

T.I.P.: A-0009CA

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
GRAHAM COUNTY

LOCATION: US 129 FROM SOUTH OF 1275 (FIVE POINTS RD) TO NC 143
& NC 143 FROM US 129 TO SR 1223 (BEECH CREEK RD)

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -
PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C.,
DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE
CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.50	ARROWS AND SHIELDS
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
910.20	SCHOOL MARKED AND UNMARKED CROSSWALKS / SPEED REDUCTION REQUIREMENTS
910.50	SIGNING FOR SPEED REDUCTION ZONE

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1,600	L.F.
4096000000	904	SIGN ERECTION, TYPE D	18	EA.
4102000000	904	SIGN ERECTION, TYPE E	61	EA.
4108000000	904	SIGN ERECTION, TYPE F	7	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)	4	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED)	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	58	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	4	EA.
4238000000	907	DISPOSAL OF SIGN, D, E OR F	4	EA.

GENERAL NOTES

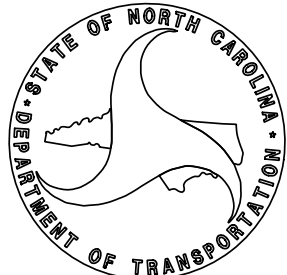
- SIGNS FURNISHED BY STATE
- CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-1A	REVISED SIGNING RSD (904.50 SHT 1 OF 2)
SIGN-1B	REVISED SIGNING RSD (910.20 SHT 1 OF 4)
SIGN-2A-2C	TYPE "D" SIGNS
SIGN-3A	TYPE "E" SIGNS
SIGN-3B	TYPE "F" SIGNS
SIGN-4-13	EXISTING AND PROPOSED SIGNING PLAN SHEETS

PLAN SUBMITTED TO:

WANDA H.AUSTIN DIVISION ENGINEER, NCDOT DIVISION 14

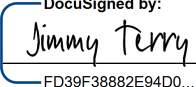


PLAN PREPARED BY: TGS ENGINEERS

JIMMY TERRY, PE PROJECT ENGINEER
SANDRA MELVIN DESIGN TECHNICIAN



TGS ENGINEERS
201 W. MARION ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

TIP NO.	SHEET NO.
A-0009CA	SIGN- 1
APPROVED:  DocuSigned by: Jimmy Terry FD39F3882E94D0	
DATE: 5/31/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

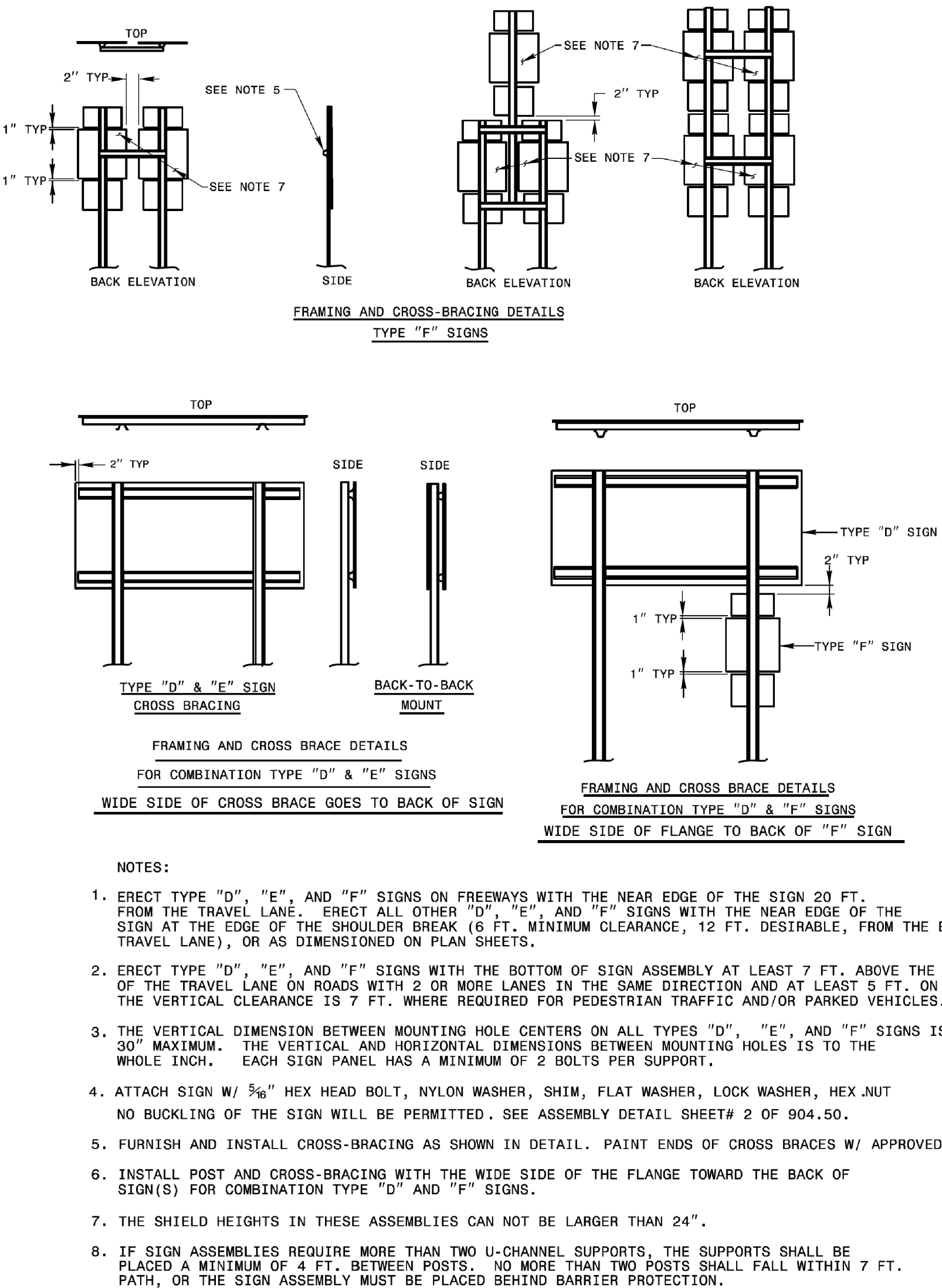
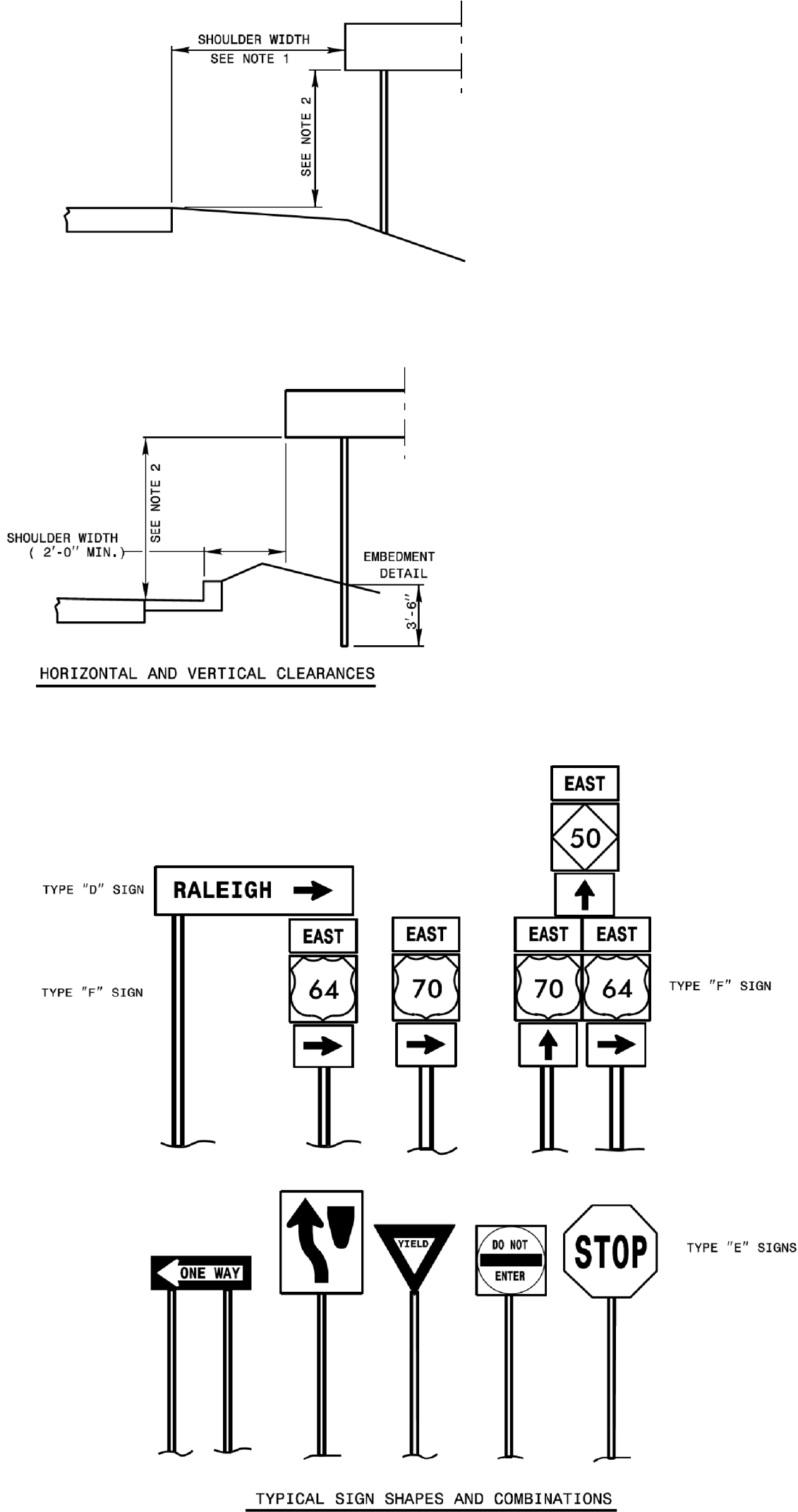
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User:stokes

