

T.I.P.: I-6001

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
WAKE/FRANKLIN COUNTIES

LOCATION: US 64 FROM ROLESVILLE ROAD TO FRANKLINNASH COUNTY LINE

TIP NO.
I -6001

SHEET NO.
SIGN-1

APPROVED:

Designed by:
Signature of William J. Hamilton

WILLIAM J. HAMILTON

DATE: 07/10/2025

SEAL

NORTH CAROLINA
PROFESSIONAL
ENGINEER
WILLIAM J. HAMILTON
SEAL
032396

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

THIS PLAN SUPERSEDES PLANS
SIGNED/SEALED ON 05/14/2025

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 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

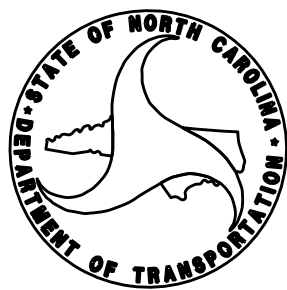
STD. NO.	TITLE
901.10	TYPE "A" SIGNS
901.20	TYPE "B" SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE "A" AND "B" SIGNS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.50	MOUNTING OF TYPE "D", "E", AND "F" SIGNS ON U-CHANNEL POSTS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1,200	L.F.
4102000000	904	SIGN ERECTION, TYPE E	29	EA.
4108000000	904	SIGN ERECTION, TYPE F	5	EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	11	EA.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD)	10	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	29	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	14	EA.
4114000000	904	SIGN ERECTION, MILEMARKERS	26	EA.
4116100000	904	SIGN ERECTION, RELOCATE TYPE D (GROUND MOUNTED)	1	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	87	EA.
4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)	21	EA.
4236000000	907	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)	43	EA.
4238000000	907	DISPOSAL OF SIGN, D, E, OR F	36	EA.
4238500000	907	DISPOSAL OF SIGN, MILEMARKER	7	EA.
4251000000	907	DISPOSAL OF LIGHTING SYSTEM	11	EA.
4263000000	907	DISPOSAL OF WALKWAY	11	EA.
4360000000	SP	CUTTING OF SIGN HANGERS, OVERHEAD	11	EA.

PLAN SUBMITTED TO: NCDOT SIGNING AND DELINEATION UNIT

<u>Mitch Eaton, PE</u>	SIGNING & DELINEATION REGIONAL ENGINEER
<u>Andrew Scott</u>	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



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.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- . 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.

PROJECT NOTES

1. DISPOSAL OF SIGN, A OR B (OVERHEAD)
2. SIGN ERECTION, TYPE A (OVERHEAD)
3. SIGN ERECTION, TYPE B (OVERHEAD)
4. DISPOSAL OF SIGN A OR B (GROUND MOUNTED)
5. SIGN ERECTION, TYPE A (GROUND MOUNTED)
6. SIGN ERECTION, TYPE B (GROUND MOUNTED)
7. DISPOSAL OF SIGN SYSTEM (U-CHANNEL)
8. SIGN ERECTION, TYPE E
9. SIGN ERECTION, TYPE F
10. SIGN ERECTION, MILEMARKERS
11. DISPOSAL OF WALKWAY
12. DISPOSAL OF LIGHTING SYSTEM
13. CUTTING OF SIGN HANGERS, OVERHEAD
14. SIGN ERECTION, RELOCATE TYPE D (GROUND MOUNTED)
15. DISPOSE EXISTING SUPPORT, U-CHANNEL

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-1A-1C	ROADWAY STANDARD DRAWINGS
SIGN-2	TYPES "E" AND "F" SIGN SHEET
SIGN-3-3J	SIGN DESIGNS
SIGN-4-15	SIGNING PLAN SHEETS

PLAN PREPARED BY: Exult Engineering

<u>William J. Hamilton, PE, PTOE</u>	PROJECT ENGINEER
<u>Joshua A. Wendt, EI</u>	PROJECT ENGINEER



