

T.I.P.: R-5600

CONTRACT:

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
JACKSON COUNTY

LOCATION: SYLVA – N.C.107 FROM WEST OF U.S.23 BUSINESS (ASHEVILLE
HIGHWAY) TO SOUTH OF N.C.116 (WEBSTER ROAD) AND U.S.23
BUS.FROM SKYLAND DRIVE TO WEST OF MUNICIPAL DRIVE

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -
N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C.,DATED JANUARY 2024
ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED
A PART OF THESE PLANS:

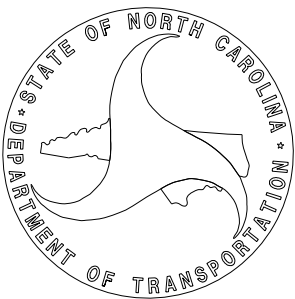
STD. NO.	TITLE
901.50	ARROWS AND SHIELDS
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS (SHEET 2 OF 2)
910.20	SCHOOL MARKED AND UNMARKED CROSSWALKS / SPEED REDUCTION REQUIREMENTS
910.30	SIGNING SIGNALIZED AND UNSIGNALIZED SUPERSTREET

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN	232	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	1653	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN	417	S.F.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	5005	L.F.
4096000000	904	SIGN ERECTION, TYPE D	16	EA.
4102000000	904	SIGN ERECTION, TYPE E	256	EA.
4108000000	904	SIGN ERECTION, TYPE F	35	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	120	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	6	EA.
4238000000	907	DISPOSAL OF SIGN, D, E OR F	1	EA.
4370000000	SP	GENERIC SIGNING ITEM-DISPOSAL OF FLASHER SYSTEM (144+00 -L-, LT)	1	LS
4370000000	SP	GENERIC SIGNING ITEM-DISPOSAL SIGN SYSTEM ON SPAN WIRE(23+50 -L-)	1	EA.

PLAN REVIEWED BY: N.C.D.O.T.HIGHWAYS DIVIDION #14

STEVEN BUCHANAN DIVISION TRAFFIC ENGINEER



GENERAL NOTES

- . 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.

PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. RELOCATE SIGN, TYPE E
3. RELOCATE SIGN BY OTHERS
4. DISPOSAL OF SIGN D, E, OR F
5. DISPOSAL OF SIGN SYSTEM ON SPAN WIRE
6. RELOCATE SIGN, TYPE D
7. DISPOSAL OF FLASHER SYSTEM (SEE SP)

INDEX

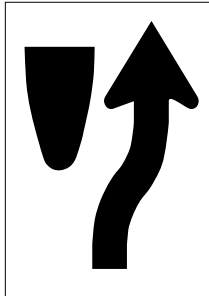
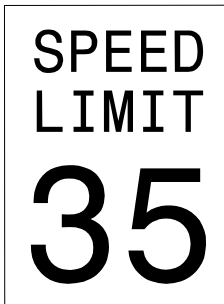
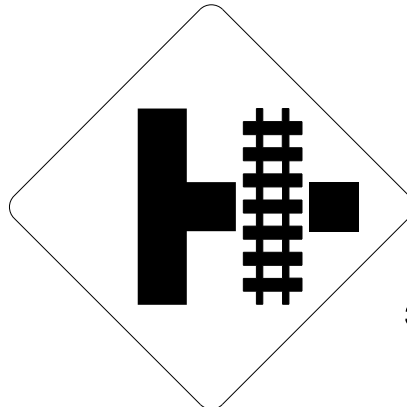
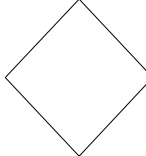
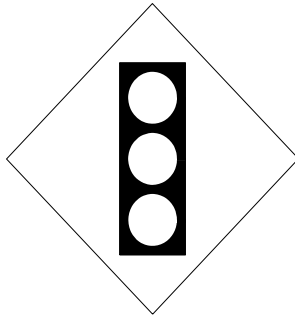
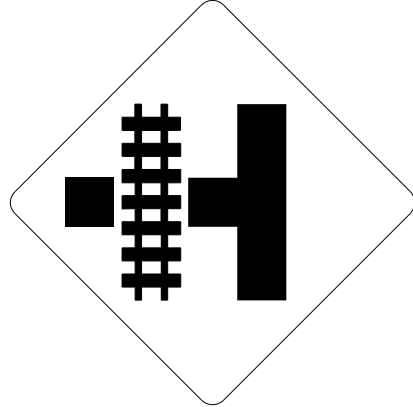
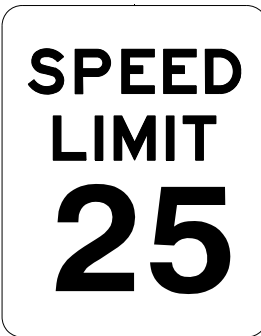
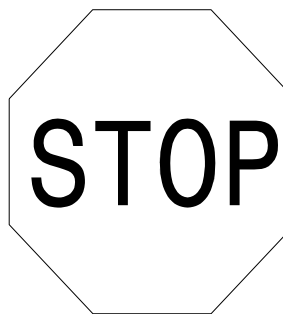
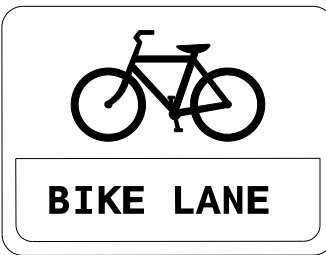
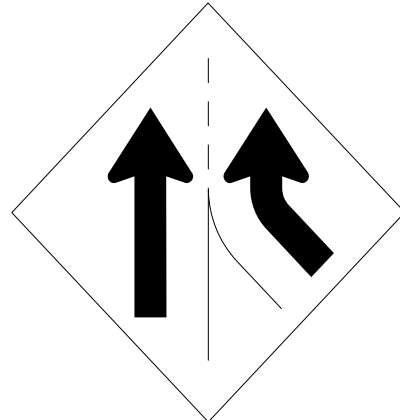
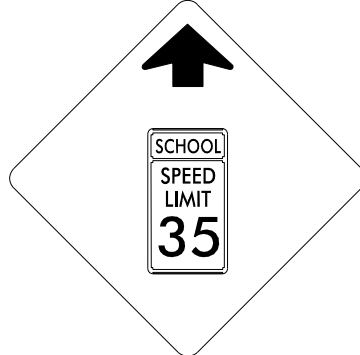
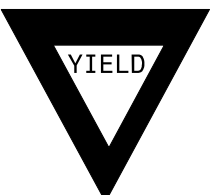
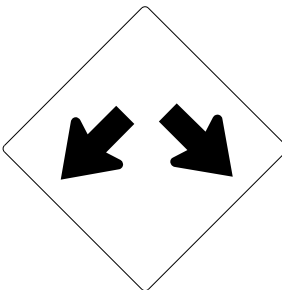
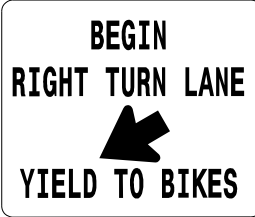
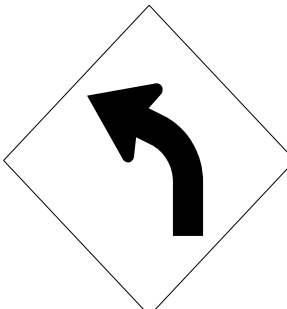
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SIGN-1	TITLE SHEET
SIGN-2 & 2A	E SHEETS
SIGN-3	F SHEET
SIGN-4-4C	SIGN DESIGNS
SIGN-5-17	SIGN DETAIL SHEETS

PLAN PREPARED BY:

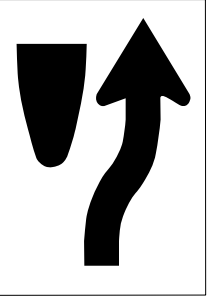
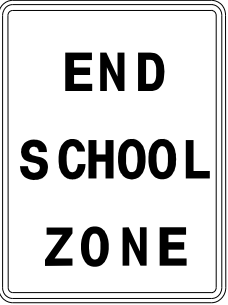
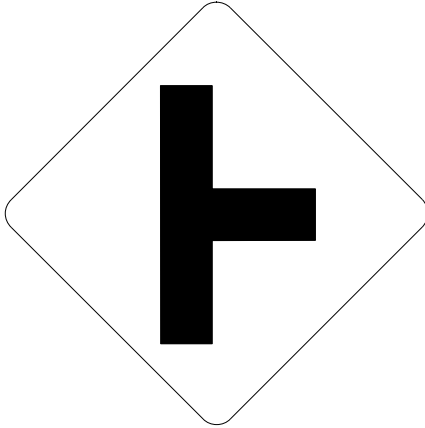
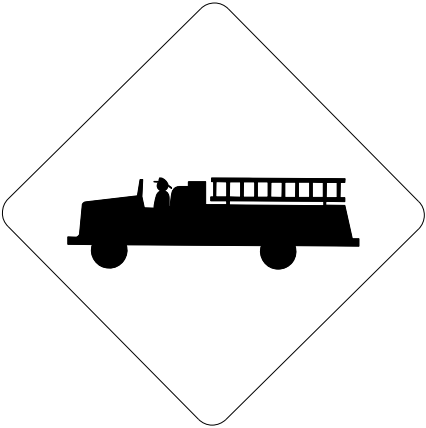
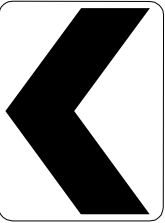
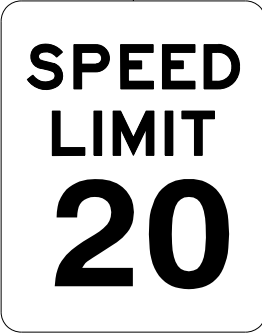
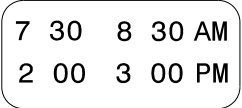
MIKE RZEPKA, PE PROJECT ENGINEER
RICHARD DRAYTON PROJECT DESIGN ENGINEER

TIP NO.	SHEET NO.
R-5600	SIGN-1
APPROVED: <u>Michael T. Rzepka</u>	
DATE: <u>10/14/2025</u>	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

TIP NO. R-5600		SHEET NO. SIGN-2	
APPROVED: <i>Michael T. Rzyzka</i>			
DATE: 10/14/2025			
SEAL 			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116			

401 QUANTITY REQ'D 2  18 X 12 W16-1P MOUNT BELOW SIGN 401 IN 2 INSTALLATIONS	406 QUANTITY REQ'D 3  36 X 36 R3-7 ONE "U" POST PER SIGN	411 QUANTITY REQ'D 20  42 X 30 R5-1a ONE "U" POST PER SIGN	416 QUANTITY REQ'D 21  24 X 30 R4-7 ONE "U" POST PER SIGN	421 QUANTITY REQ'D 1  36 X 36 R3-4 ONE "U" POST	426 QUANTITY REQ'D 9  30 X 36 R2-1 ONE "U" POST PER SIGN	
402 QUANTITY REQ'D 2  30 X 30 W11-1 ONE "U" POST PER SIGN	407 QUANTITY REQ'D 1  36 X 36 W10-3 ONE "U" POST	412 QUANTITY REQ'D 1  36 X 36 W3-5 ONE "U" POST	417 QUANTITY REQ'D 22  18 X 18 OM1-3 MOUNT BELOW SIGN 416 IN 21 INSTALLATIONS MOUNT BELOW SIGN 440 IN 1 INSTALLATION ONE "U" POST PER SIGN	422 QUANTITY REQ'D 2  30 X 30 W3-3 ONE "U" POST PER SIGN	427 QUANTITY REQ'D 3  36 X 36 W14-2 ONE "U" POST PER SIGN	
403 QUANTITY REQ'D 1  36 X 36 W10-3 ONE "U" POST	408 QUANTITY REQ'D 2  30 X 36 R2-1 ONE "U" POST PER SIGN	413 QUANTITY REQ'D 22  48 X 18 R6-1 (L) TWO "U" POSTS PER SIGN	418 QUANTITY REQ'D 3  36 X 36 R1-5(L) ONE "U" POST PER SIGN	423 QUANTITY REQ'D 1  18 X 18 W13-1P MOUNT BELOW SIGN 422 IN 1 INSTALLATION ONE "U" POST PER SIGN	431 QUANTITY REQ'D 1  18 X 18 W13-1P MOUNT BELOW SIGN 434 IN 1 INSTALLATION MOUNT BELOW SIGN 431 IN 1 INSTALLATION ONE "U" POST PER SIGN	
404 QUANTITY REQ'D 20  36 X 36 R1-1 ONE "U" POST PER SIGN	409 QUANTITY REQ'D 3  24 X 18 R3-17 ONE "U" POST PER SIGN	414 QUANTITY REQ'D 27  48 X 18 R6-1 (R) MOUNT ABOVE SIGN 404 IN 11 INSTALLATIONS TWO "U" POSTS PER SIGN	419 QUANTITY REQ'D 3  36 X 36 R1-5(R) ONE "U" POST PER SIGN	424 QUANTITY REQ'D 1  36 X 36 W4-3(R) ONE "U" POST	429 QUANTITY REQ'D 1  12 X 9 M6-1P MOUNT BELOW SIGN 428 IN 1 INSTALLATION ONE "U" POST PER SIGN	
405 QUANTITY REQ'D 1  36 X 36 S4-5 YELLOW/GREEN REFLECTIVE SHEETING ONE "U" POST PER SIGN	410 QUANTITY REQ'D 3  24 X 9 R3-17a MOUNT BELOW SIGN 409 IN 2 INSTALLATIONS MOUNT BELOW SIGN 435 IN 1 INSTALLATION ONE "U" POST PER SIGN	415 QUANTITY REQ'D 2  48 X 48 X 48 R1-2 TWO "U" POST PER SIGN	420 QUANTITY REQ'D 20  36 X 36 R5-1 ONE "U" POST PER SIGN	425 QUANTITY REQ'D 1  24 X 9 R3-17b MOUNT BELOW SIGN 409 IN 1 INSTALLATION ONE "U" POST PER SIGN	430 QUANTITY REQ'D 3  36 X 36 W12-1 ONE "U" POST PER SIGN	
433 QUANTITY REQ'D 4  36 X 30 R4-4 ONE "U" POST PER SIGN						434 QUANTITY REQ'D 1  36 X 36 W1-2L ONE "U" POST

TYPE "E" SIGNS	
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435 QUANTITY REQ'D 2  36 X 36 S1-1 YELLOW/GREEN REFLECTIVE SHEETING	440 QUANTITY REQ'D 1  18 X 30 R4-7c ONE "U" POST	445 QUANTITY REQ'D 1  21 X 15 M6-2P (BLUE) MOUNT BELOW SIGN 315 IN 1 INSTALLATION	451 QUANTITY REQ'D 7  36 X 36 R3-4 MOUNT BELOW SIGN 449 IN X INSTALLATIONS		TIP NO. R-5600 SHEET NO. SIGN-2A APPROVED: <i>Michael T. Rzepka</i> DATE: 10/14/2025 SEAL  DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116
436 QUANTITY REQ'D 2  24 X 30 S5-2 ONE "U" POST PER SIGN	441 QUANTITY REQ'D 3  24 X 8 S4-3 MOUNT ABOVE SIGN 426 IN 2 INSTALLATIONS MOUNT BELOW SIGN 435 IN 1 INSTALLATION	447 QUANTITY REQ'D 1  36 X 36 W3-5 ONE "U" POST			
437 QUANTITY REQ'D 2  12 X 9 M6-2P MOUNT BELOW SIGN 428 IN 2 INSTALLATIONS	442 QUANTITY REQ'D 4  30 X 30 W2-2R ONE "U" POST PER SIGN	448 QUANTITY REQ'D 1  24 X 12 D9-13aP ONE "U" POST			
438 QUANTITY REQ'D 1  36 X 36 W11-8 ONE "U" POST	443 QUANTITY REQ'D 3  18 X 24 W1-8L ONE "U" POST PER SIGN	449 QUANTITY REQ'D 1  36 X 36 W3-5 ONE "U" POST			
439 QUANTITY REQ'D 2  30 X 36 R2-1 ONE "U" POST PER SIGN	444 QUANTITY REQ'D 2  24 X 10 S4-1P MOUNT BELOW SIGN 426 IN 2 INSTALLATIONS	450 QUANTITY REQ'D 7  36 X 36 W11-10 ONE "U" POST PER SIGN			TYPE "E" SIGNS

TYPE "F" SIGNS

TIP NO. R-5600	SHEET NO. SIGN-4A
APPROVED: <i>Michael T. Rzepka</i>	
DATE: 10/14/2025	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SIGN NUMBER: 305
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 6'-0"
 HEIGHT: 3'-6"
 TOTAL AREA: 21.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"
 NO. Z BARS:
 LENGTH:

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	7.8	30.3	6	9
AR_Type D	55.2	10.2	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

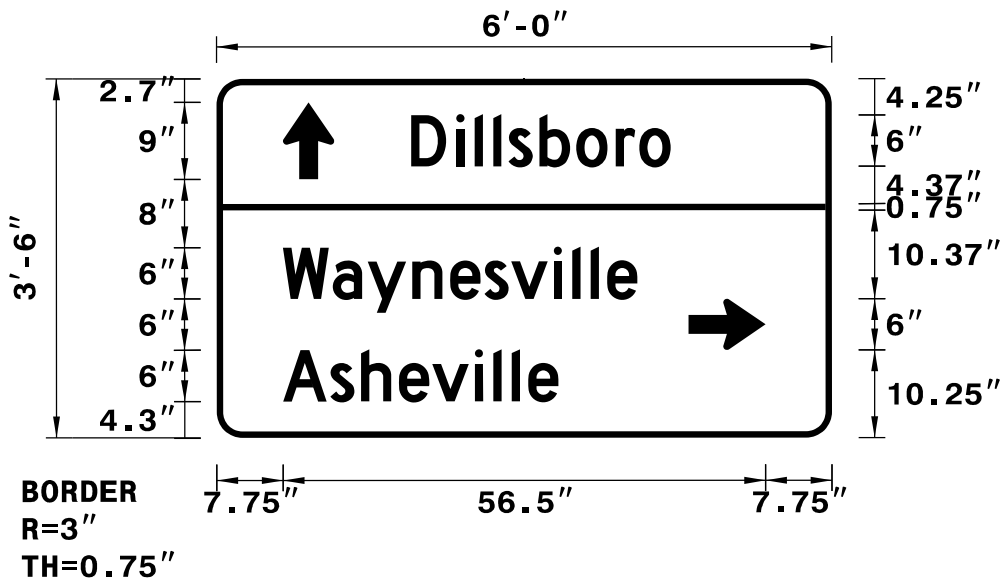
USE NOTES: 1,2

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.