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

6-21

ENGLISH DETAIL DRAWING FOR
MOUNTING OF
TYPE 'D', 'E' AND 'F' SIGNS
ON 'U' CHANNEL POSTS

SHEET 1 OF 2
904D50



STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

6-21

ENGLISH DETAIL DRAWING FOR
MOUNTING OF
TYPE 'D', 'E' AND 'F' SIGNS
ON 'U' CHANNEL POSTS

SHEET 1 OF 2
904D50

REVISED SIGNING
ROADWAY STANDARD DRAWING

TIP NO.	SHEET NO.
A-0009CA	SIGN-1A
DocuSign by:	
APPROVED: Matthew V. Springer	
DATE: 6/23/2021	
SEAL	

5/20/2022
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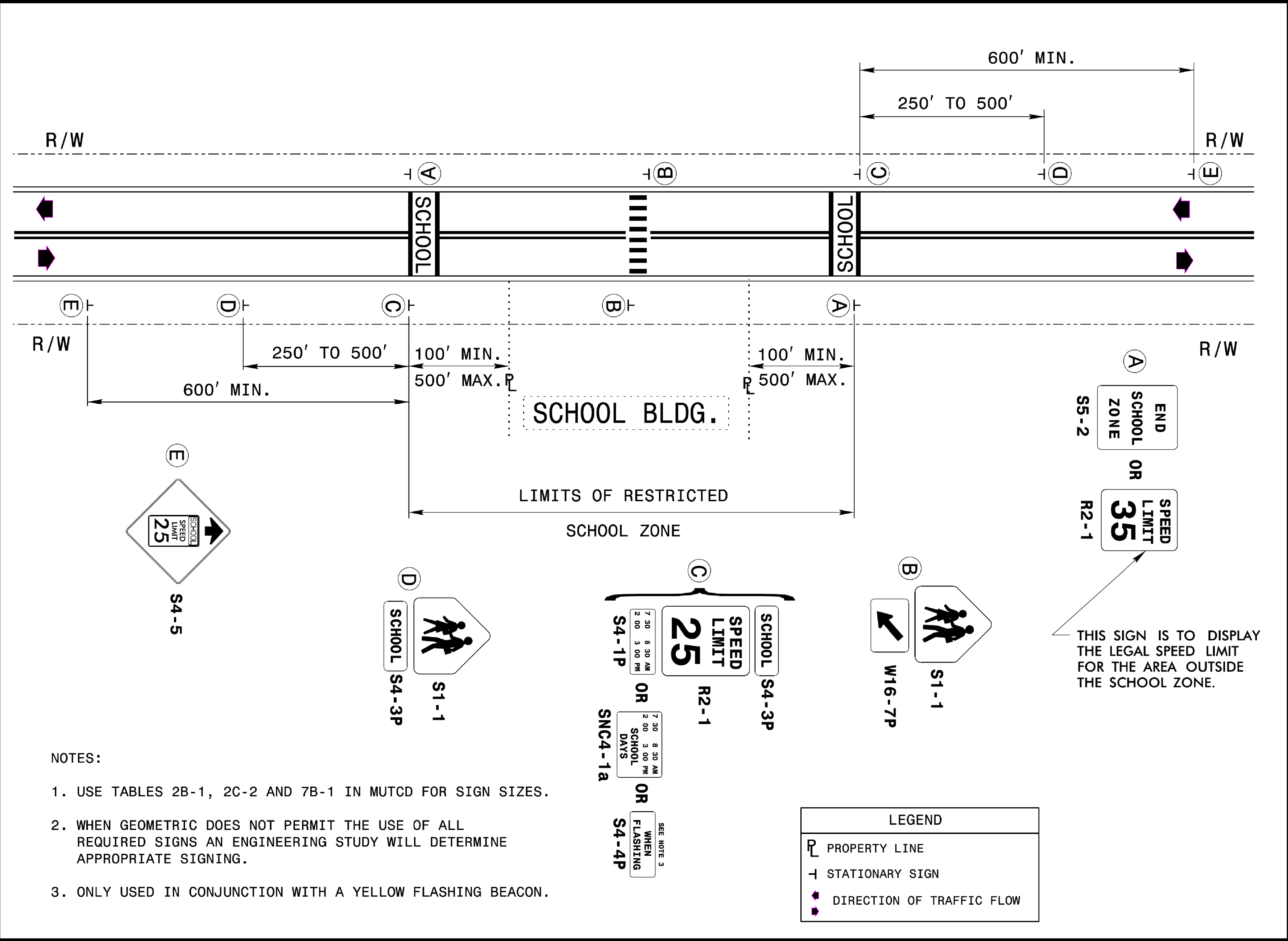
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STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

2-19

ENGLISH DETAIL DRAWING FOR
SIGNING SCHOOL ZONE WITH
MARKED CROSSWALK
WHERE SPEED REDUCTION IS REQUIRED

SHEET 1 OF 4
910D20



STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

2-19

ENGLISH DETAIL DRAWING FOR
SIGNING SCHOOL ZONE WITH
MARKED CROSSWALK
WHERE SPEED REDUCTION IS REQUIRED

SHEET 1 OF 4
910D20

REVISED SIGNING
ROADWAY STANDARD DRAWING

TIP NO. SHEET NO.

DocuSigned by:
Matthew V. Springer
3/21/2019
BC60F6E8B584403...