NC License
#C-4445

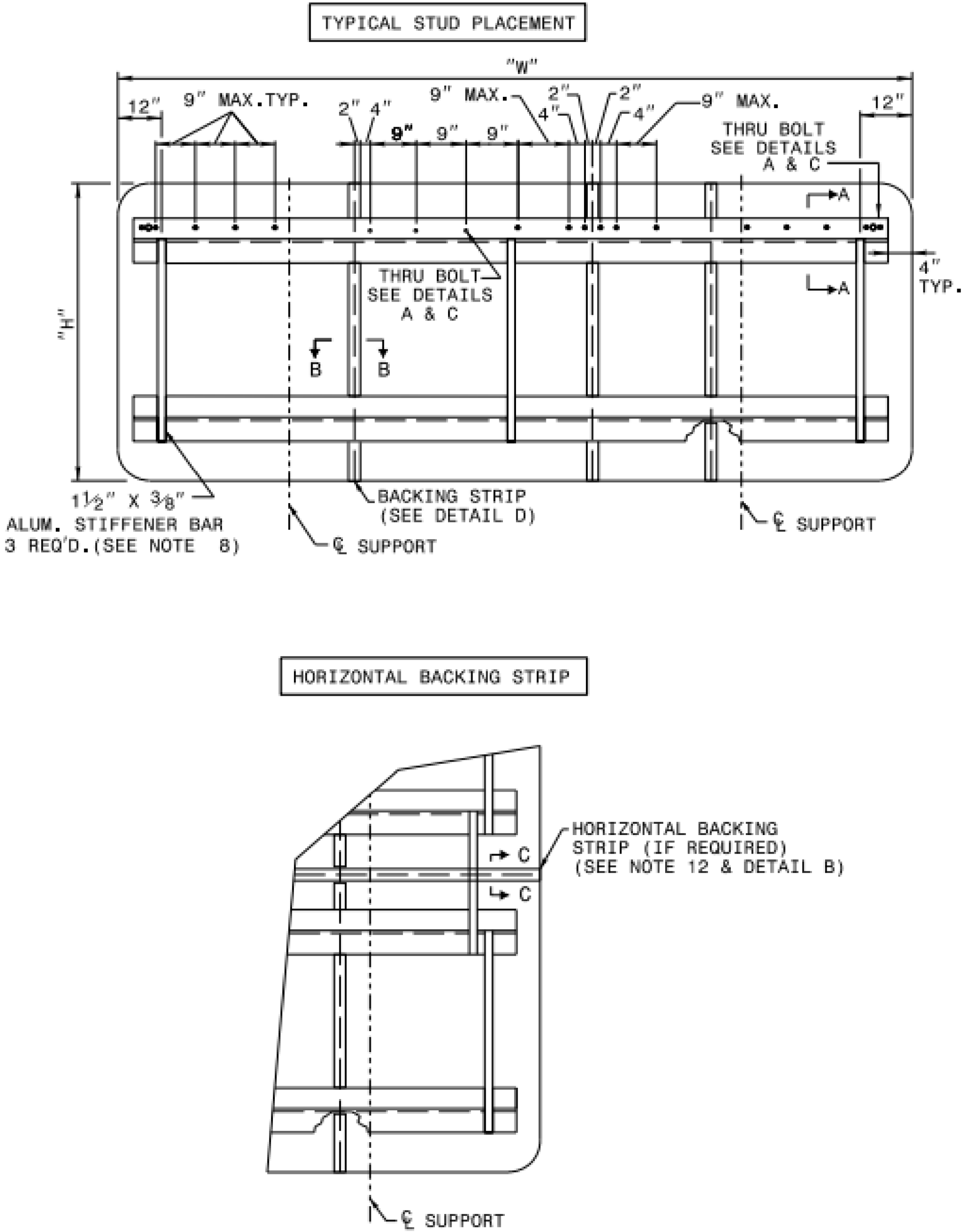
304-F W. Millbrook Rd
Raleigh, NC 27609
984.500.5426
www.exultengineering.com

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

2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'A' SIGNS
WELDED STUD CONSTRUCTION