DESIGN BY: R DRAYTON
PROJECT ID: R-5600

CHECKED BY:M RZEPKA

Sep 26, 2024
DIV: 14



Spacing Factor is 1 unless specified otherwise

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FILENAME: Guidsign_English_8-2-13

NORTH CAROLINA D.O.T. SIGN DETAIL

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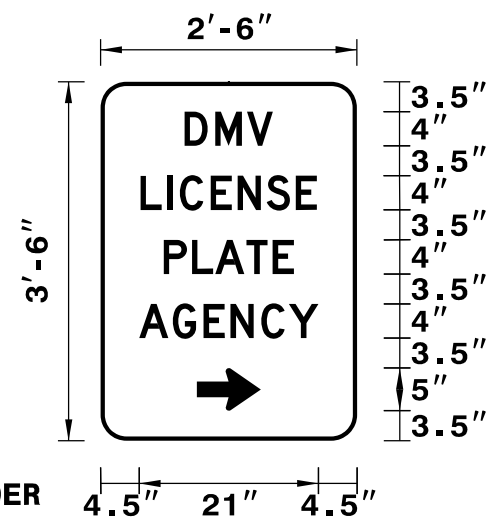
USE NOTES: 1,2

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.

DESIGN BY: R DRAYTON
 PROJECT ID: R-5600

CHECKED BY:M RZEPKA

Feb 27, 2025
 DIV: 14



Spacing Factor is 1 unless specified otherwise

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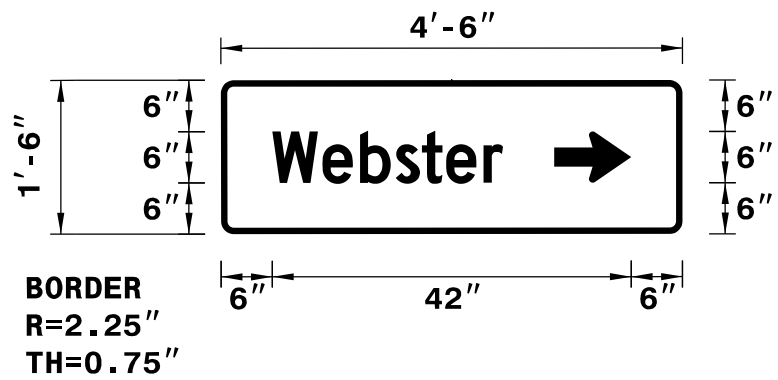
NORTH CAROLINA D.O.T. SIGN DETAIL

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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.

DESIGN BY: R DRAYTON CHECKED BY:M RZEPKA Sep 11, 2024
PROJECT ID: R-5600 DIV: 14



Spacing Factor is 1 unless specified otherwise

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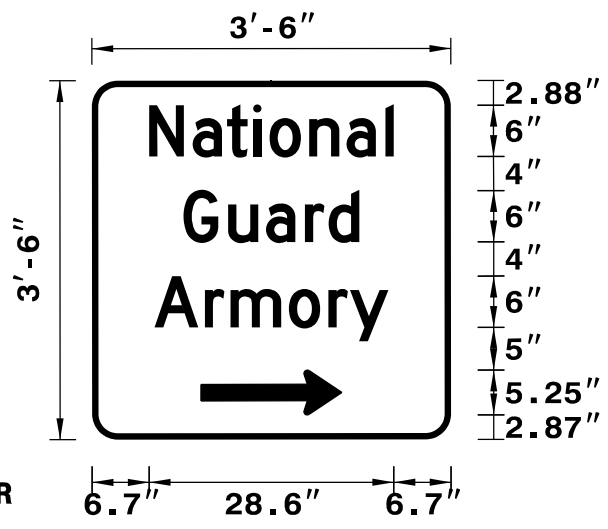
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NORTH CAROLINA D.O.T. SIGN DETAIL

[illegible]

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.

[illegible]

Spacing Factor is 1 unless specified otherwise

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FILENAME: Guidsign_English_8-2-13

NORTH CAROLINA D.O.T. SIGN DETAIL

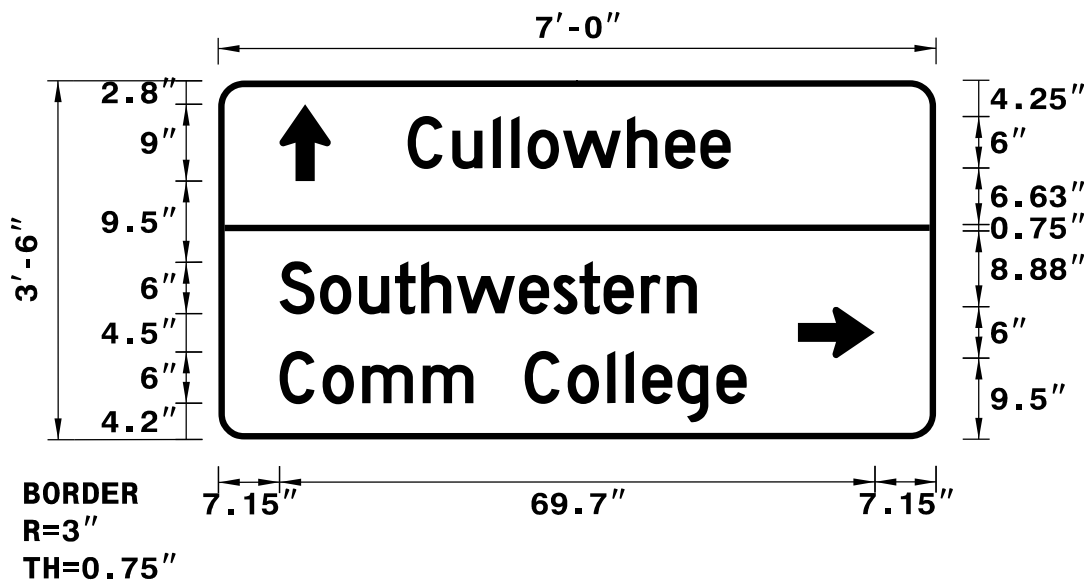
SIGN DESIGNS

DATE: 10/14/2025

SEAL



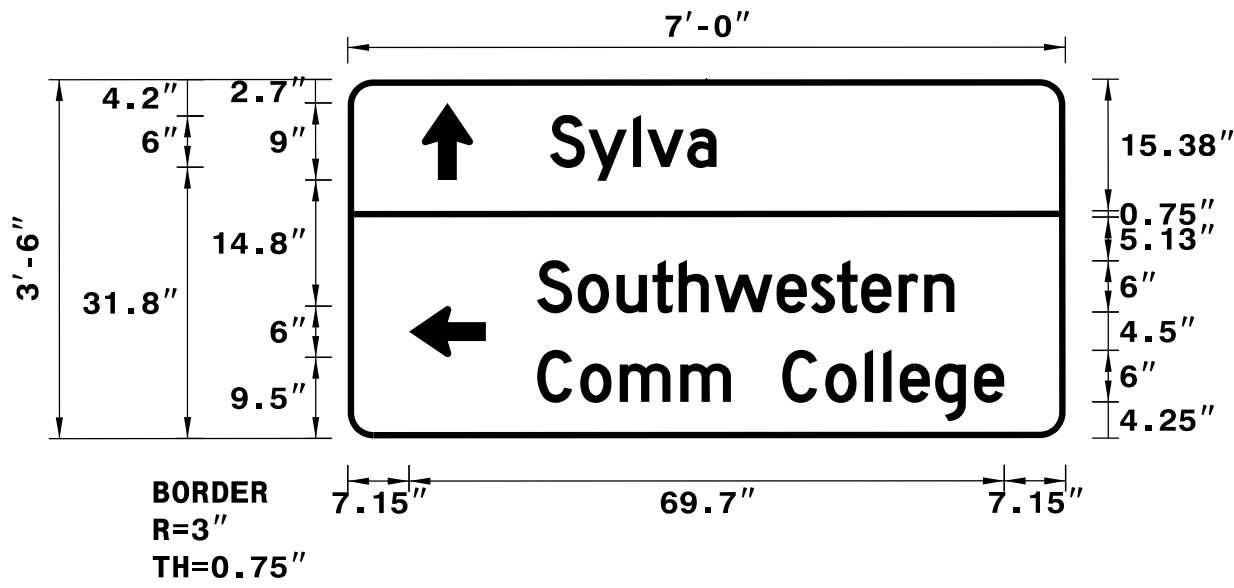
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UNLESS ALL SIGNATURES COMPLETED**

[illegible]

Spacing Factor is 1 unless specified otherwise

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.**

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Spacing Factor is 1 unless specified otherwise

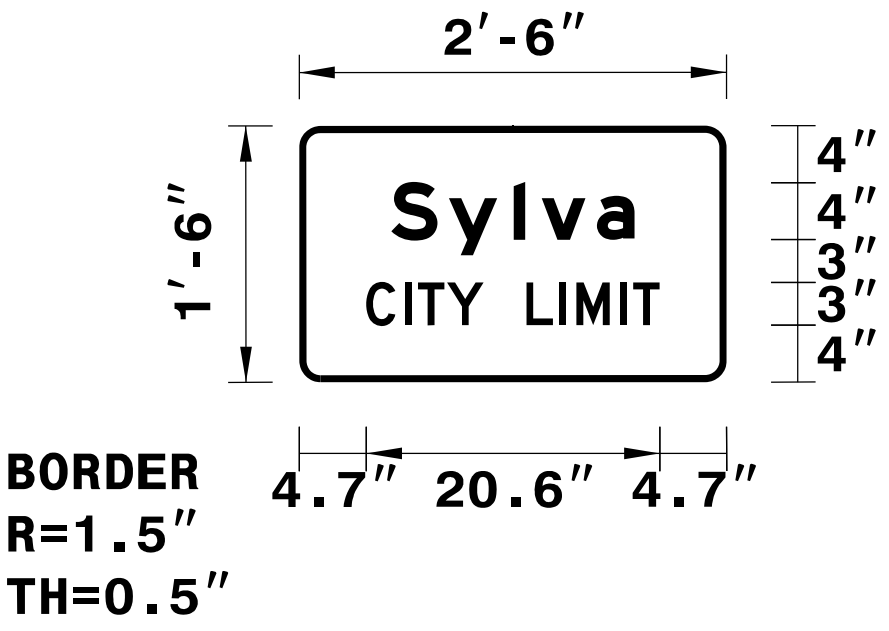
USE NOTES: 1,2

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																				Series/Size Text Length
Letter spacings are to start of next letter																				
22.2	5.2	4.7	2.2	1.9	4.1	7.5	4.4	4.1	3.5	24										D 2000 37.8
7.2	4.7	4.6	4.2	3.1	4.2	7.3	4	3.1	2.8	4.4	3	3.5	28							D 2000 48.8
7.2	5	4.6	7.1	5.9	6	5	4.6	2.2	1.9	4.1	4.6	3.5	22.2							D 2000 54.7

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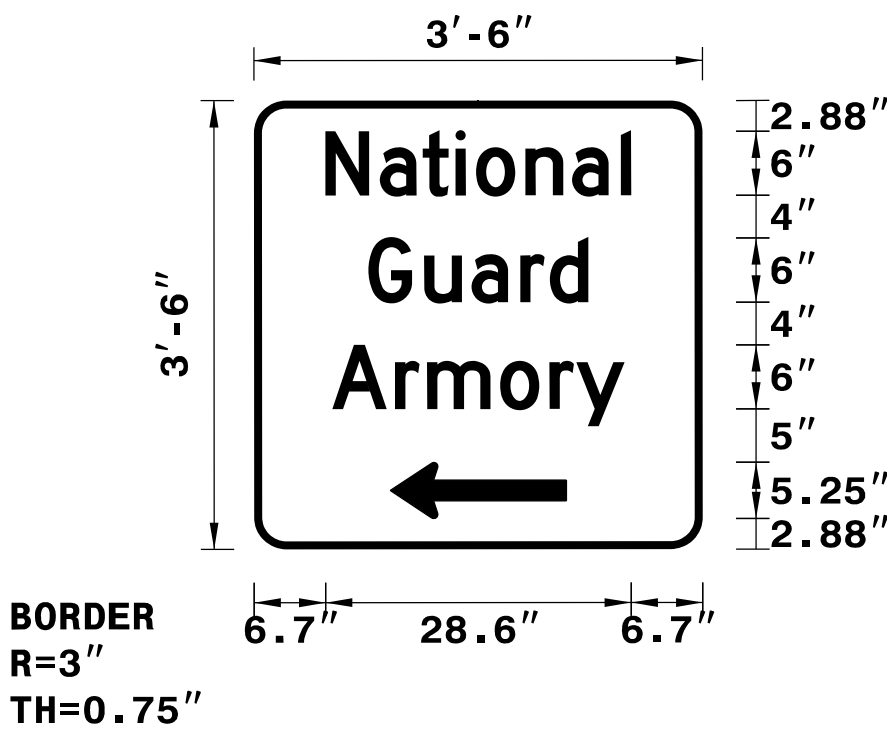
DESIGN BY: R DRAYTON CHECKED BY:M RZEPKA Sep 11, 2024
 PROJECT ID: R-5600 DIV: 14



Spacing Factor is 1 unless specified otherwise

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.

[illegible]

Spacing Factor is 1 unless specified otherwise

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.