APPROVED: DATE:

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
SEAL
042546
MATTHEW V. SPRINGER

SIGN NUMBER:301,307
TYPE: D
QUANTITY: 1
SIGN WIDTH: 5'-6"
HEIGHT: 1'-6"
TOTAL AREA: 8.4 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.5"
RADII: 1.5"
NO. Z BARS:
LENGTH:

BACKG COLOR: Brown
COPY COLOR: White
SYMBOLX Y WID HT
AR_Type D6746
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SGM
PROJECT ID: A-0009CA
CHECKED BY:
LOCATION: GRAHAM CO - US 129
May 26, 2022
DIV: 14

USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS
Letter spacings are to start of next letter
Series/Size Text Length
C 2000 43.4
C 2000 27.9
FILENAME: A-0009CA_Sgn_SGN_Type_D
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302
TYPE: D
QUANTITY: 1
SIGN WIDTH: 5'-6"
HEIGHT: 2'-0"
TOTAL AREA: 11.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS:
LENGTH:

BACKG COLOR: Green
COPY COLOR: White
SYMBOLX Y WID HT
AR_Type D715.546
AR_Type D75446
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SGM
PROJECT ID: A-0009CA
CHECKED BY:
LOCATION: GRAHAM CO - US 129
May 26, 2022
DIV: 14

USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS
Letter spacings are to start of next letter
Series/Size Text Length
C 2000 41.1
C 2000 24.5
C 2000 23.3
FILENAME: A-0009CA_Sgn_SGN_Type_D
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303
TYPE: D
QUANTITY: 1
SIGN WIDTH: 5'-6"
HEIGHT: 1'-6"
TOTAL AREA: 8.4 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.5"
RADII: 1.5"
NO. Z BARS:
LENGTH:

BACKG COLOR: Brown
COPY COLOR: White
SYMBOLX Y WID HT
AR_Type D54746
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SGM
PROJECT ID: A-0009CA
CHECKED BY:
LOCATION: GRAHAM CO - US 129
May 26, 2022
DIV: 14

USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS
Letter spacings are to start of next letter
Series/Size Text Length
C 2000 43.4
C 2000 27.9
FILENAME: A-0009CA_Sgn_SGN_Type_D
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304
TYPE: D
QUANTITY: 1
SIGN WIDTH: 5'-6"
HEIGHT: 1'-6"
TOTAL AREA: 8.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS:
LENGTH:

BACKG COLOR: Green
COPY COLOR: White
SYMBOLX Y WID HT
AR_Type D56746
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SGM
PROJECT ID: A-0009CA
CHECKED BY:
LOCATION: GRAHAM CO - US 129
May 26, 2022
DIV: 14

USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS
Letter spacings are to start of next letter
Series/Size Text Length
C 2000 34.2
C 2000 23.3
FILENAME: A-0009CA_Sgn_SGN_Type_D
NORTH CAROLINA D.O.T. SIGN DETAIL

TIP NO.
A-0009CA

SHEET NO.
SIGN-2A

APPROVED: Jimmy Terry
FD39F388E2E94D0...

DATE: 5/31/2022

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
SEAL
35018
JIMMY L. TERRY

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
201 W. MARION ST. STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

TYPE "D" SIGNS

[illegible]

SIGN NUMBER: 309	BACKG COLOR: Green	NOVEN BY: SGM
TYPE: D	COPY COLOR: White	CHECKED BY:
QUANTITY: 1		PROJECT ID: A-0009CA LOCATION: GRAHAM CO - NC 143
SIGN WIDTH: 8'-0"		Nov 29, 2021
HEIGHT: 2'-6"		DIV: 14
TOTAL AREA: 20.0 Sq.Ft.		
BORDER TYPE: FLUSH		
RECESS: 0"		
WIDTH: 0.75"		
RADII: 2.25"		
NO. Z BARS:		
LENGTH:		

SYMBOL	X	Y	WID	HT
AR_Type D	81	12	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter																		Series/Size
																		Text Length
	C	h	e	r	o	h	a	i	a	6	S	k	y	w	a	y	8.7	D 2000 71.3
6	5.3	4.4	4.4	2.8	4.6	4.4	4.6	1.9	3.4	6	5	4.1	4.7	7.2	4.1	4.5	8.7	D 2000 29.8
	1	2		M	i	i	e	s										
33.1	2.8	4.1	6	6	2.2	1.9	4	2.8	33.1									

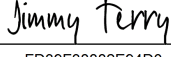
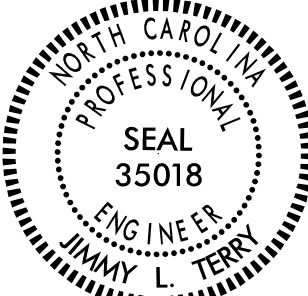
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NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE "D" SIGNS

[illegible][illegible]

TYPE "D" SIGNS

TIP NO. A-0009CA		SHEET NO. SIGN-2D
DocuSigned by:  F038F388BCE549D0		
APPROVED:	5/31/2022	
DATE: _____		
SEAL 		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
	TGS ENGINEERS 201 W. MARION ST., STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

TYPE "D" SIGNS

```
$SYTIME$DGN$
```

[illegible]

TIP NO.
A-0009CA

SHEET NO.
SIGN-4

APPROVED:

DocuSigned by:
Jimmy Terry
F3D9F38882E94D0...

DATE: 5/31/2022

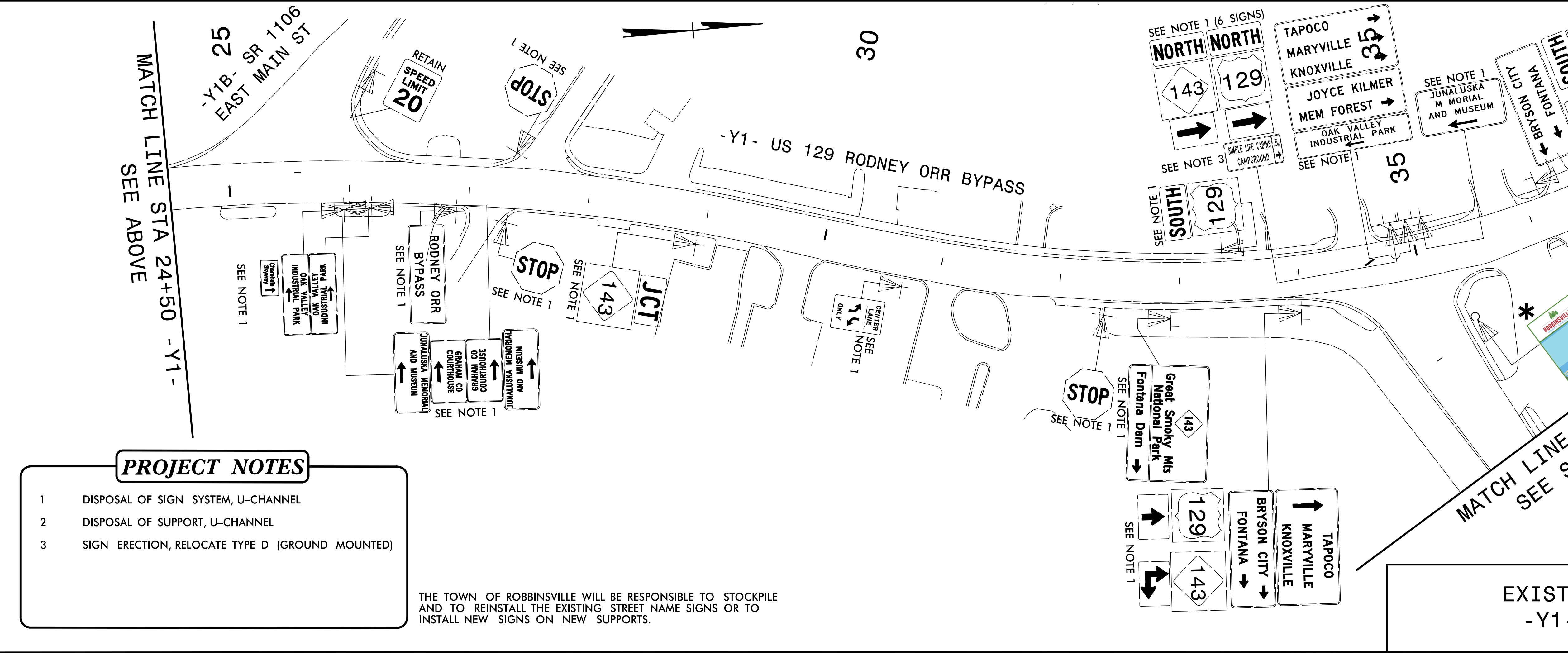
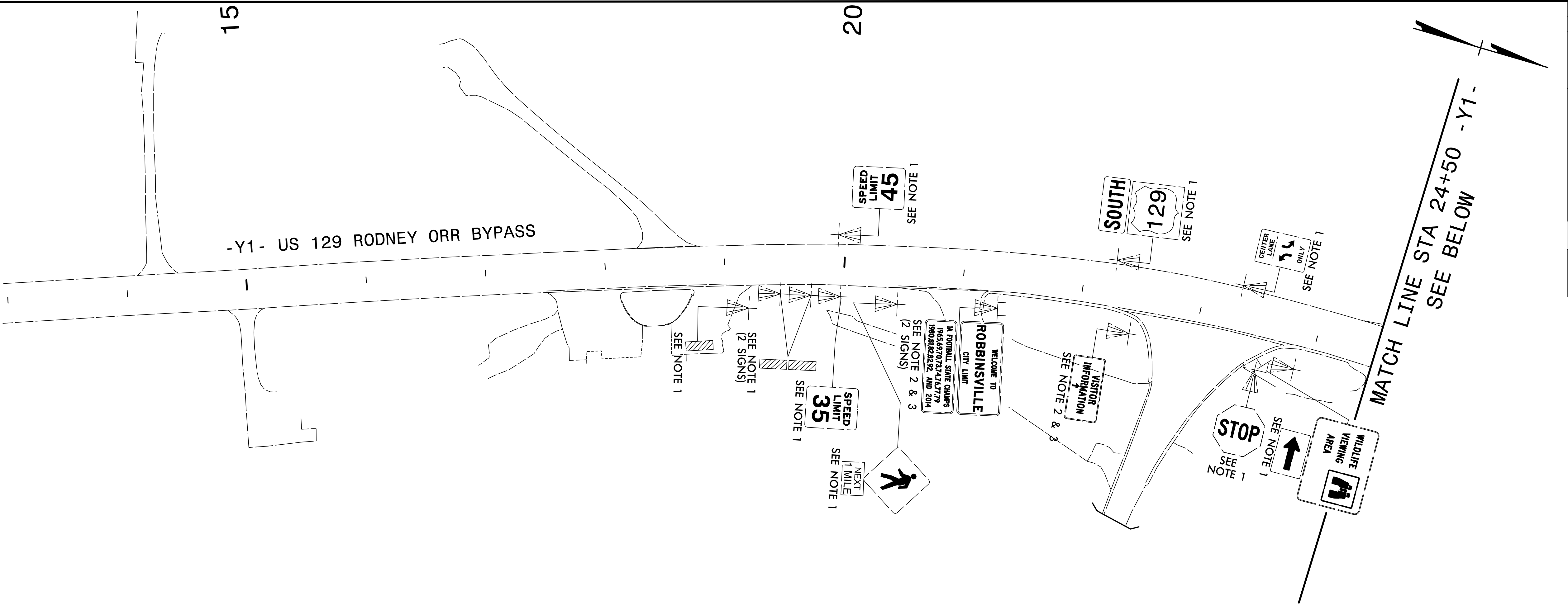
SEAL

NORTH CAROLINA
PROFESSIONAL
ENGINEER
SEAL
35018
JIMMY L. TERRY

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
201 W. MARION ST., STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

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201 W. MARION ST., STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275



- PROJECT NOTES
- 1

DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2

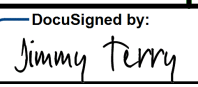
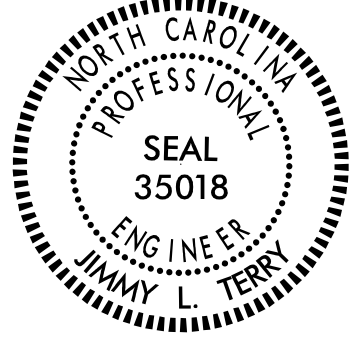
DISPOSAL OF SUPPORT, U-CHANNEL
- 3

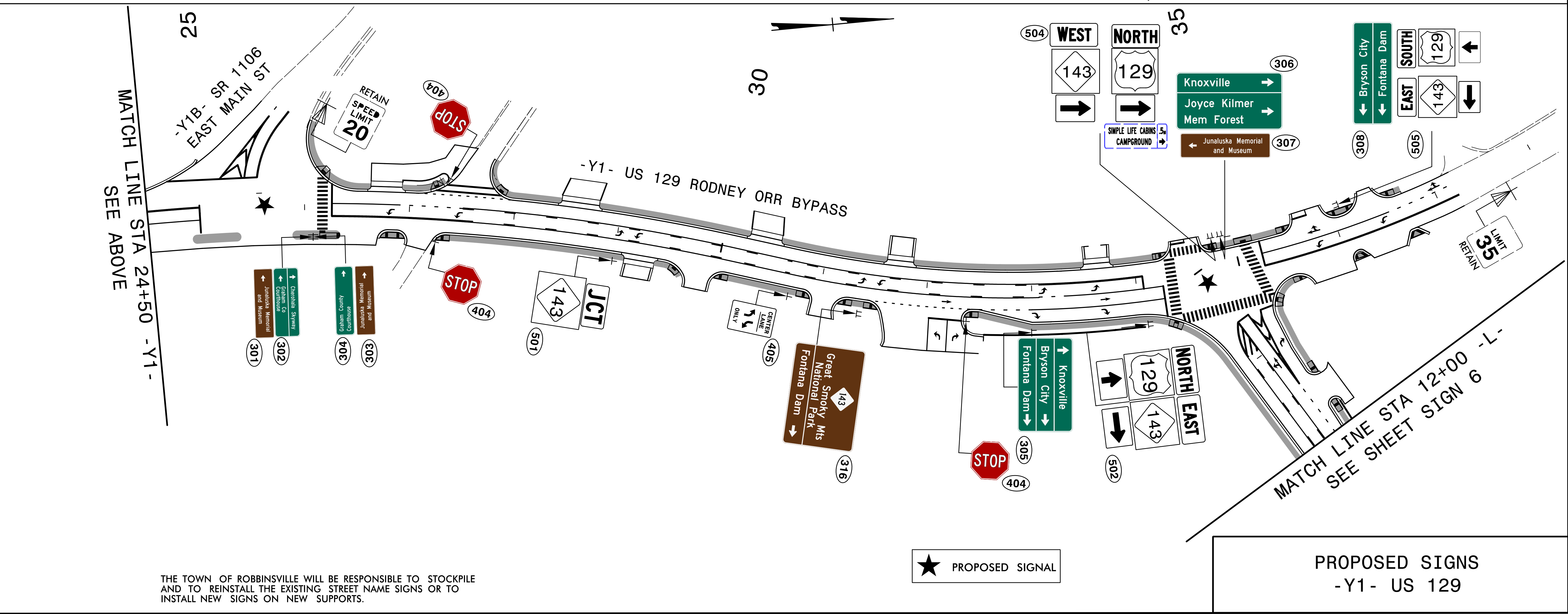
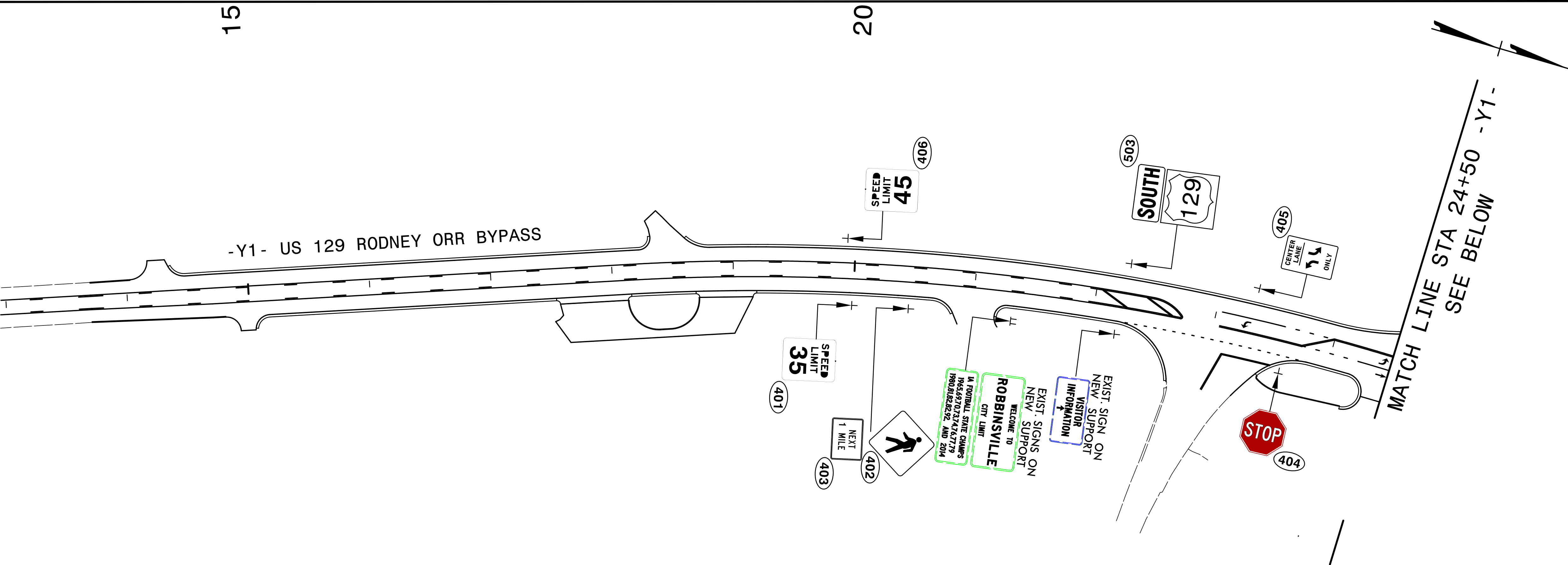
SIGN ERECTION, RELOCATE TYPE D (GROUND MOUNTED)