[illegible][illegible]

SIGN DESIGNS

SIGN NUMBER: 313
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 QUANTITY: 1

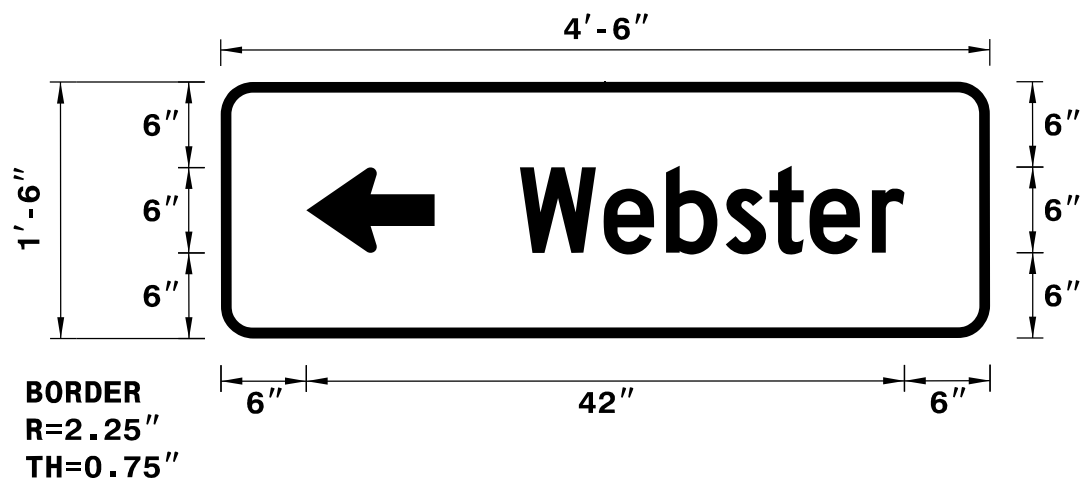
SIGN WIDTH: 4'-6"
 HEIGHT: 1'-6"
 TOTAL AREA: 6.8 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 2.25"

NO. Z BARS:
 LENGTH:

SYMBOL	X	Y	WID	HT
AR_Type D	6	6	6	9

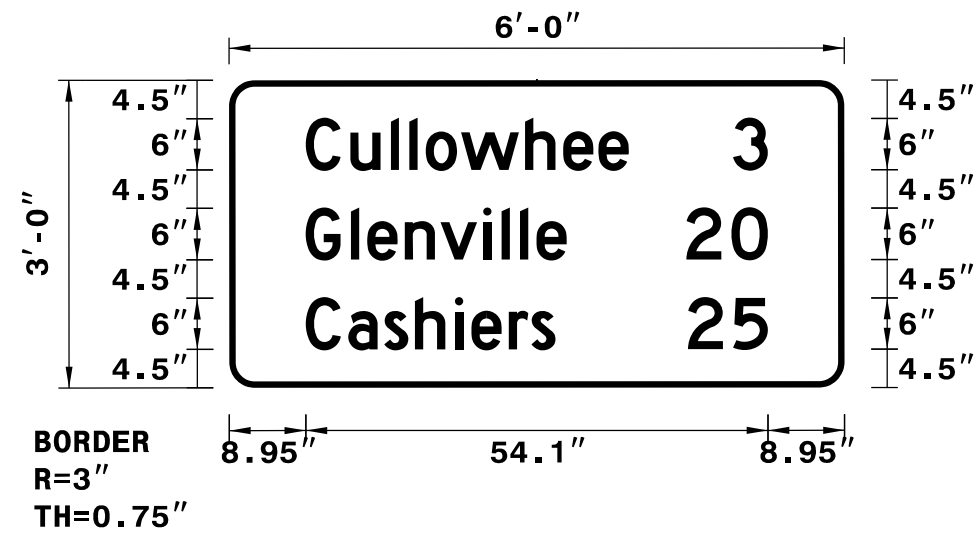
MAT'L: 0.125" (3.2 mm) ALUMINUM

[illegible]

Spacing Factor is 1 unless specified otherwise

[illegible]

DESIGN BY: R DRAYTON CHECKED BY:M RZEPKA Sep 11, 2024
PROJECT ID: R-5600 DIV: 14



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

[illegible]

FILENAME: Guidsign_English_8-2-13

NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

[illegible]

FILENAME: Guidsign_English_8-2-13

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 315 BACKG COLOR: Green
 TYPE: D COPY COLOR: White
 QUANTITY: 1

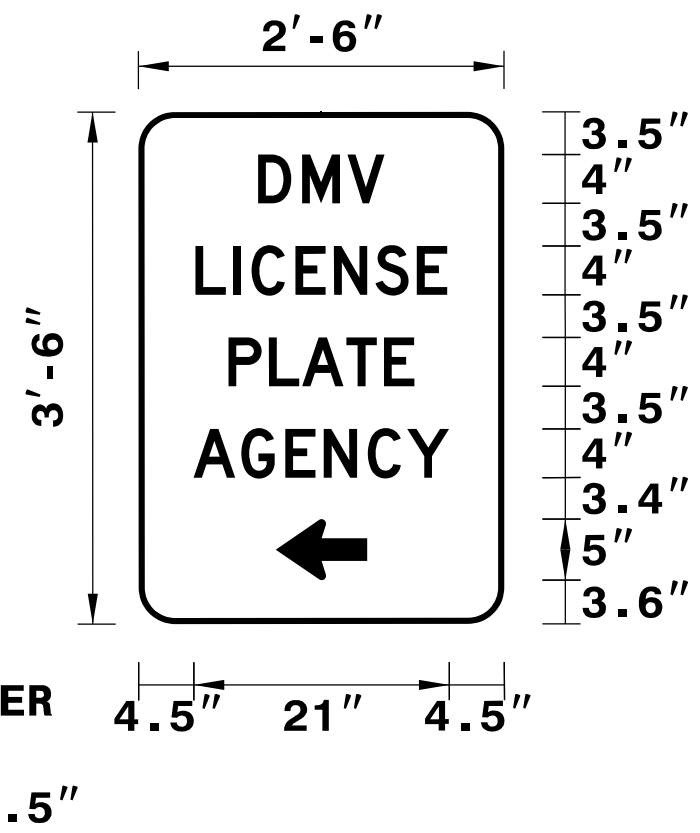
SIGN WIDTH: 2'-6"
 HEIGHT: 3'-6"
 TOTAL AREA: 8.8 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.5"
 RADII: 3"

NO. Z BARS:
 LENGTH:

SYMBOL	X	Y	WID	HT
AR_Type D	11.3	3.6	5	7.5

MAT'L: 0.125" (3.2 mm) ALUMINUM

[illegible]

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

[illegible]

FILENAME: Guidsign_English_8-2-13

NORTH CAROLINA D.O.T. SIGN DETAIL

TIP NO.	SHEET NO.
R-5600	SIGN-4C

APPROVED: Michael T. Rzepka

DATE: 10/14/2025

SEAL



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

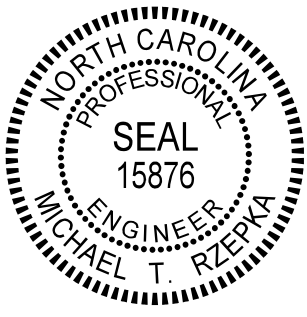
SIGN DESIGNS

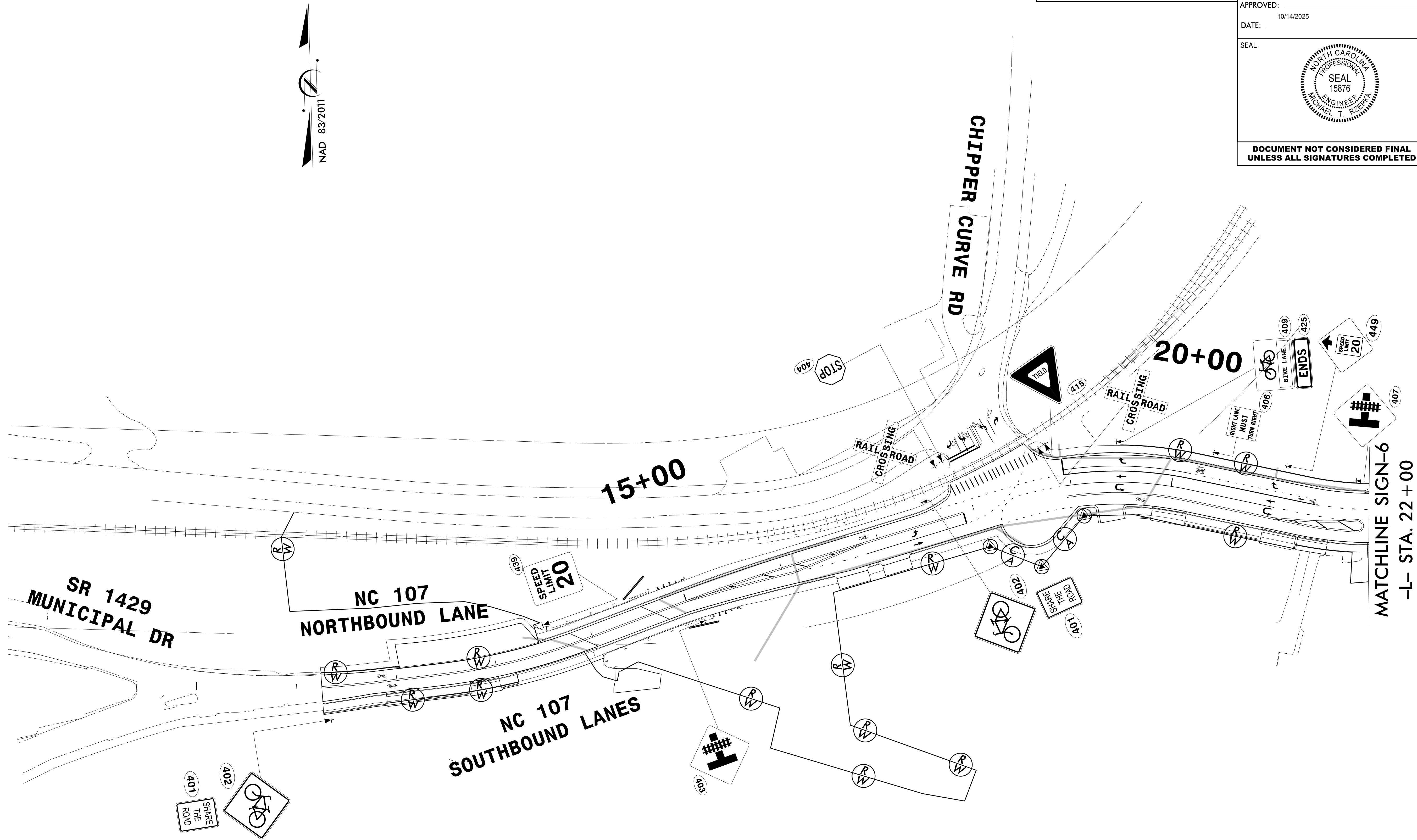


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<i>Michael T. Rzepka</i>	
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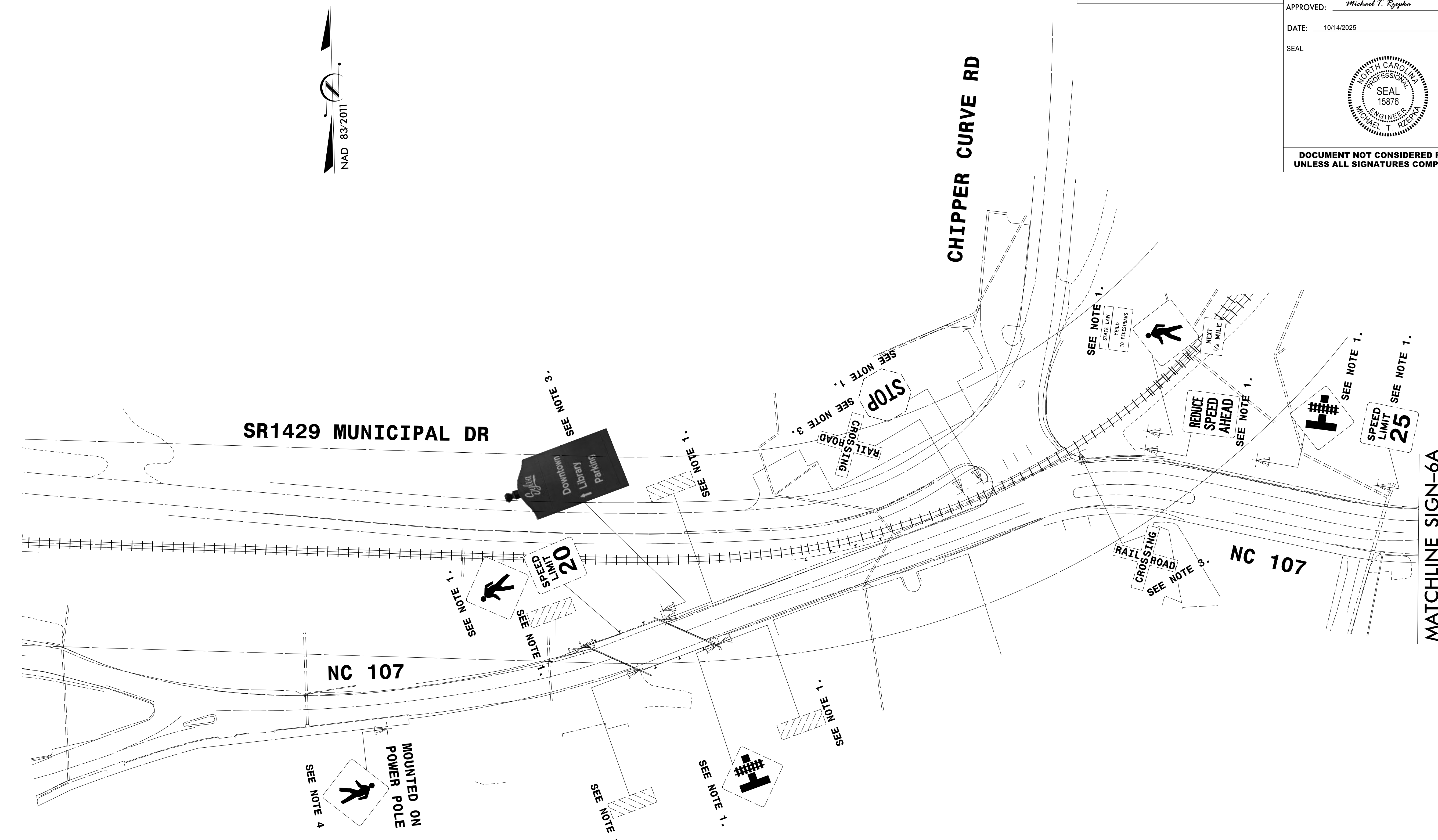
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NOTES:

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3. RELOCATE SIGN BY OTHERS
4. DISPOSAL OF SIGN D, E, OR F
5. DISPOSAL OF SIGN SYSTEM ON SPAN WIRE
6. RELOCATE SIGN, TYPE D
7. DISPOSAL OF FLASHER SYSTEM (SEE SP)

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SHEET NO.