THE TOWN OF ROBBINSVILLE WILL BE RESPONSIBLE TO STOCKPILE AND TO REINSTALL THE EXISTING STREET NAME SIGNS OR TO INSTALL NEW SIGNS ON NEW SUPPORTS.

EXISTING SIGNS
-Y1- US 129

* TOWN OF ROBBINSVILLE WAYFINDING SIGN AND ORNAMENTAL POST TO BE REMOVED, STOCKPILED, AND REINSTALLED BY TOWN.

TIP NO. A-0009CA	SHEET NO. SIGN-5
APPROVED:  DocuSigned by Jimmy Terry F03BF3882E54D0...	
DATE: 5/31/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 201 W. MARION ST., STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

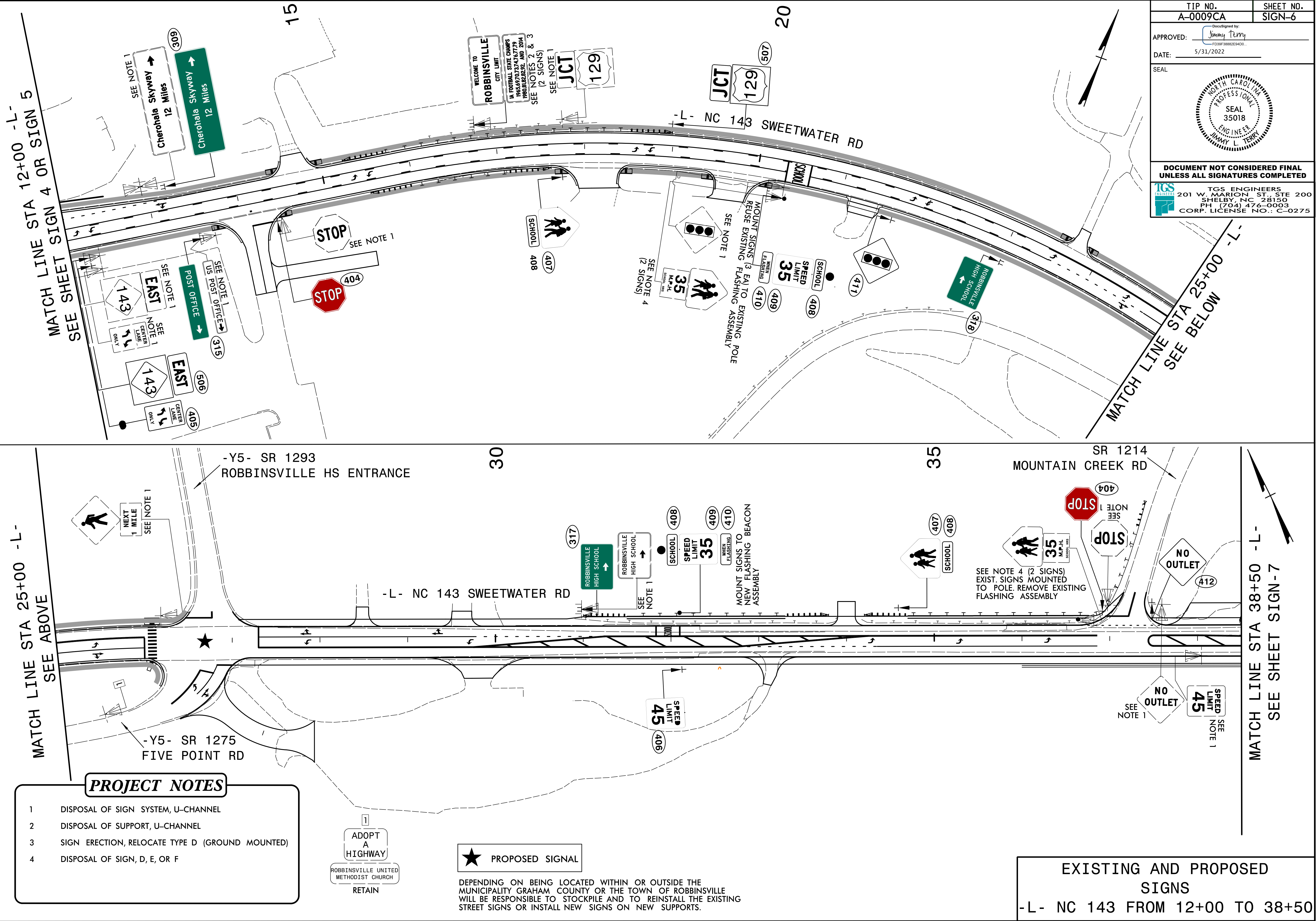


THE TOWN OF ROBBINSVILLE WILL BE RESPONSIBLE TO STOCKPILE AND TO REINSTALL THE EXISTING STREET NAME SIGNS OR TO INSTALL NEW SIGNS ON NEW SUPPORTS.

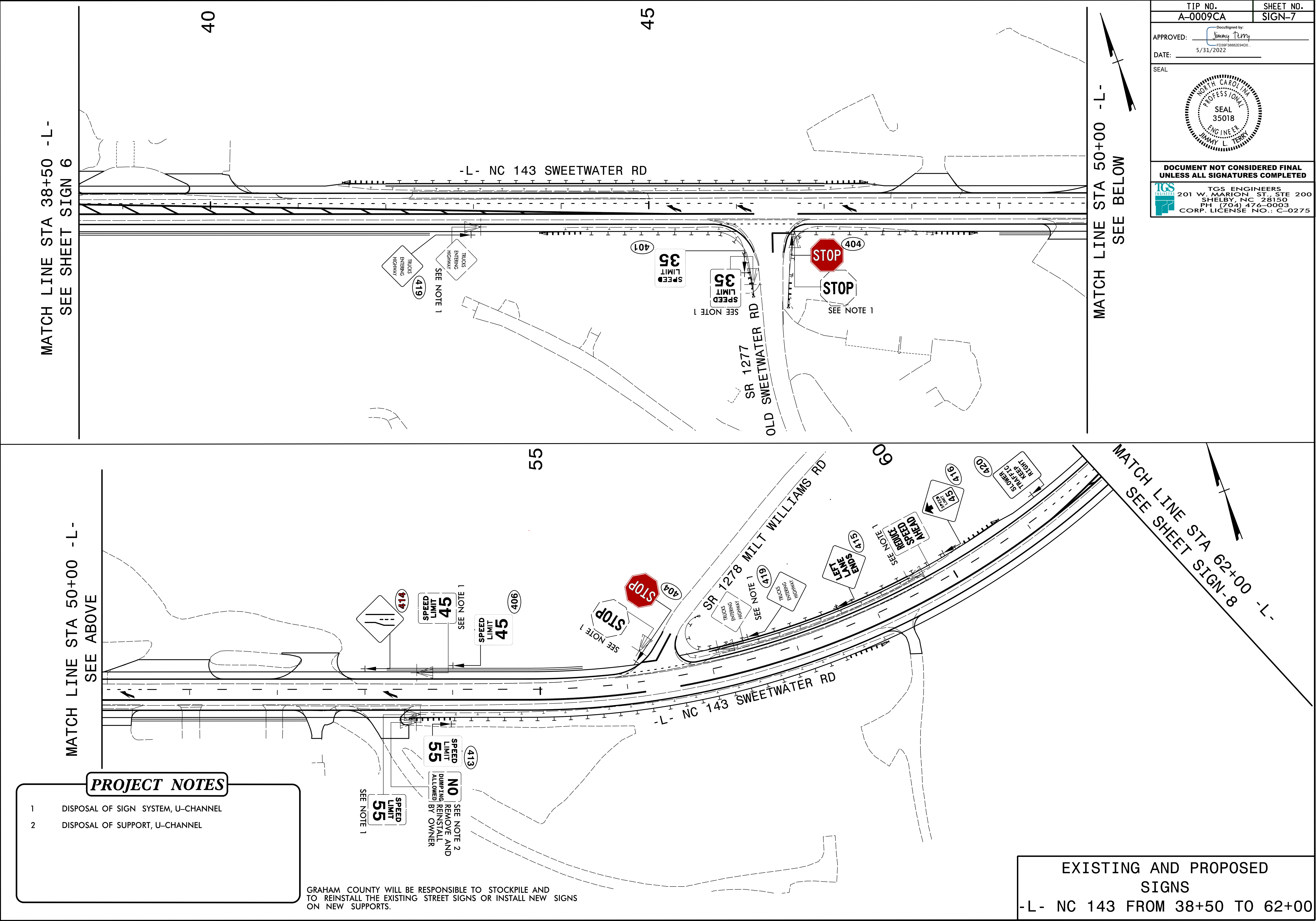
PROPOSED SIGNS
-Y1- US 129

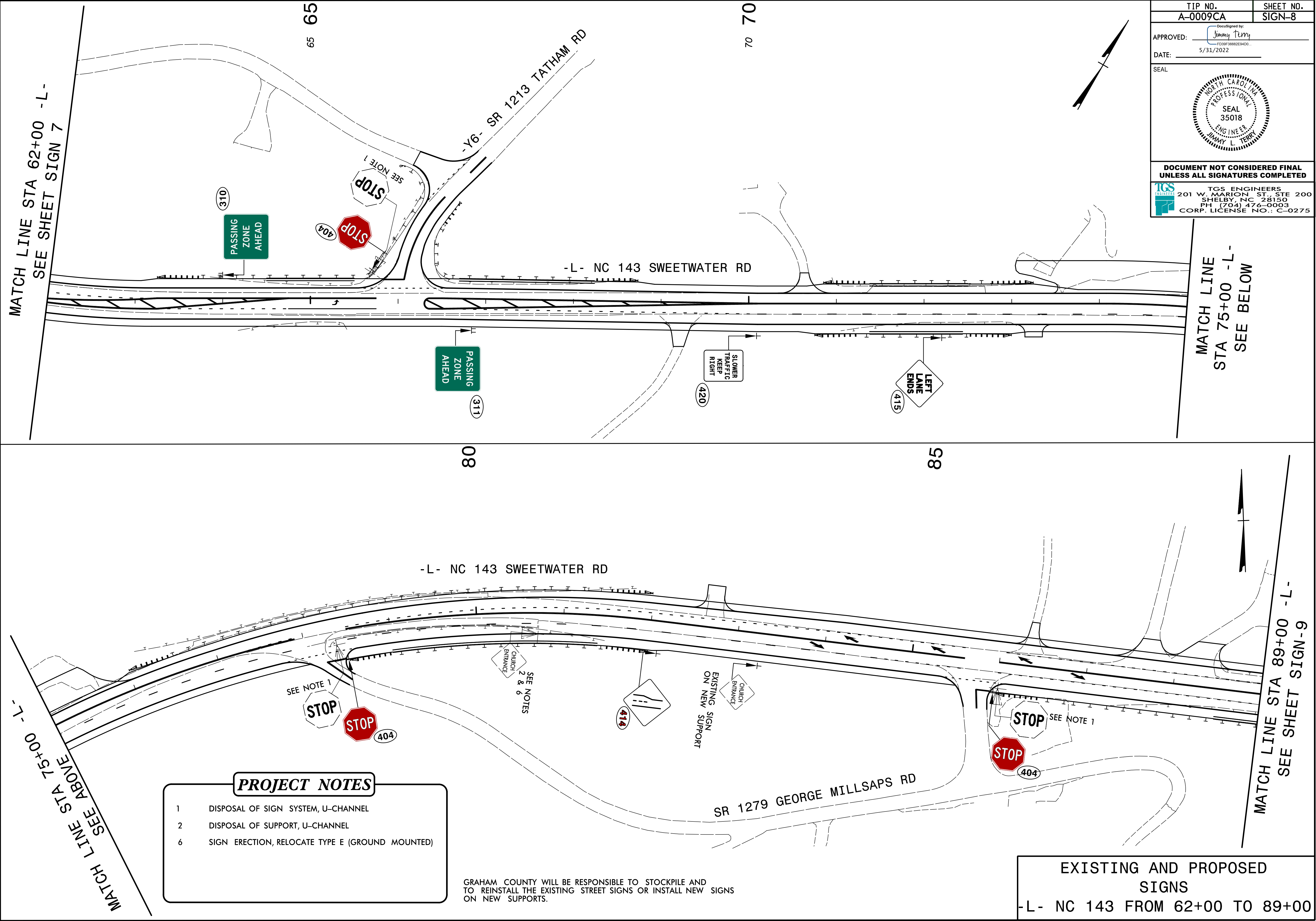
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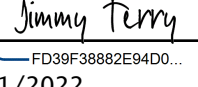
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User:smelvin