SIGN-6

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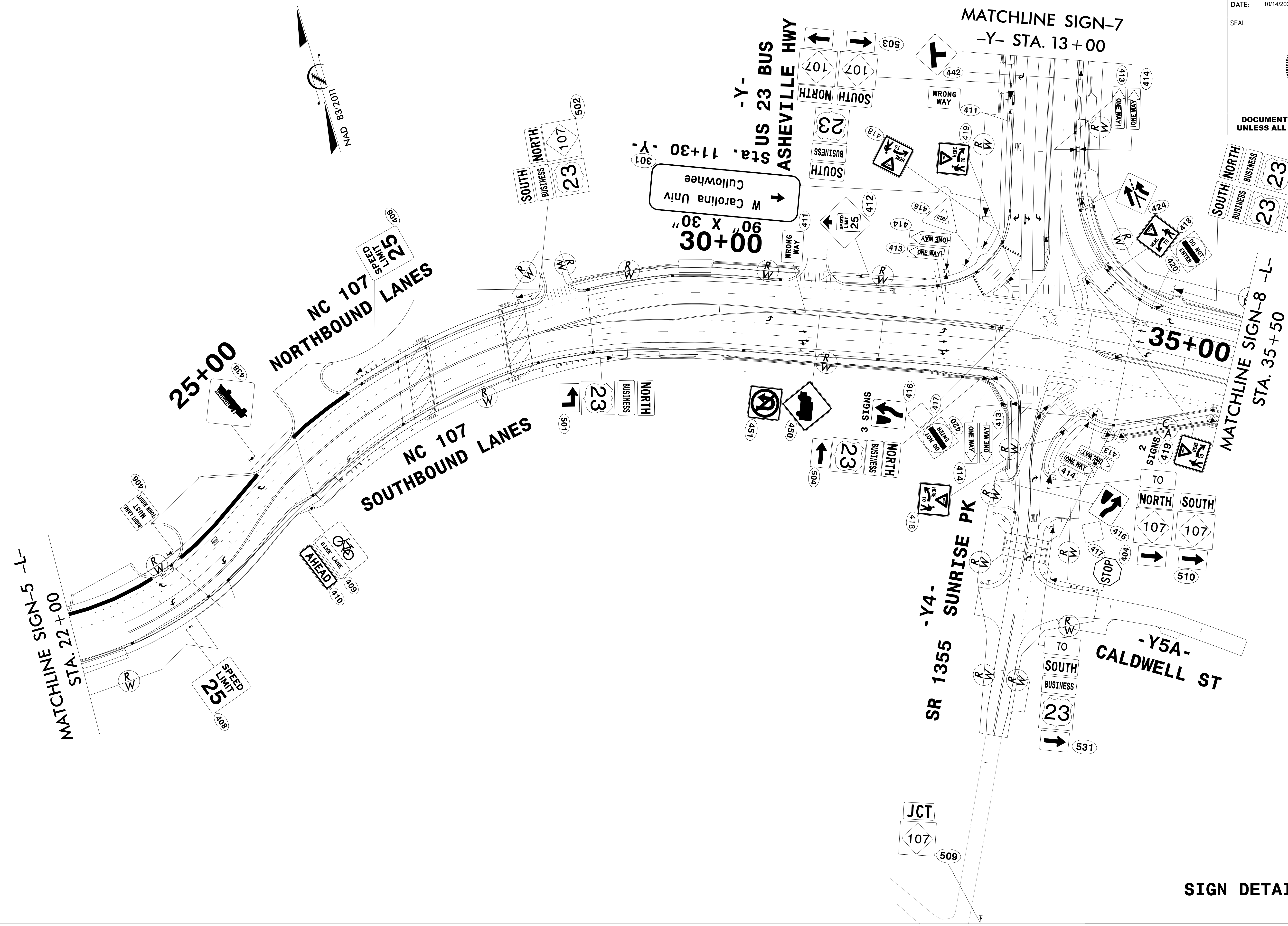
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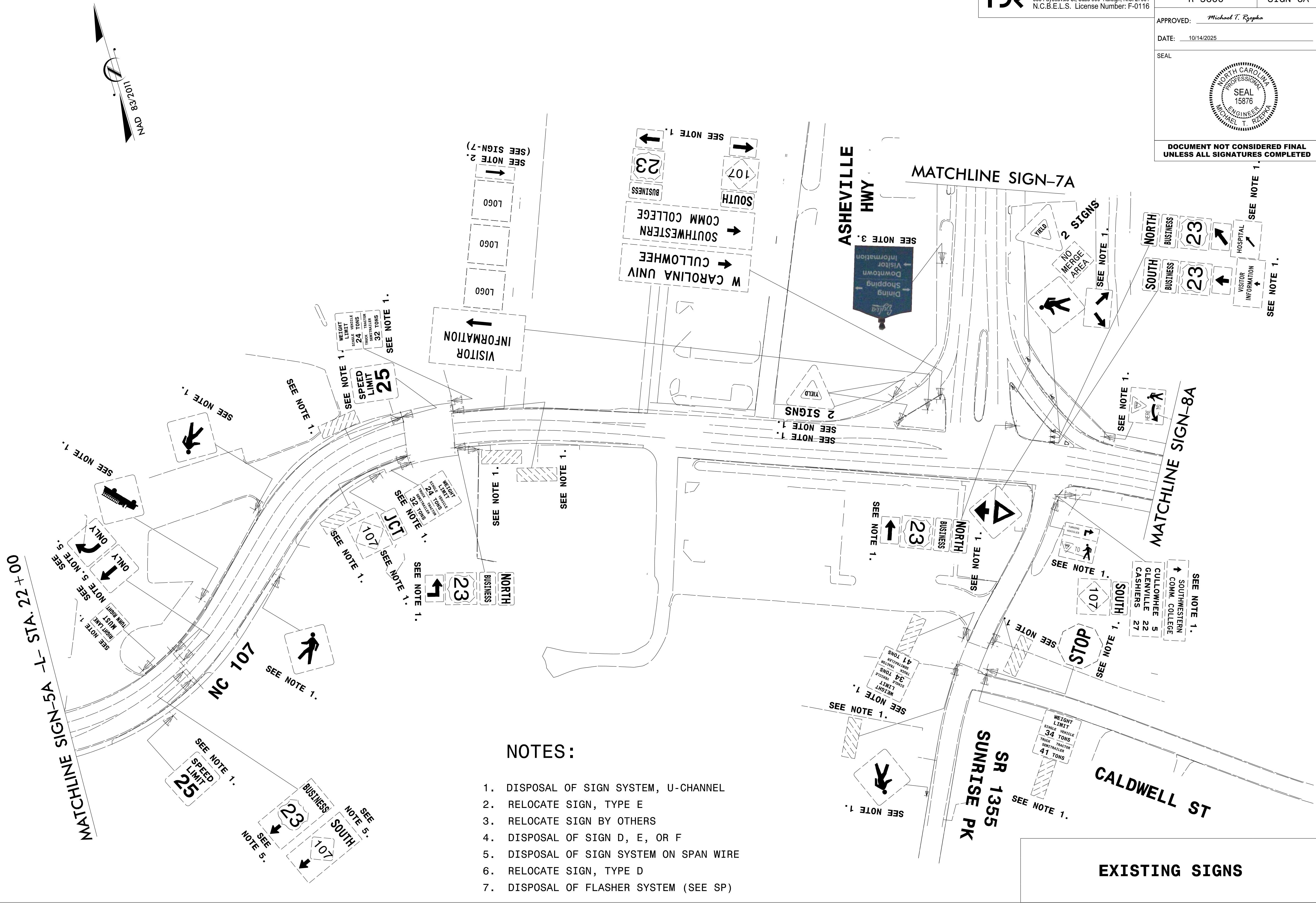
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SHEET NO.

SIGN-7

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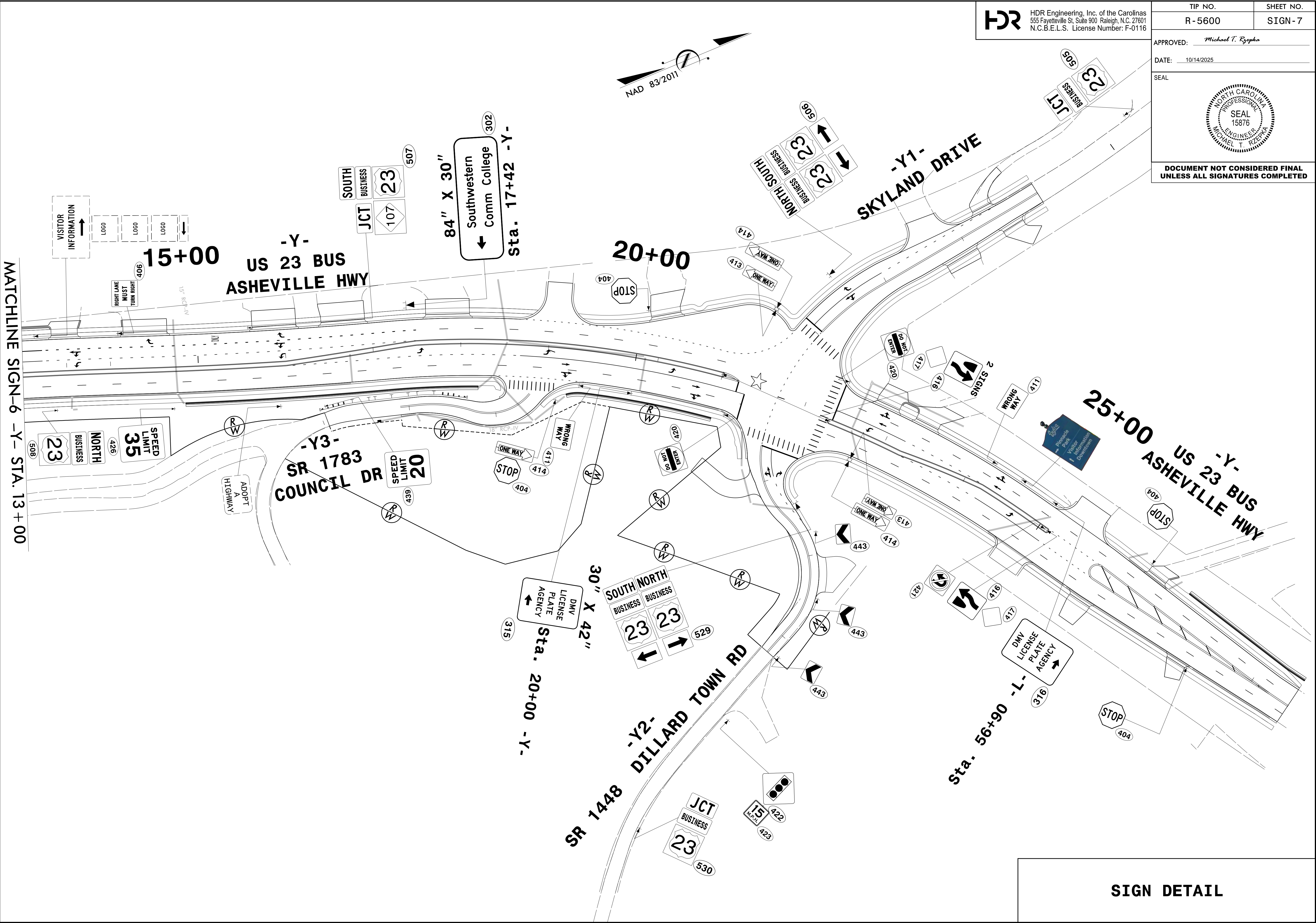
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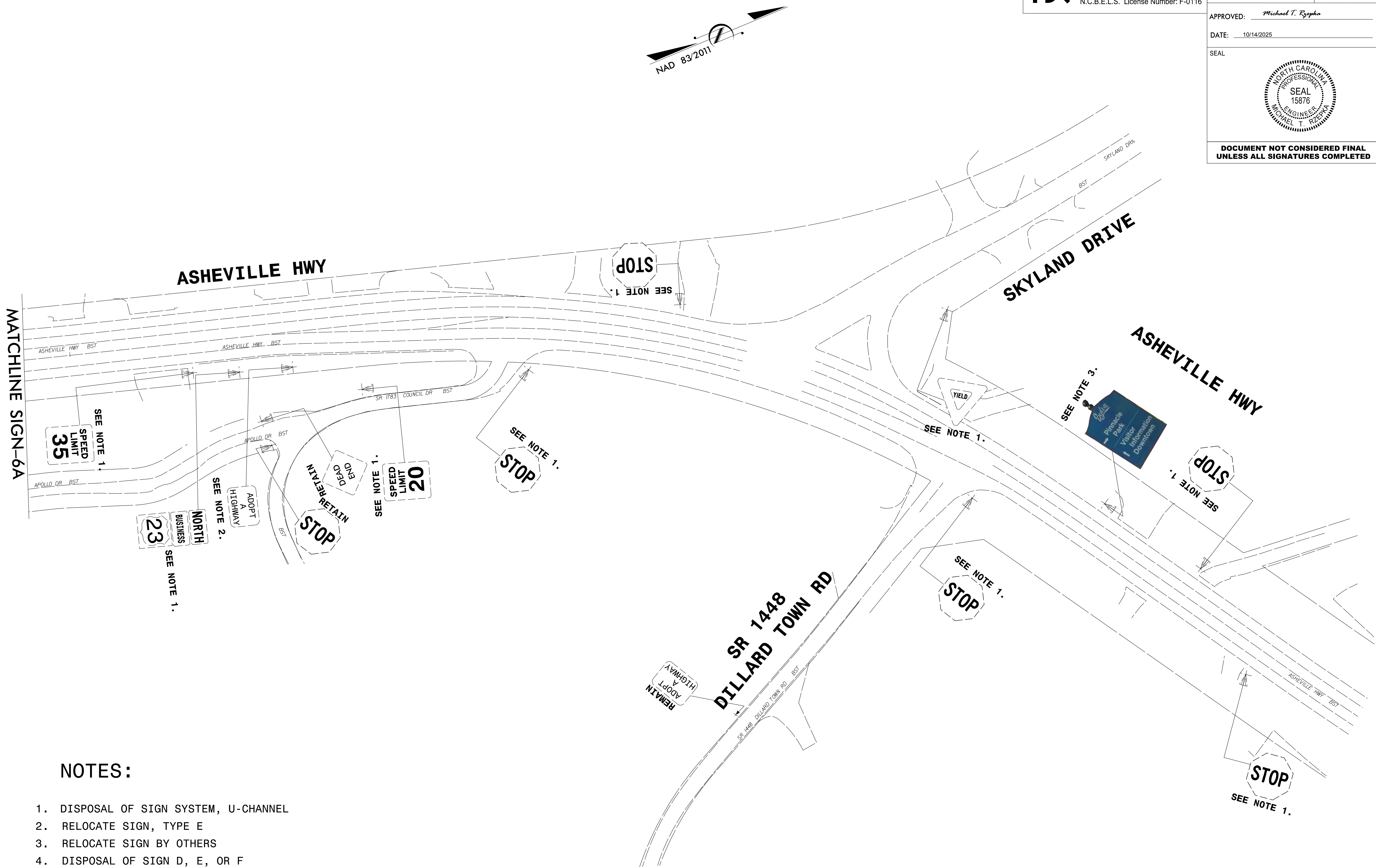


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- 5. DISPOSAL OF SIGN SYSTEM ON SPAN WIRE
- 6. RELOCATE SIGN, TYPE D
- 7. DISPOSAL OF FLASHER SYSTEM (SEE SP)

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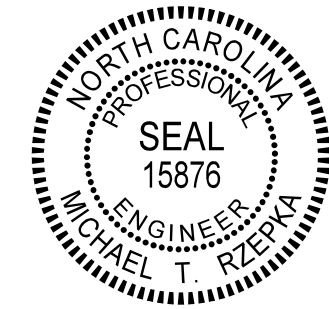
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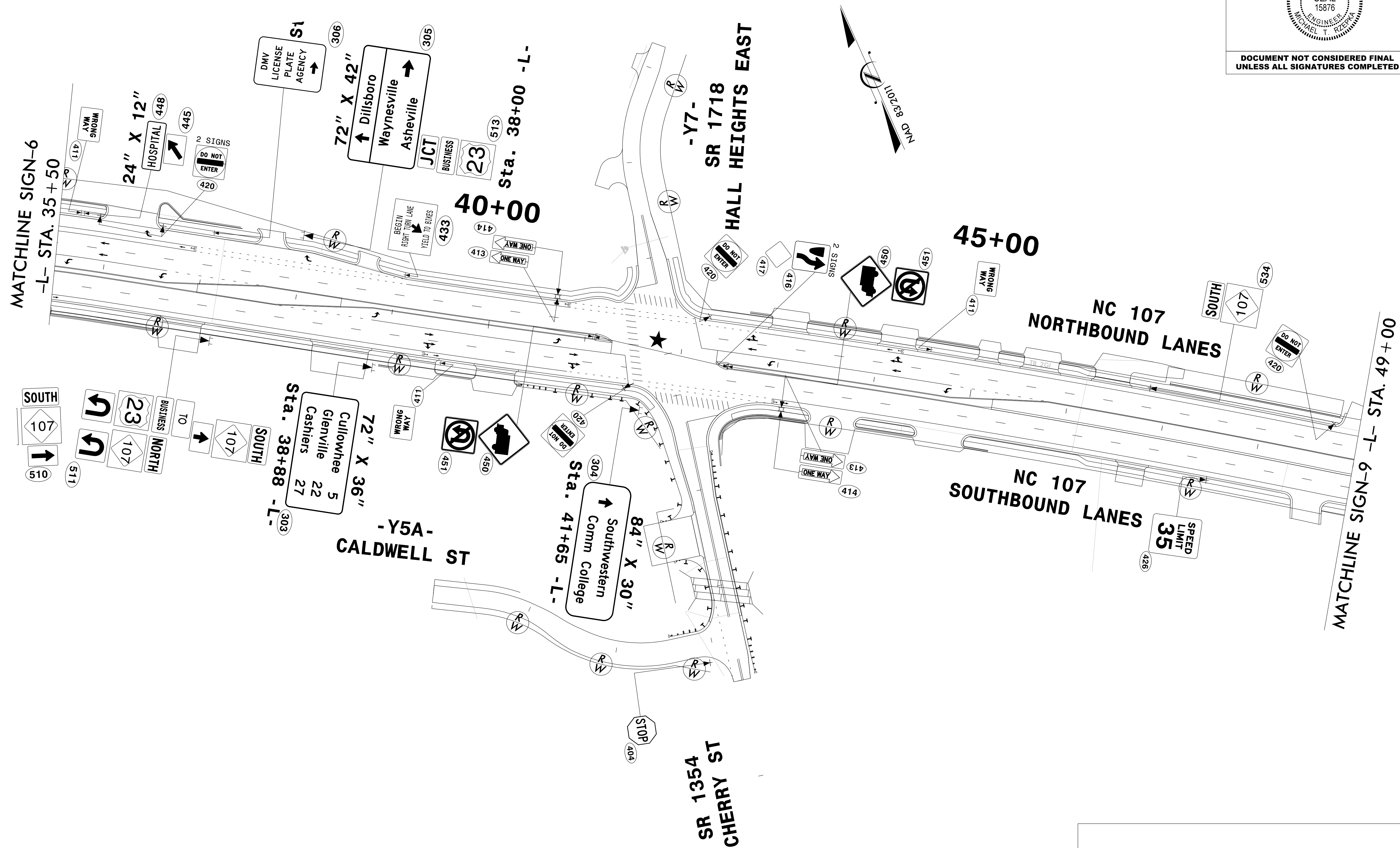
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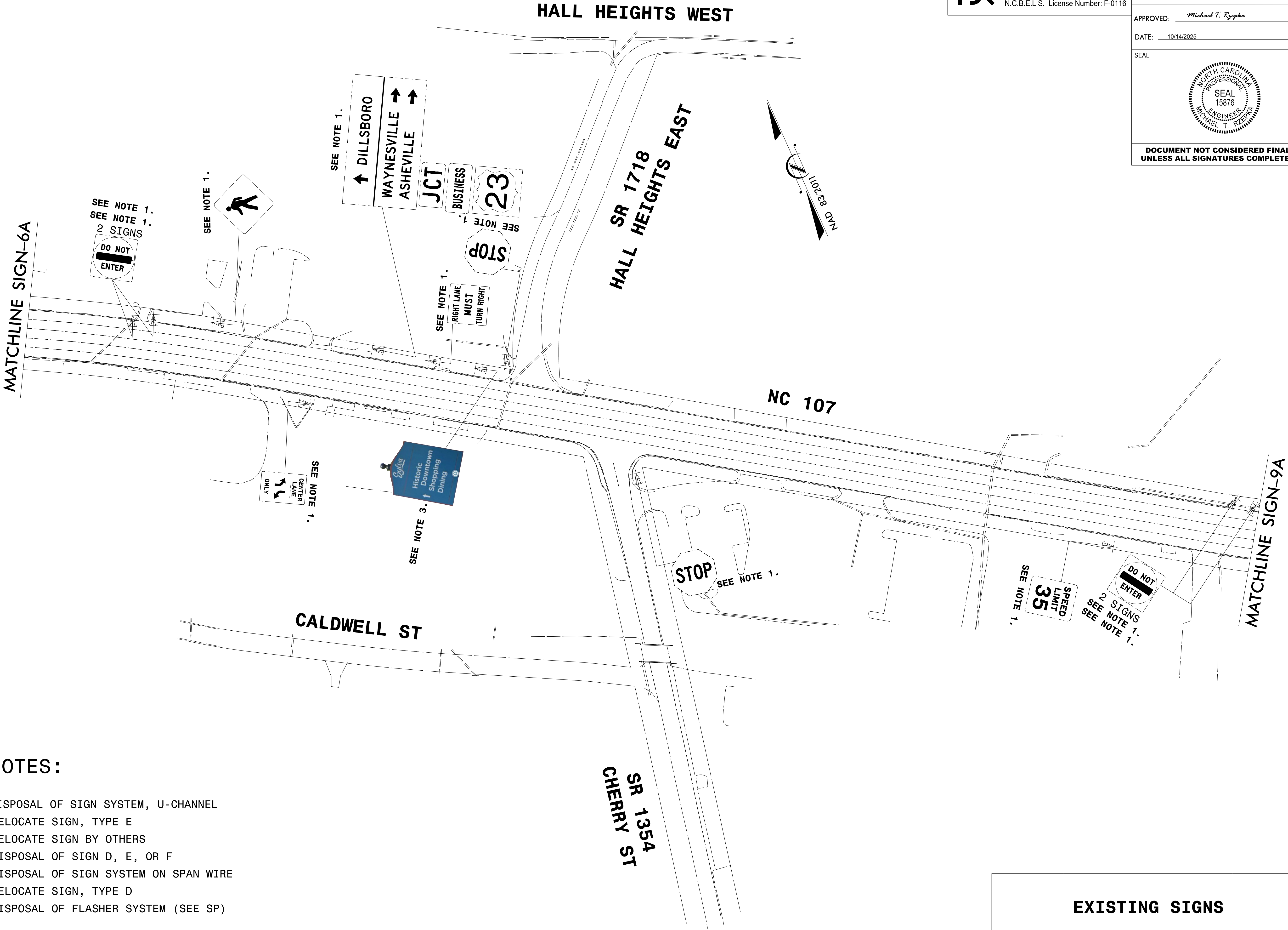


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- 5. DISPOSAL OF SIGN SYSTEM ON SPAN WIRE
- 6. RELOCATE SIGN, TYPE D
- 7. DISPOSAL OF FLASHER SYSTEM (SEE SP)

EXISTING SIGNS

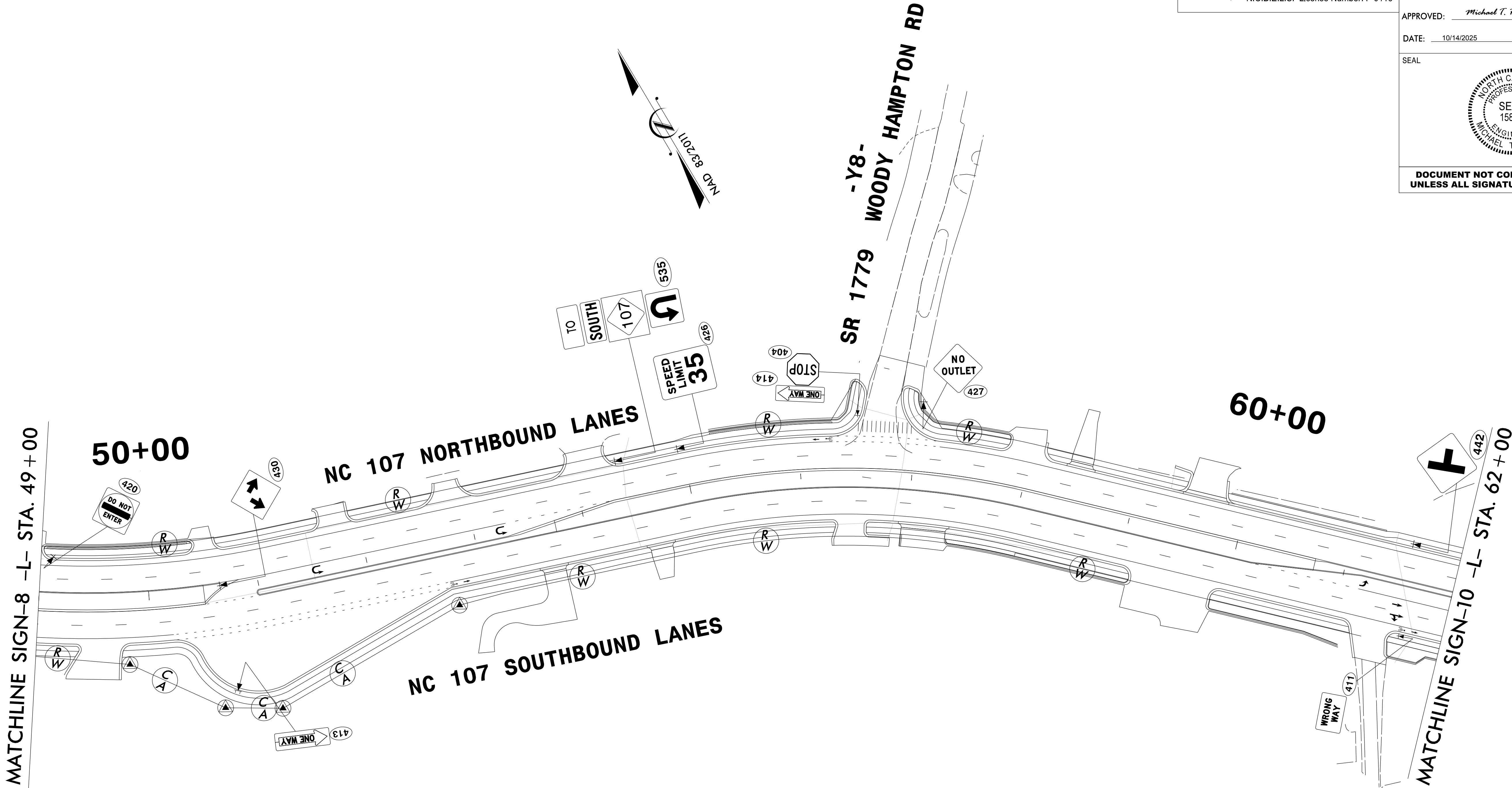


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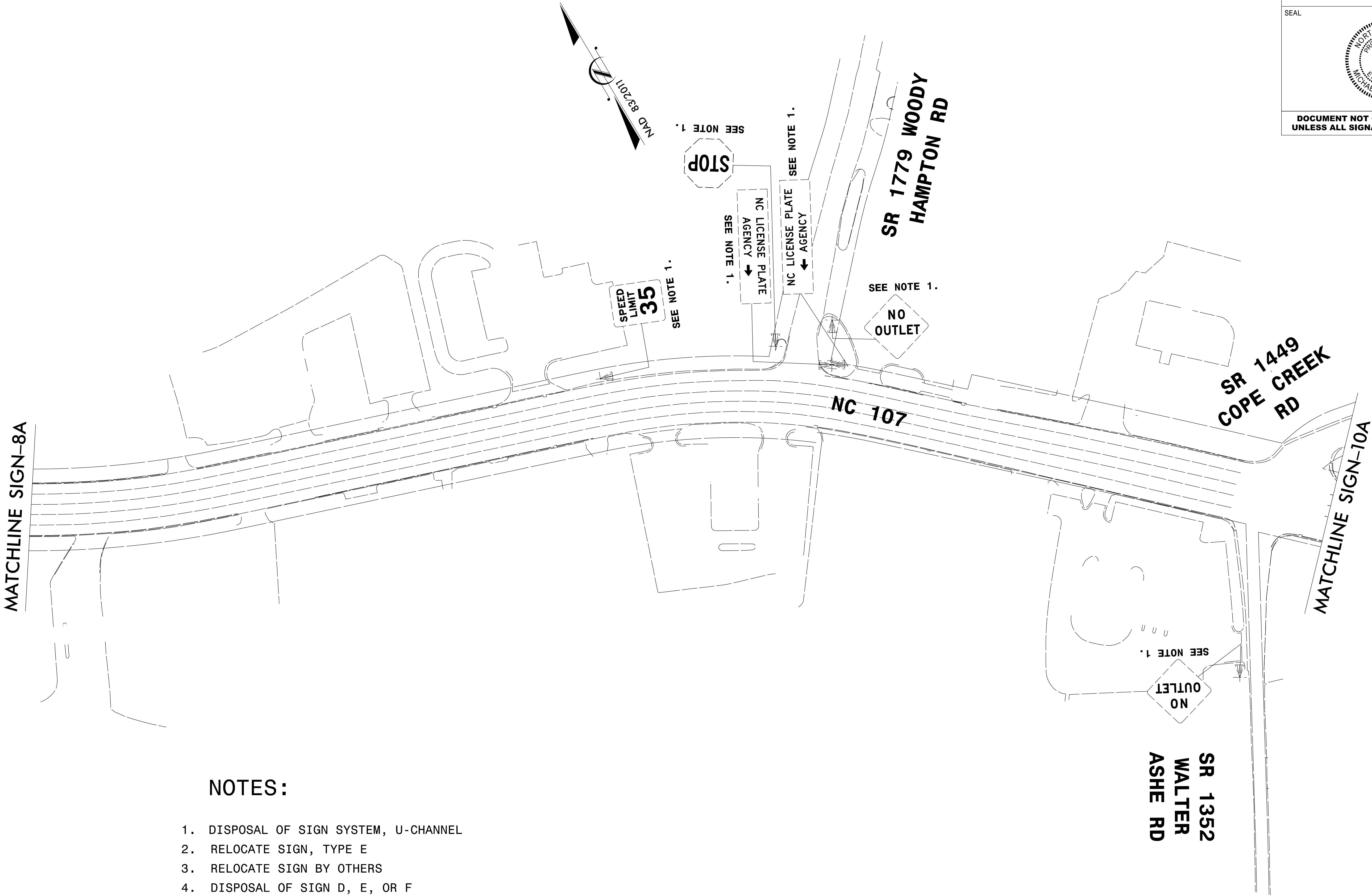


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- 6. RELOCATE SIGN, TYPE D
- 7. DISPOSAL OF FLASHER SYSTEM (SEE SP)

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SHEET NO.

SIGN-10

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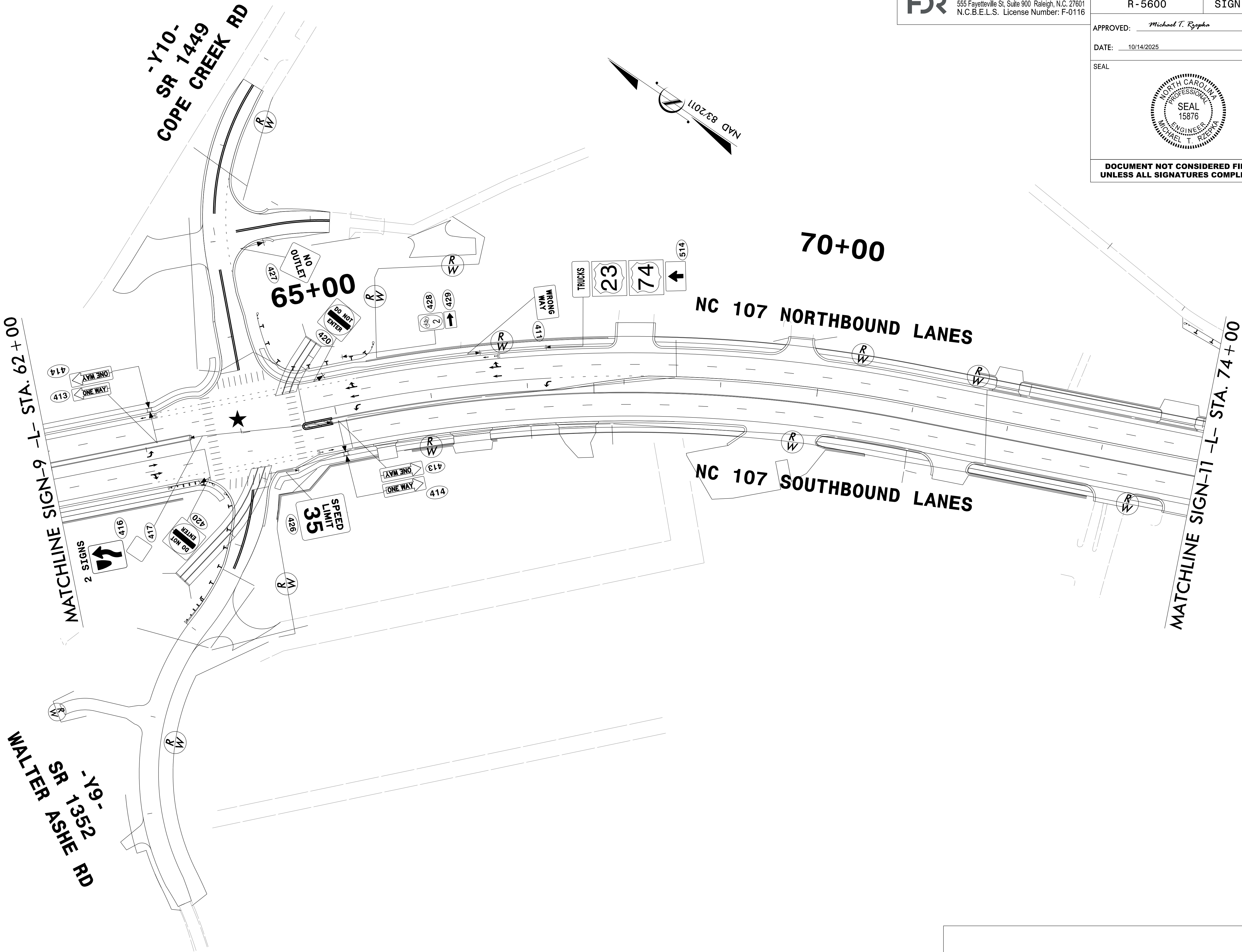
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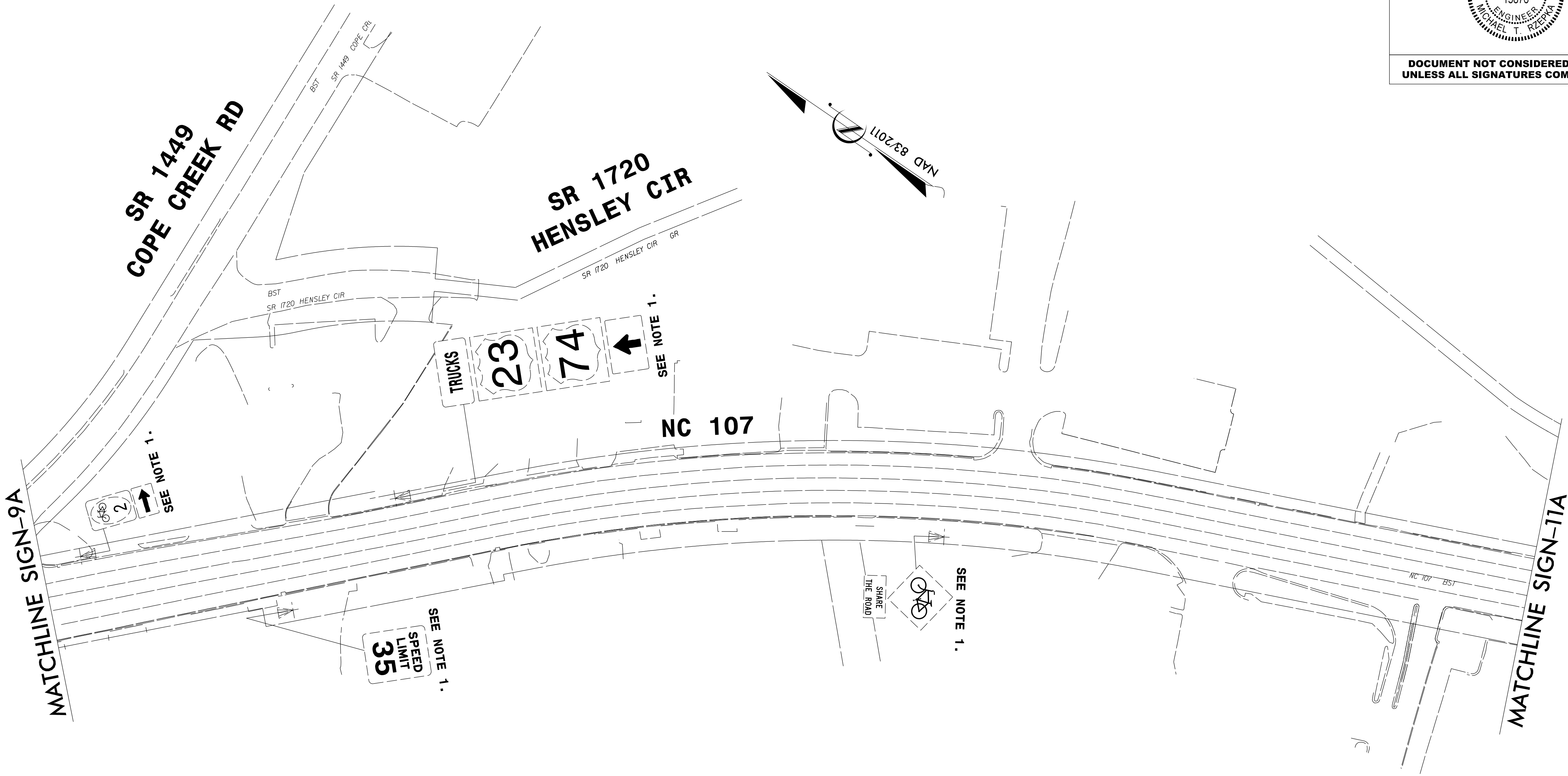