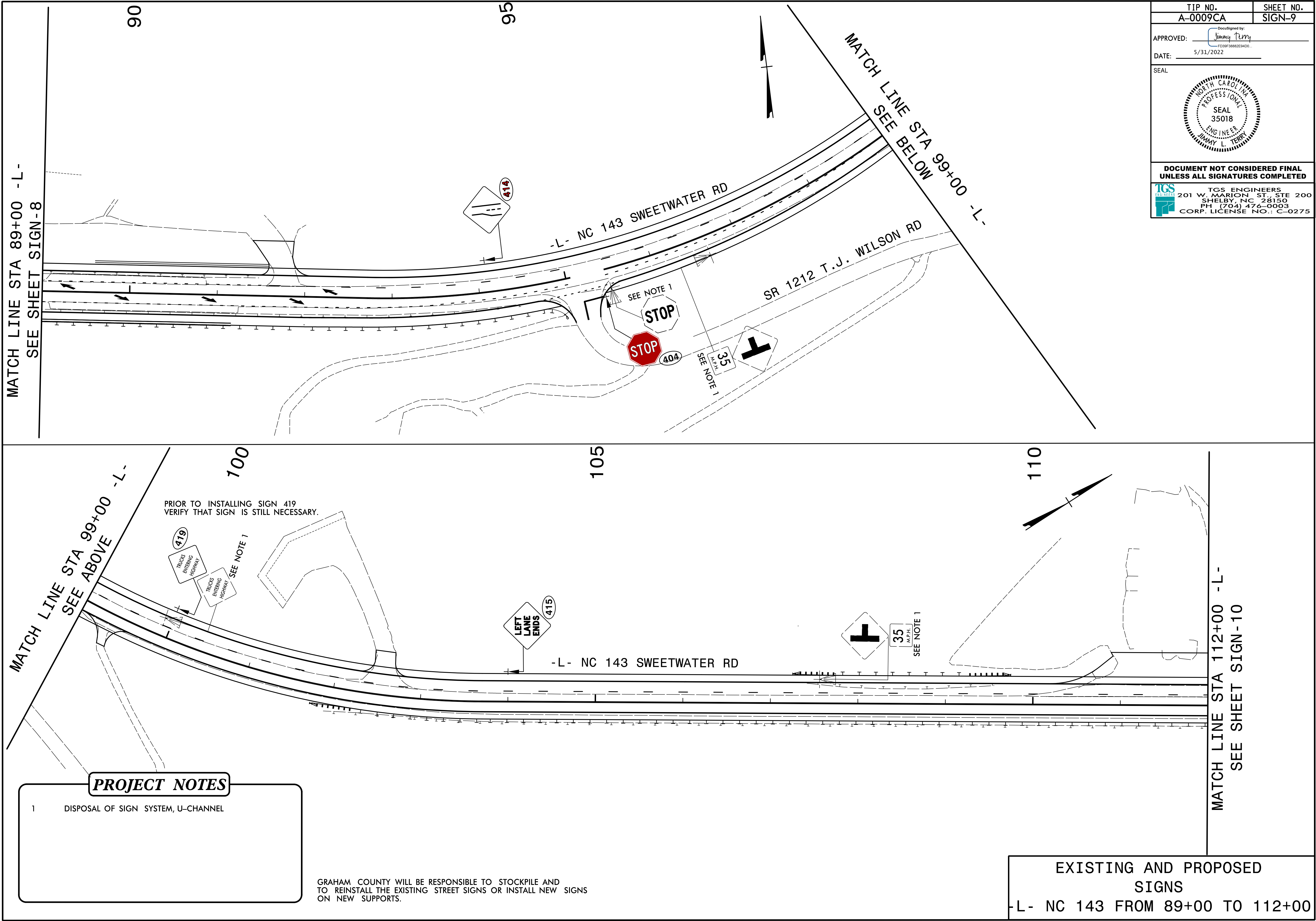
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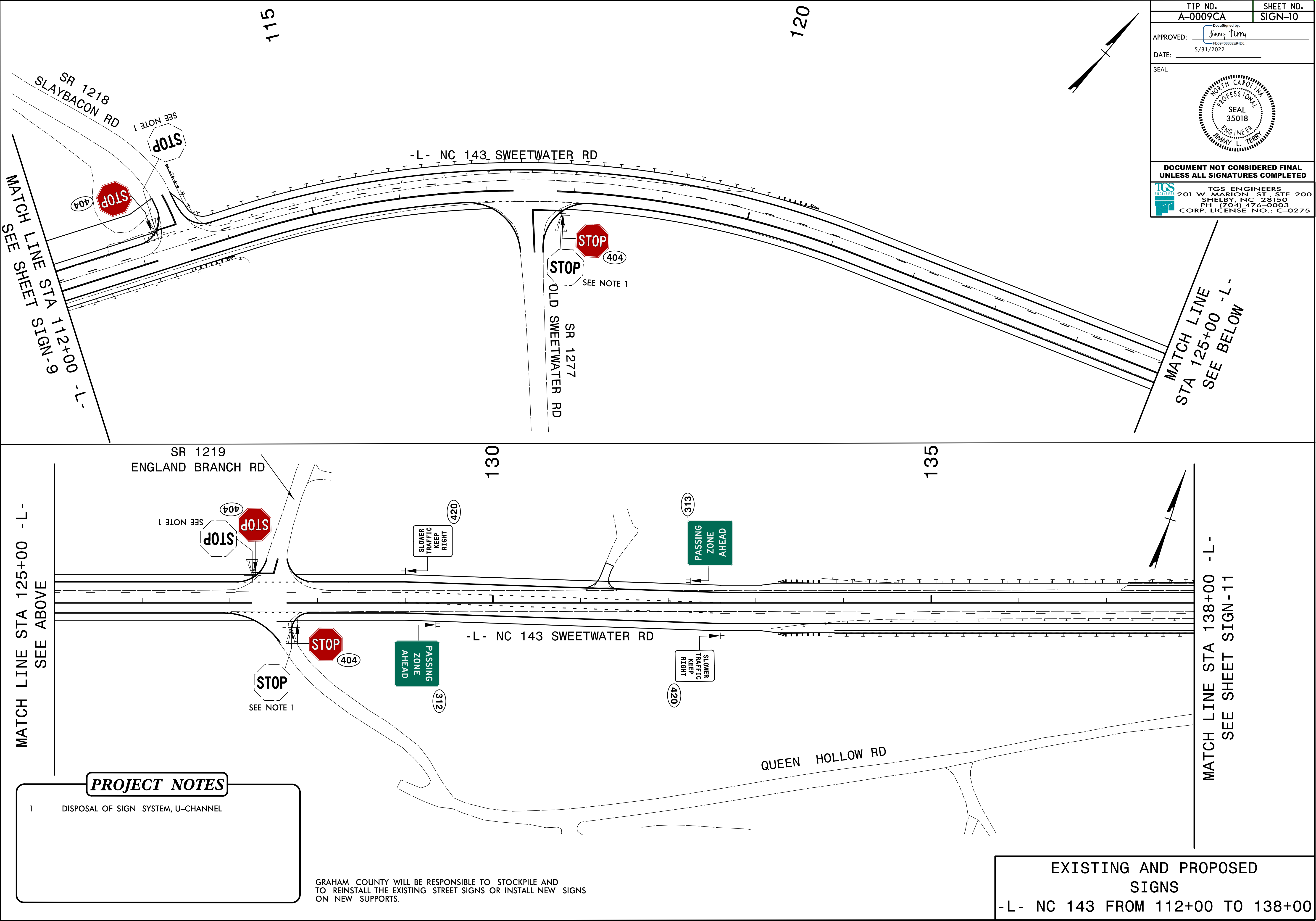