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- 6. RELOCATE SIGN, TYPE D
- 7. DISPOSAL OF FLASHER SYSTEM (SEE SP)

EXISTING SIGNS

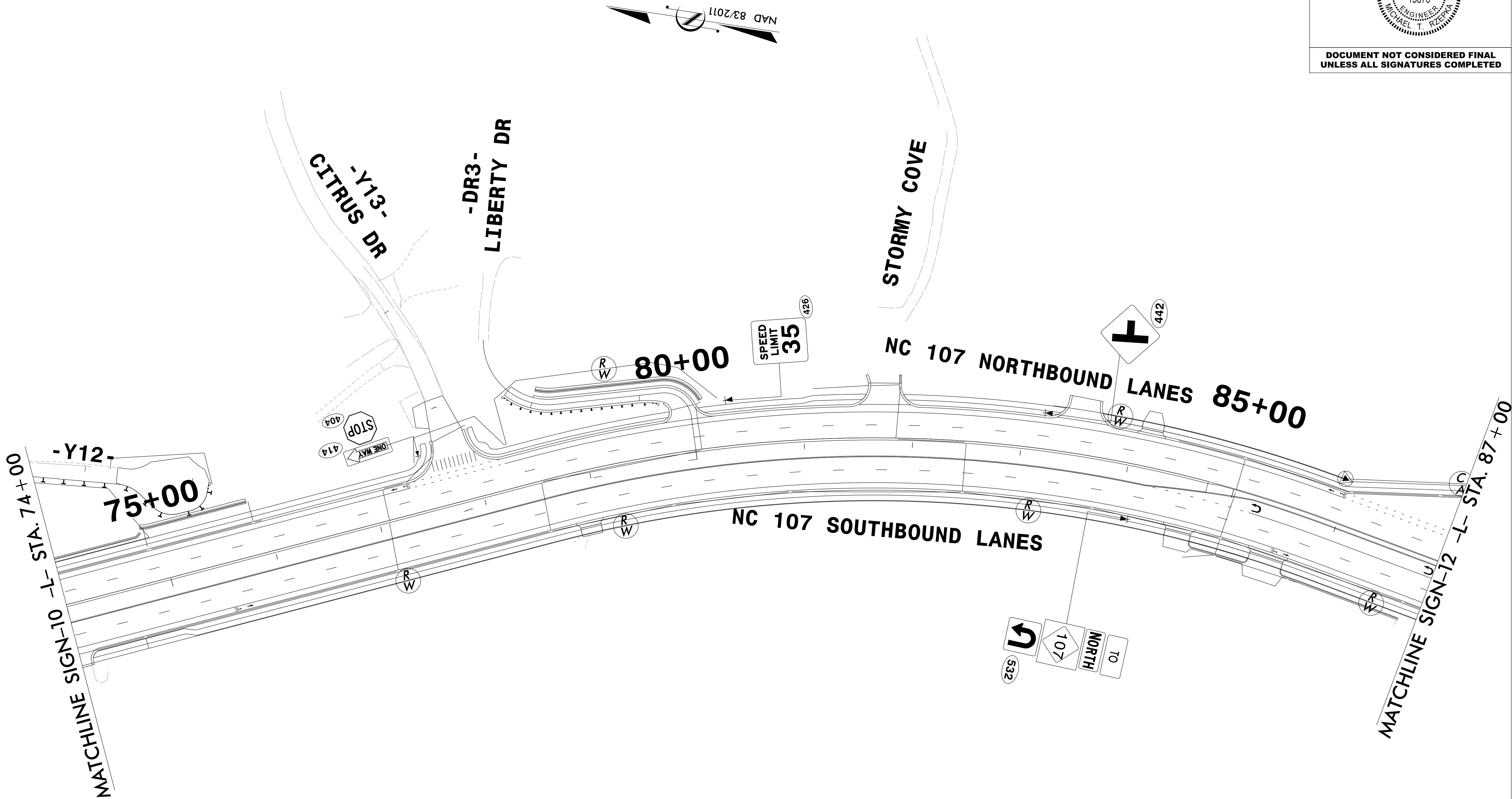


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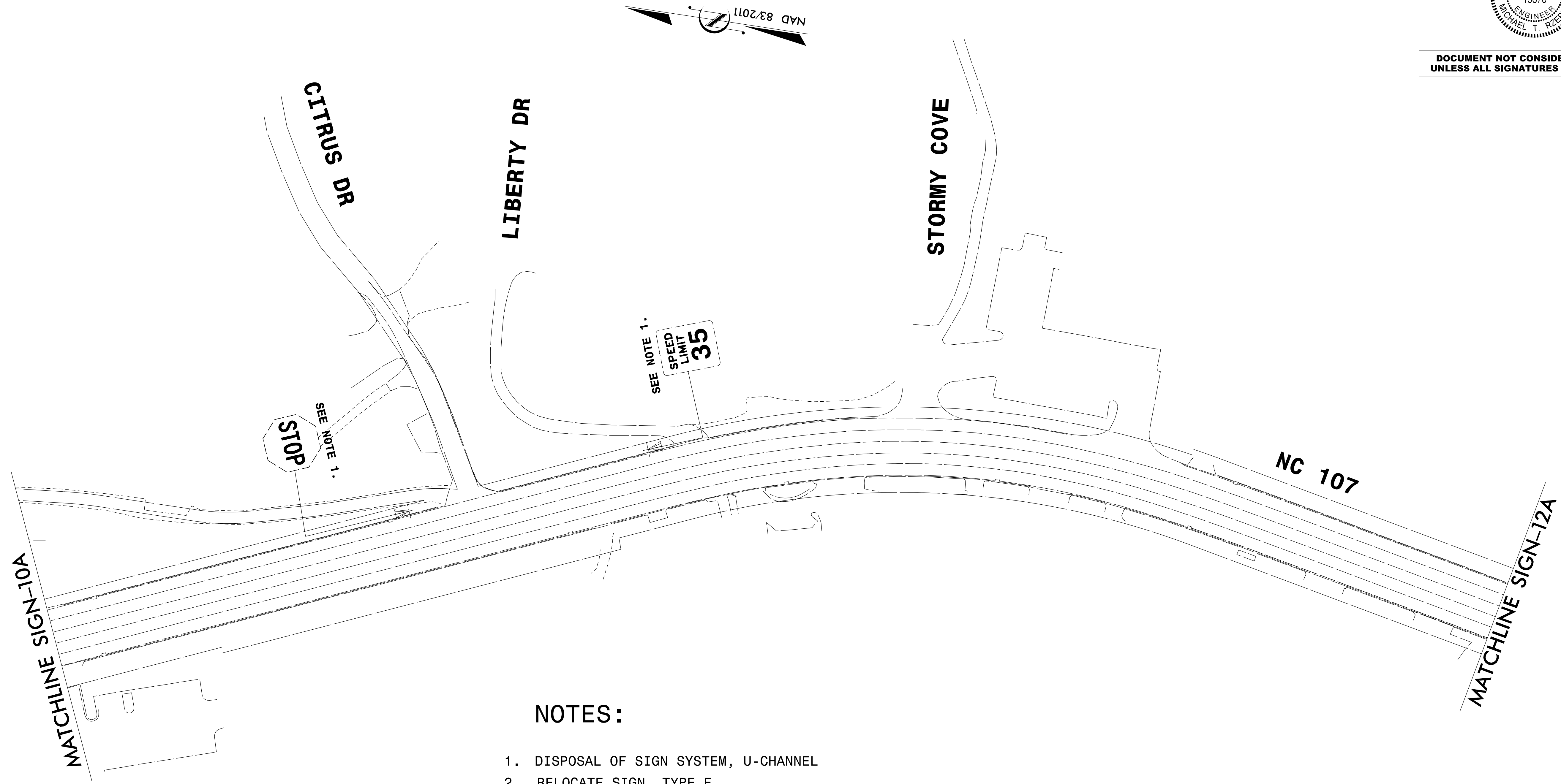


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 - 6. RELOCATE SIGN, TYPE D
 - 7. DISPOSAL OF FLASHER SYSTEM (SEE SP)

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R-5600

SHEET NO.

SIGN-12

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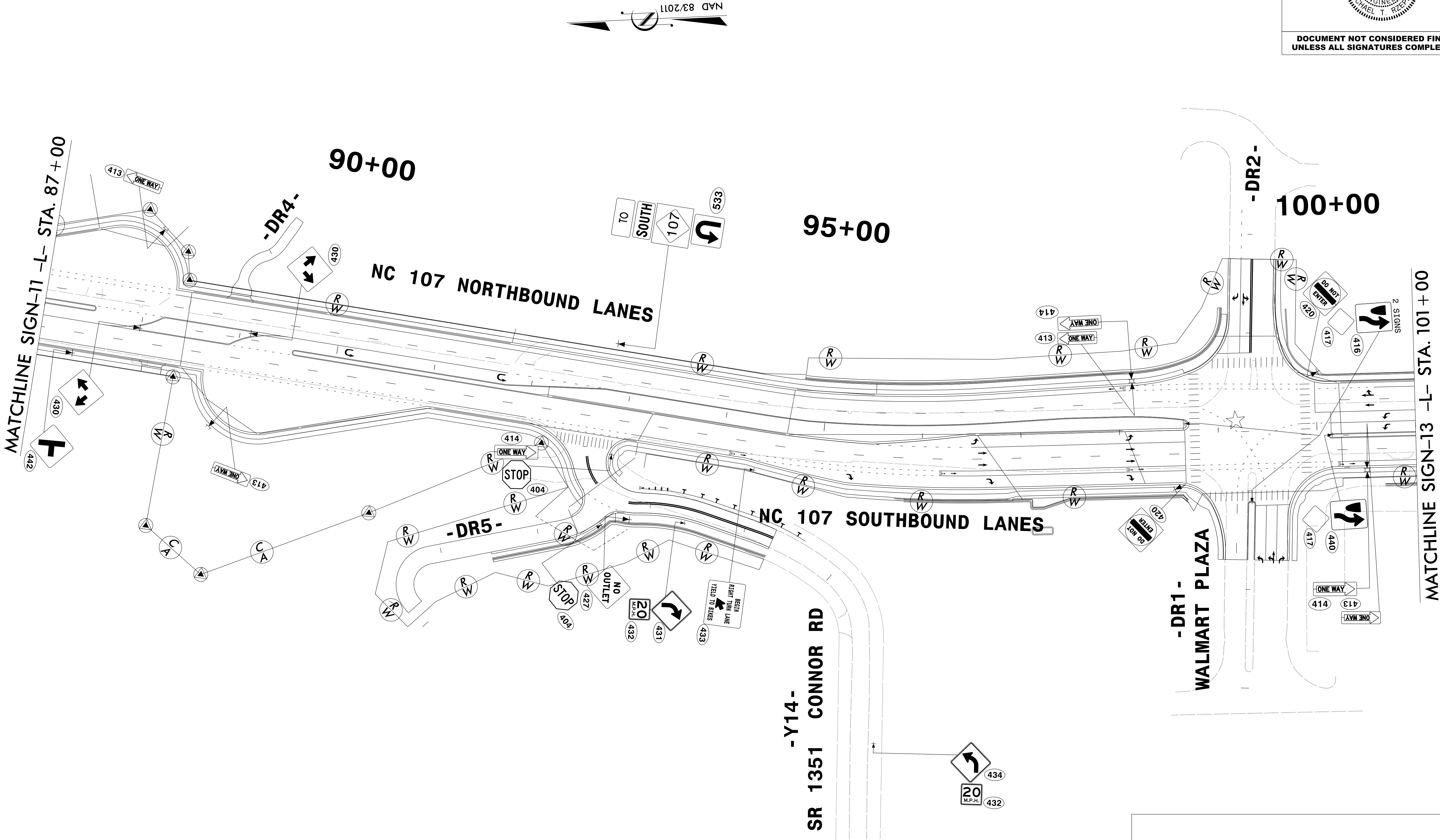
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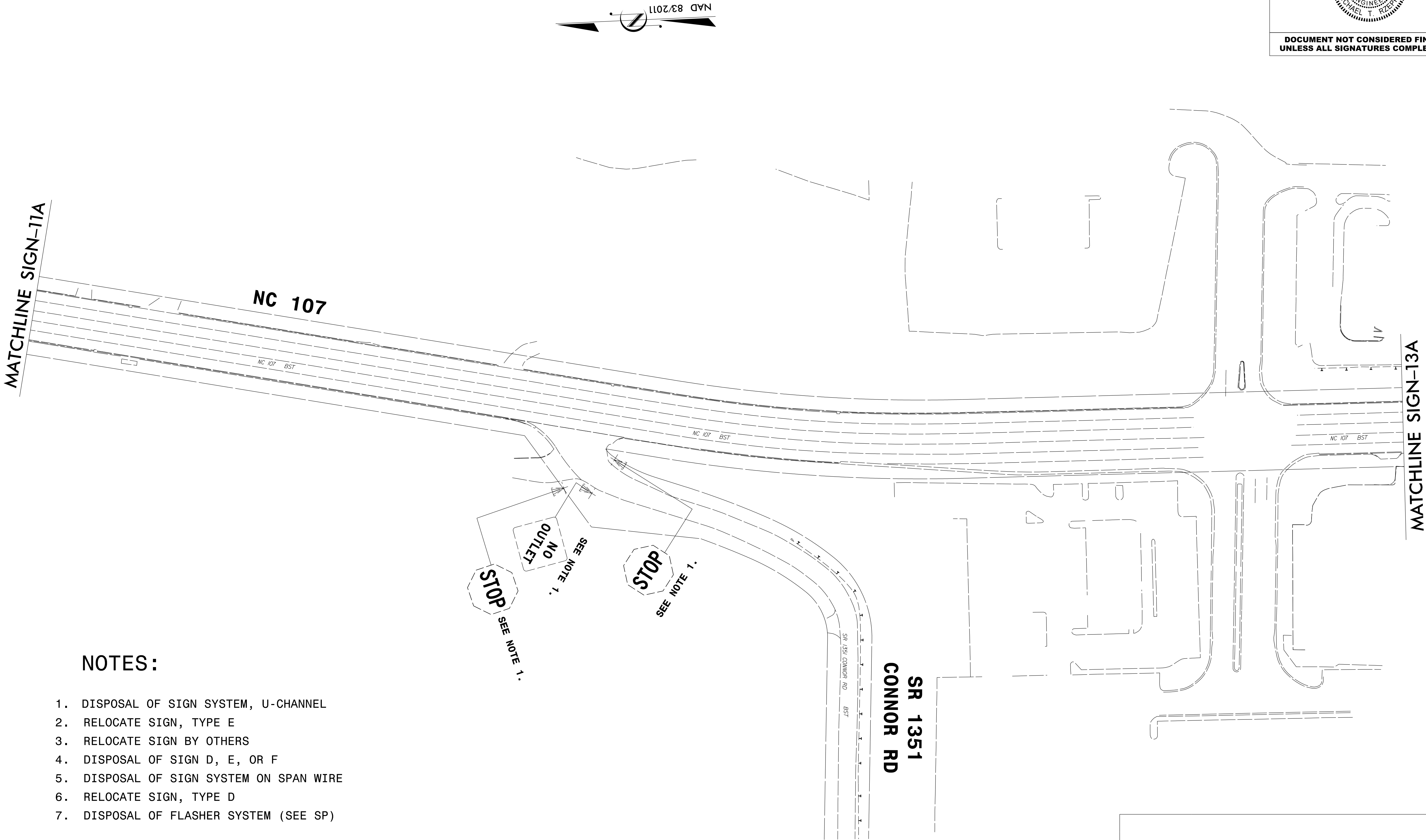