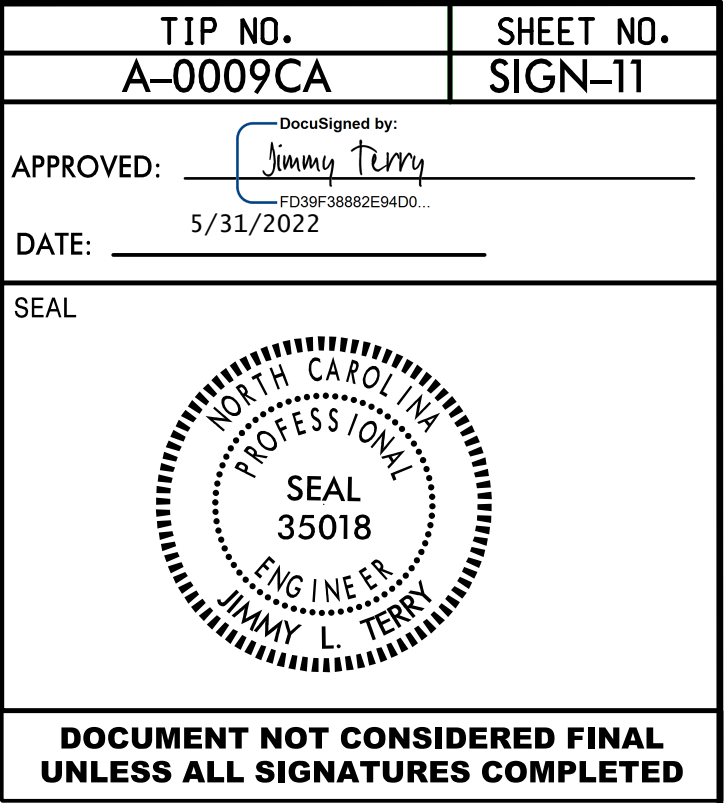
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DATE: 5/31/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 201 W. MARION ST., STE 200 SHELBY, NC 28150 PH: (704) 476-0003 CORP. LICENSE NO.: C-0275	

5/26/2022
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Users\melvin

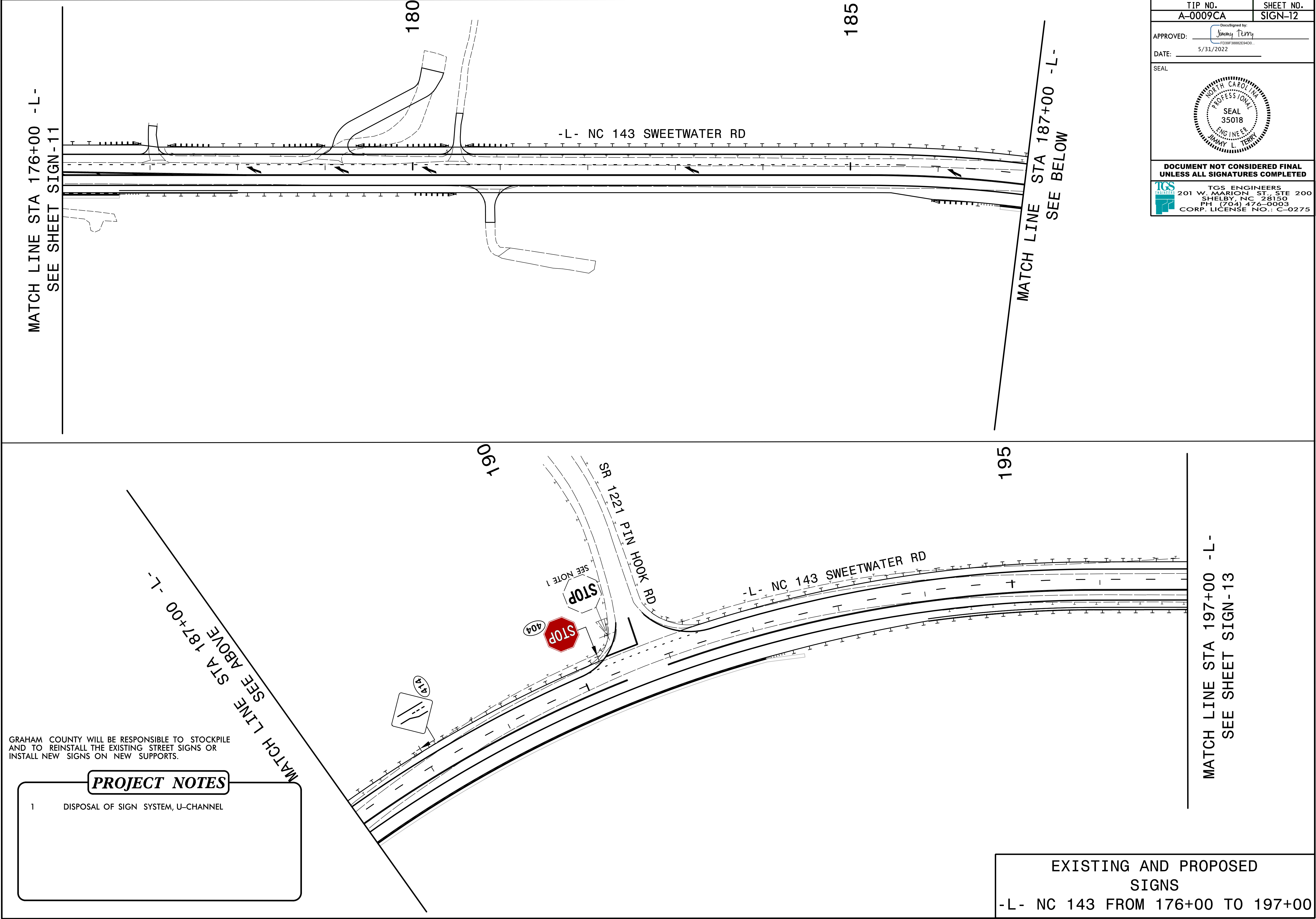




5/26/2022
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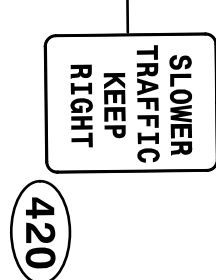
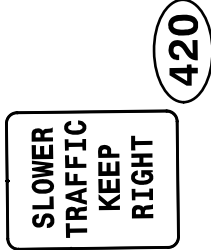
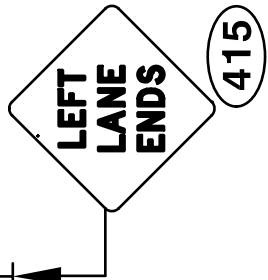


5/20/2022
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User:smelvin



5/20/2022
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User:smelvin

MATCH LINE STA 197+00 -L-
SEE SHEET SIGN-12



SEE NOTE 1

-L- NC 143 SWEETWATER RD

-L- STA 208+00 END
SECTION A-0009CA

BEGIN SECTION
A-0009CB

PROJECT NOTES

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL

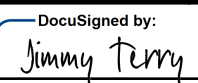
GRAHAM COUNTY WILL BE RESPONSIBLE TO STOCKPILE AND
TO REINSTALL THE EXISTING STREET SIGNS OR INSTALL NEW SIGNS
ON NEW SUPPORTS.

EXISTING AND PROPOSED
SIGNS

-L- NC 143 FROM 197+00 TO 208+00

TIP NO.
A-0009CA

SHEET NO.
SIGN-13

APPROVED: 
DATE: 5/31/2022

SEAL



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
201 W. MARION ST., STE 200
SHELBY, NC 28150
PH: (704) 476-0003
CORP. LICENSE NO.: C-0275