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- 6. RELOCATE SIGN, TYPE D
- 7. DISPOSAL OF FLASHER SYSTEM (SEE SP)

EXISTING SIGNS

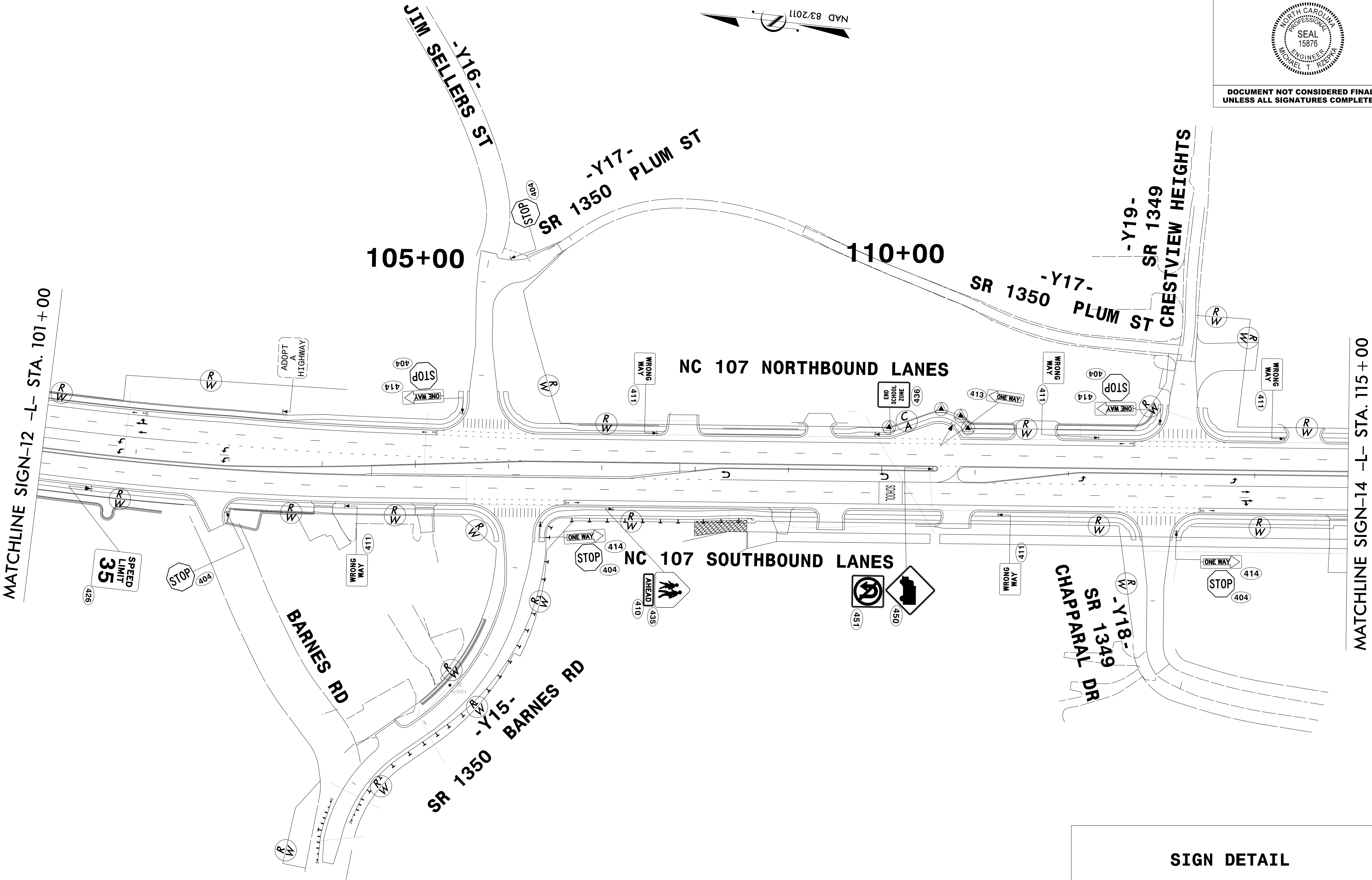


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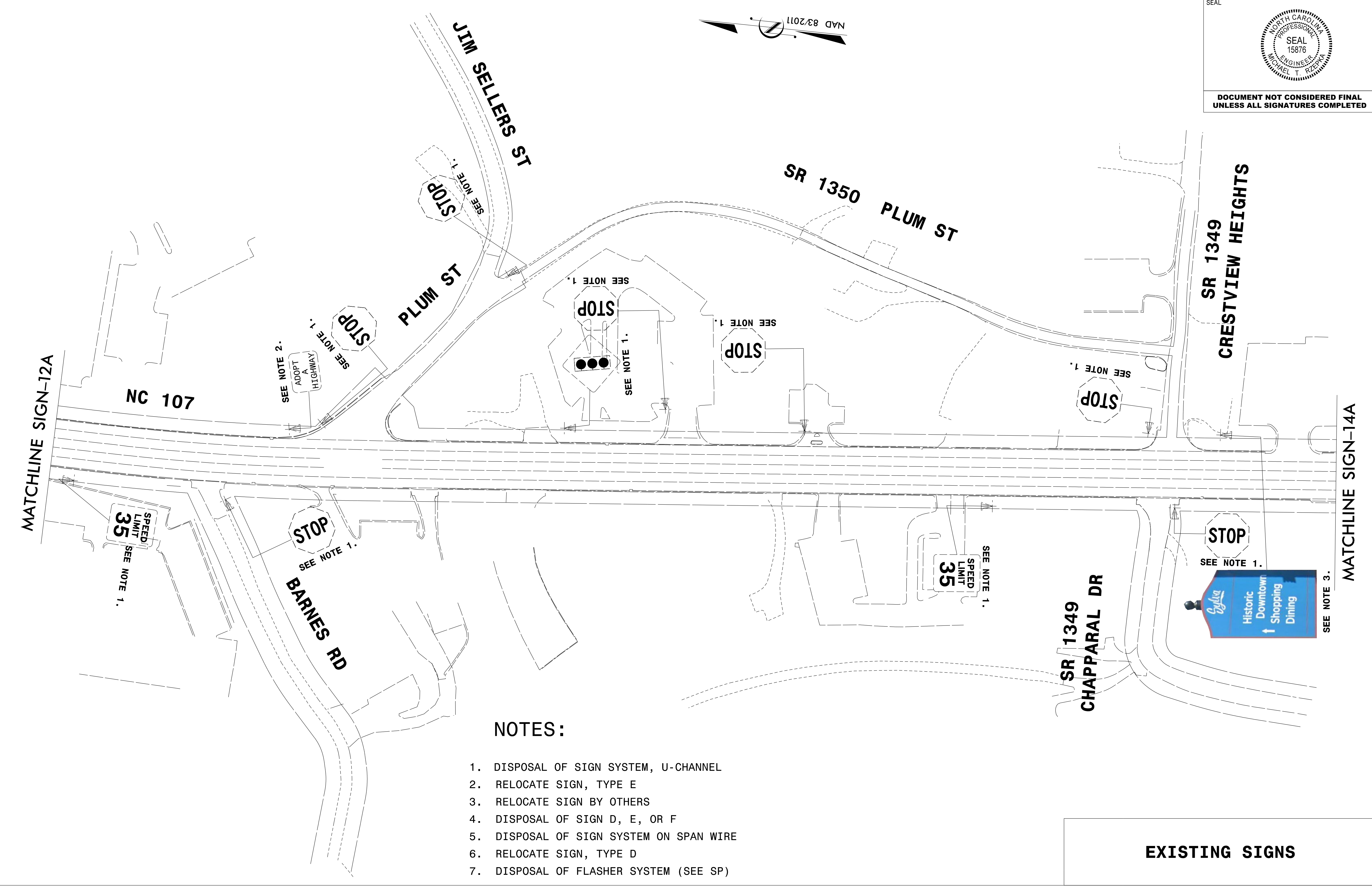
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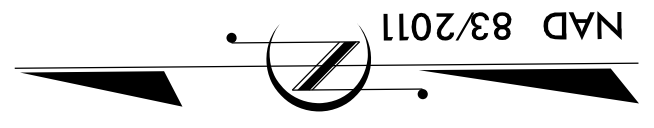
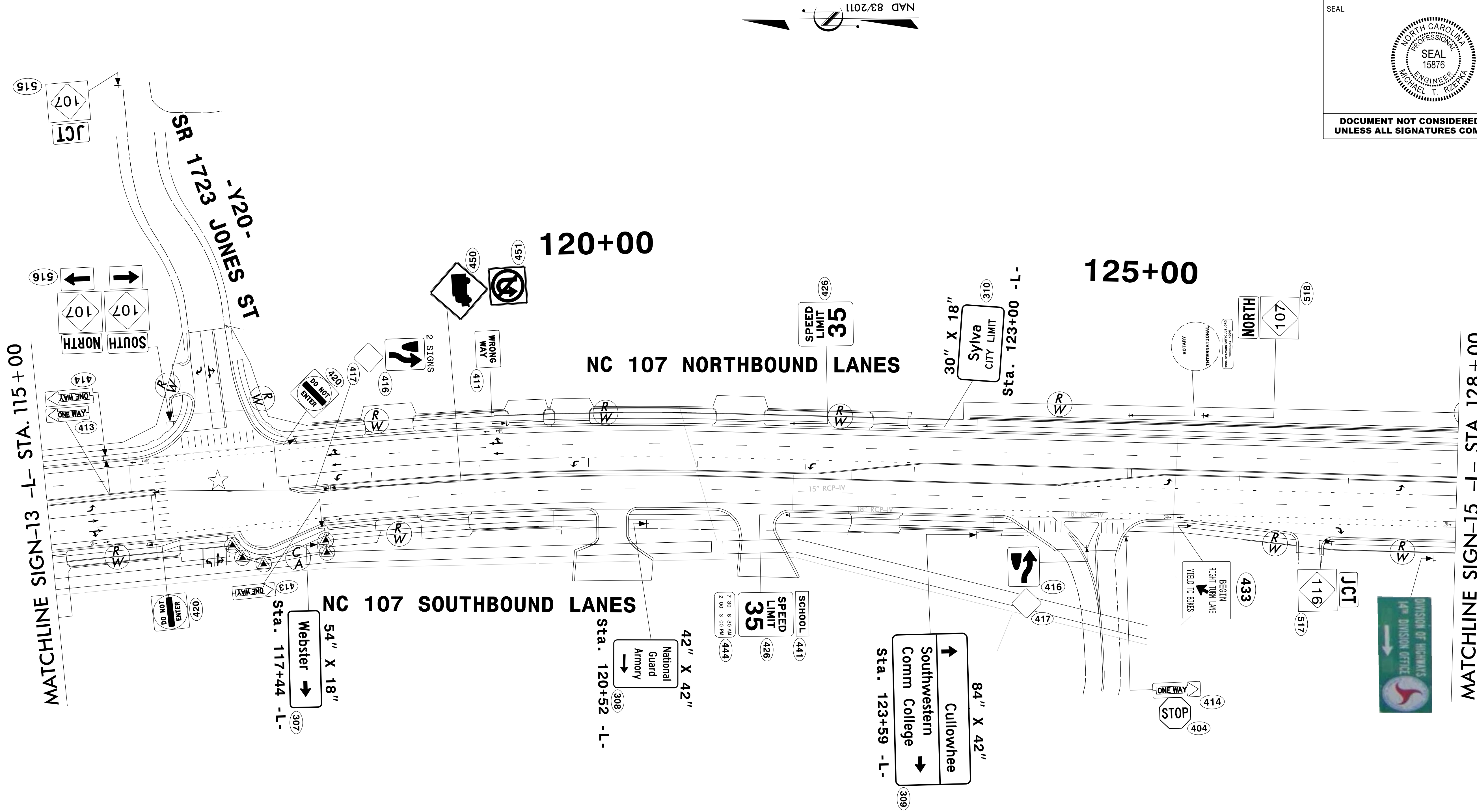
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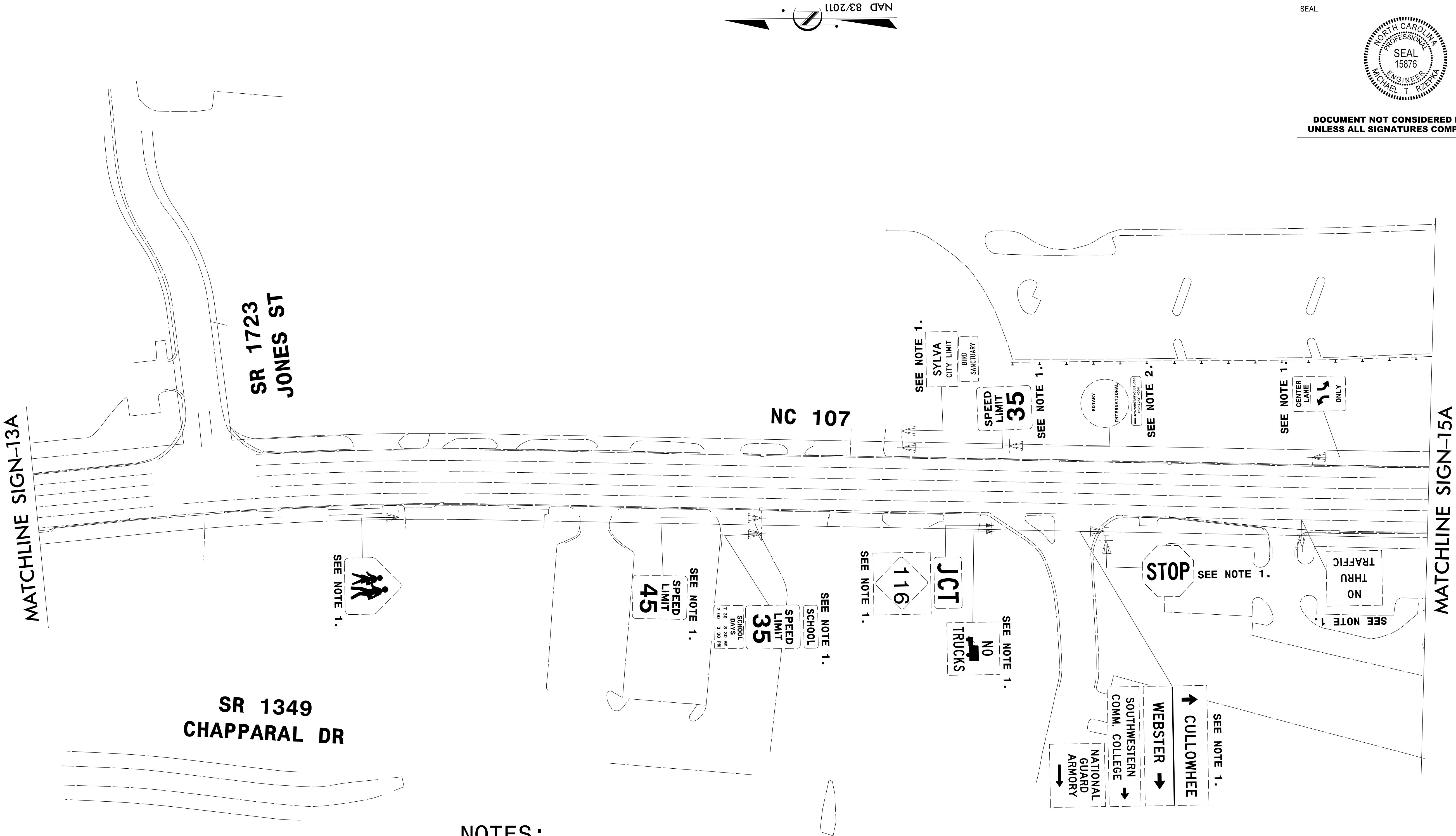


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SIGN-15

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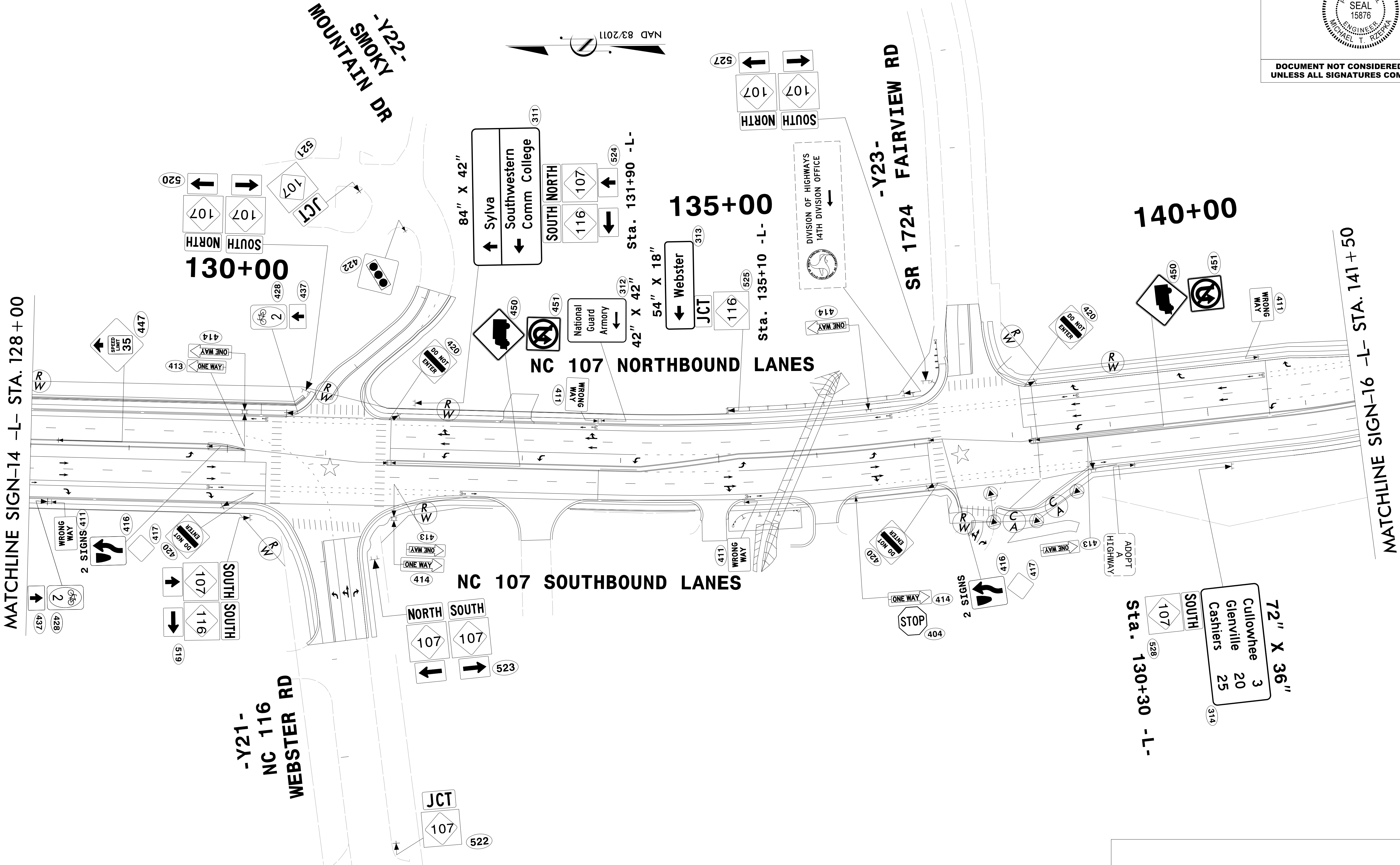
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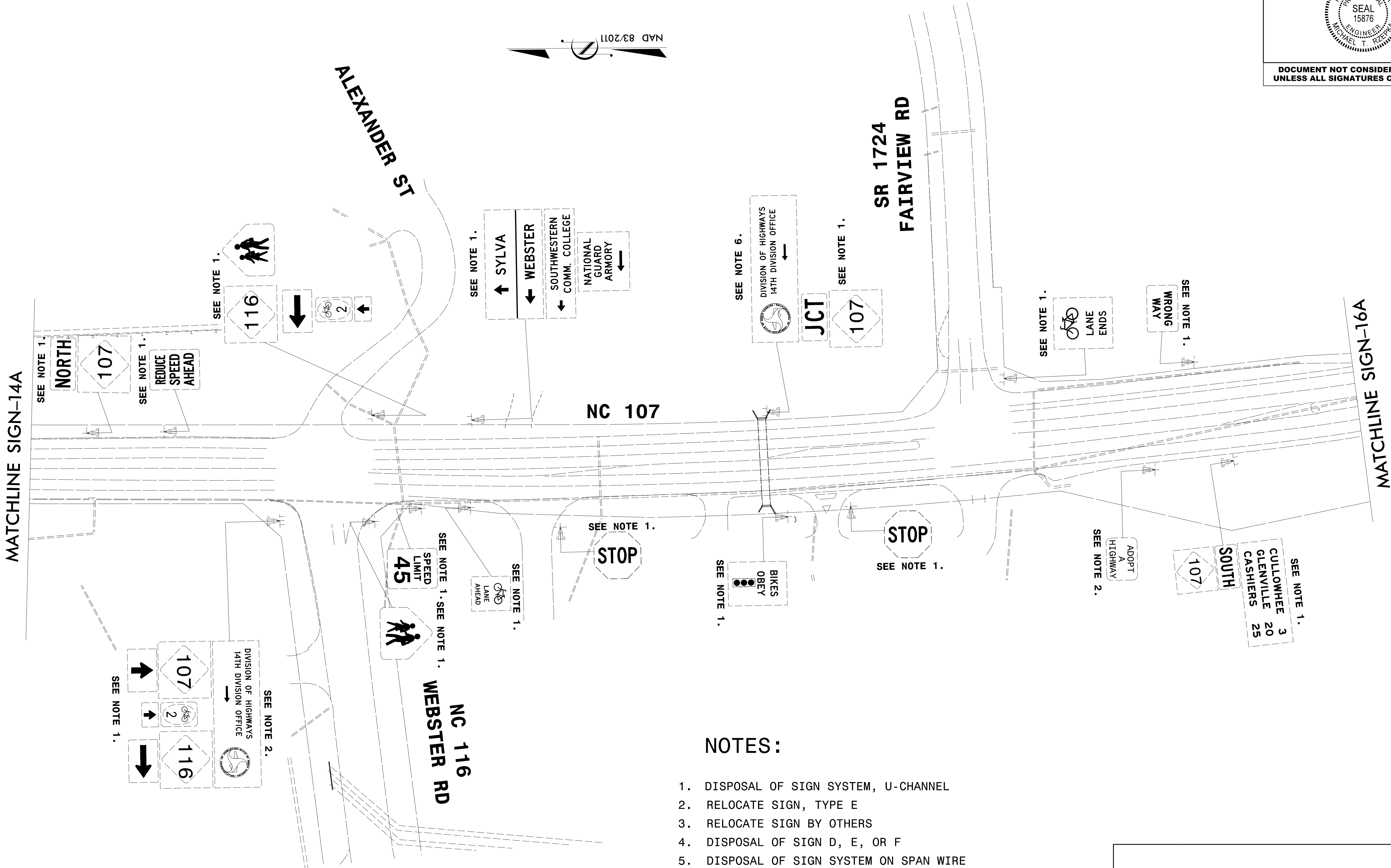
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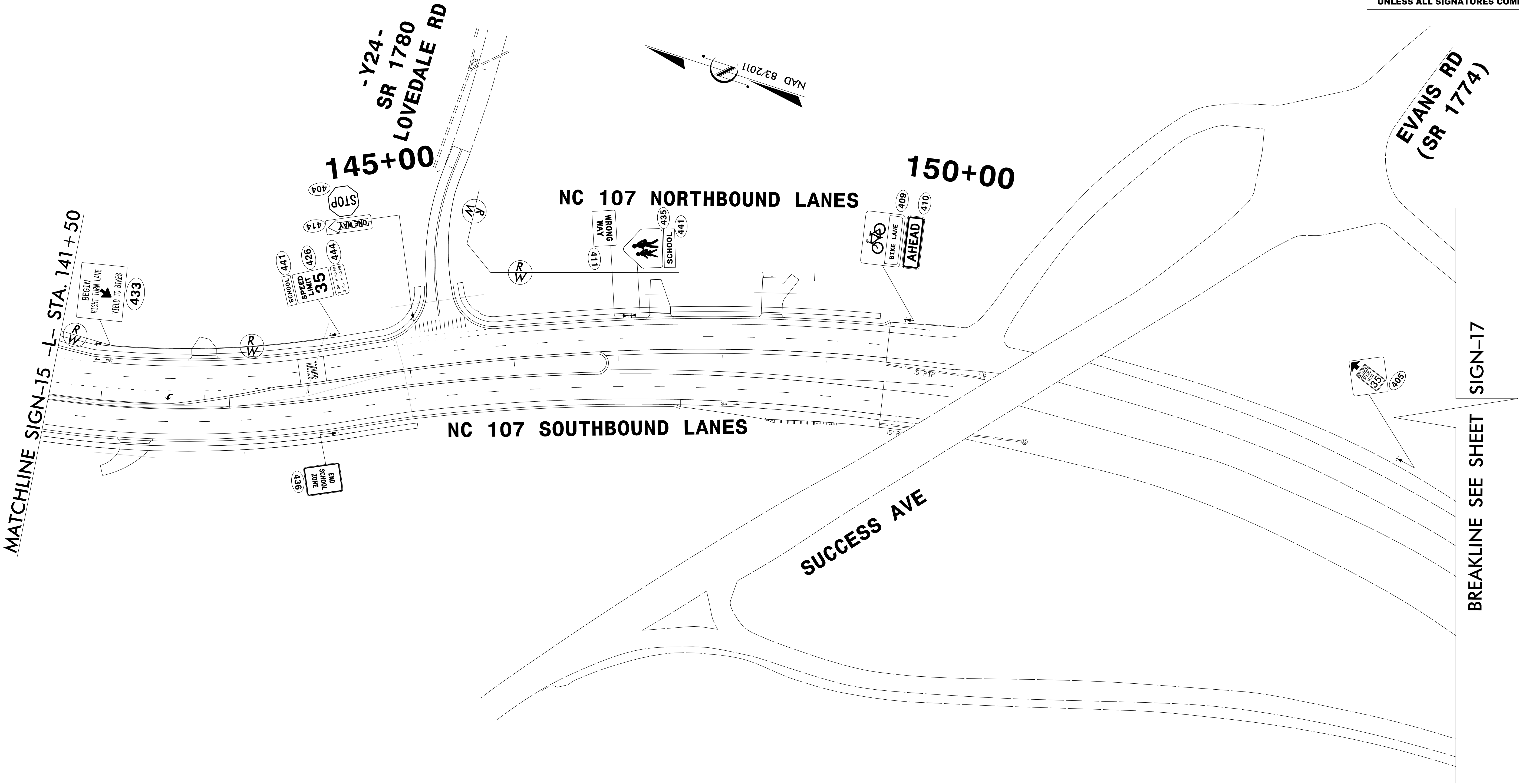
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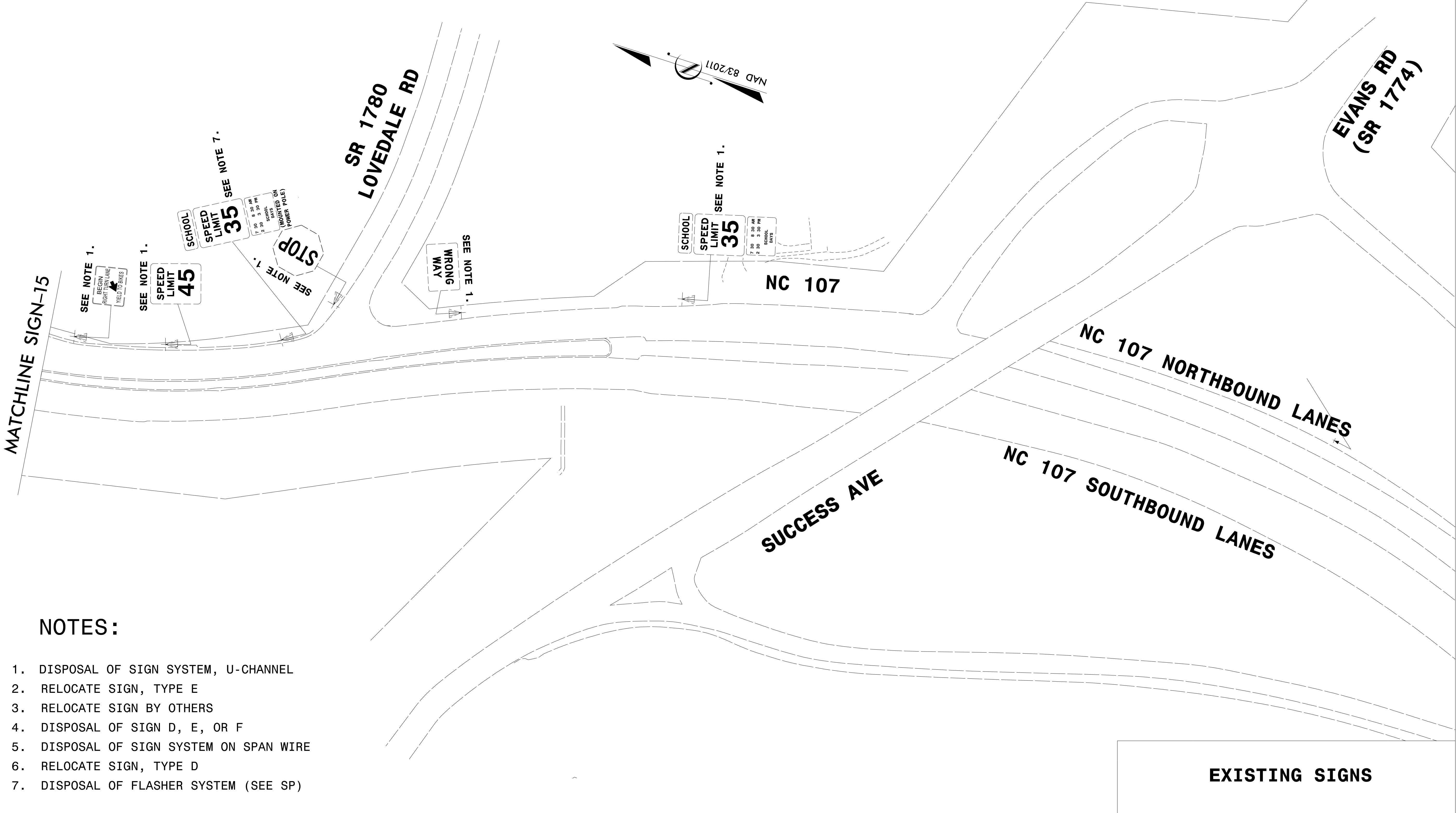


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ENGINEER

MICHAEL T. RZEPKA

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