SHEET 1 OF 2
901D10



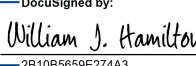
- NOTES:
- USE THE NUMBER AND SIZE OF SUPPORTS SHOWN ON THE SUPPORT CHART IN PROJECT PLANS.
 - FABRICATE SIGN PANEL SECTIONS WITH SHEETS 4'-0" WIDE. WHEN FABRICATING SIGNS WHICH ARE NOT MULTIPLES OF 4'-0" IN WIDTH, DO NOT CUT MORE THAN TWO SHEETS TO LESS THAN 4'-0" IN WIDTH. THESE PANELS SHALL NOT BE LESS THAN 1'-0" IN WIDTH.
 - SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, FOR TYPE OF MATERIAL TO BE USED FOR SIGN PANELS, HANGER ASSEMBLIES, AND SUPPORTS.
 - USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS.
 - SEE ROADWAY STANDARD 904.20 WHEN TYPE "B" SECONDARY SIGN MOUNTING IS REQUIRED.
 - DETAILS FOR TYPE "A" SECONDARY SIGNS SHALL BE THE SAME AS FOR TYPE "A" SIGNS.
 - THE VERTICAL DIMENSION BETWEEN PRIMARY AND SECONDARY SIGNS IS TWO (2) INCHES.
 - ADJUST STIFFENERS TO AVOID CONFLICT WITH SUPPORTS.
 - SEE ROADWAY STANDARD 901.70 FOR SUPPORT AND "Z" BAR SPACING.
 - FABRICATE SIGNS TALLER THAN 12'-0" AS TWO SEPARATE SIGNS WITH A HORIZONTAL SPLICE. LOCATE STRINGERS ON EACH SECTION OF THE SIGN BY THE SIGN STRINGER CHART. (SEE ROADWAY STANDARD 901.70)
 - FABRICATE SIGNS TALLER THAN 12'-0" BUT SHORTER THAN 14'-6" WITH A HORIZONTAL SPLICE LOCATED 7'-0" FROM BOTTOM OF SIGN.
 - FABRICATE SIGNS 14'-6" TALL AND TALLER WITH A HORIZONTAL SPLICE. LOCATE THE SPLICE AT LEAST HALF OF THE SIGN HEIGHT FROM THE BOTTOM AND AT LEAST 7'-0" FROM THE TOP.
 - THERE SHALL ONLY BE A 1/8" GAP BETWEEN THE VERTICAL BACKING STRIP AND THE "Z" BAR.
 - SEE ROADWAY STANDARD 901.80 FOR DETAILS SHOWING SIGN MOUNTING TO SUPPORTS.
 - PLACE NYLON WASHER UNDER HEAD OF 3/8" THRU BOLTS.
 - FABRICATE EACH SIGN WITH 3/8" DIA. THRU BOLT, 4" FROM EACH END OF EACH "Z" BAR THRU SIGN PANEL AND "Z" BAR. SEE DETAILS A & C.
 - FABRICATE EACH SIGN WITH 3/8" DIA. THRU BOLT CENTERED IN EACH PANEL THRU THE TOP AND BOTTOM "Z" BAR. CENTERED THRU BOLT REQUIRED IN END PANELS GREATER THAN 2'-0" WIDE. SEE DETAILS A & C.
 - THRU BOLTS WILL HAVE A MINIMUM 1/16" TO MAXIMUM 1/8" GAP

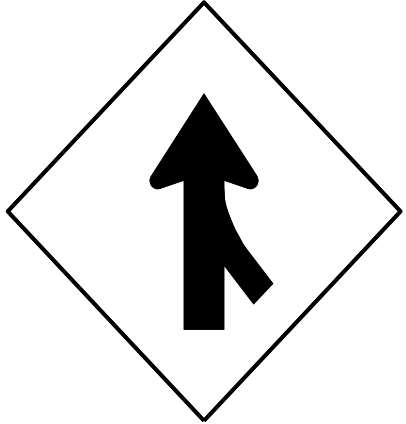
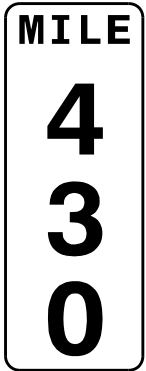
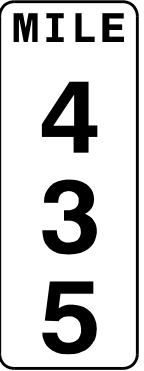
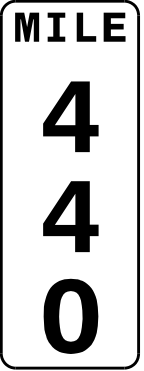
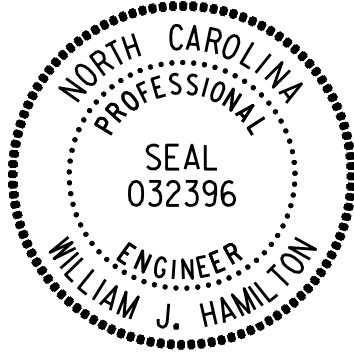
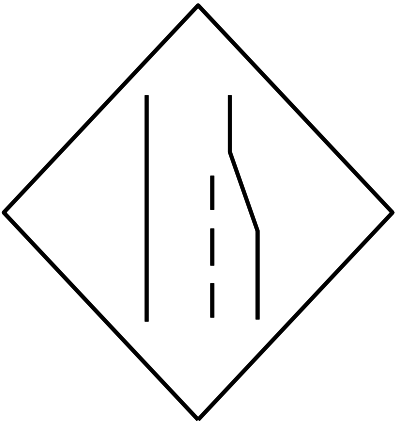
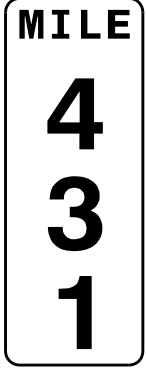
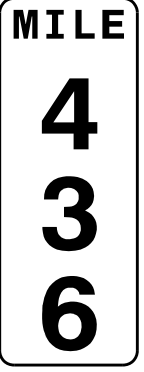
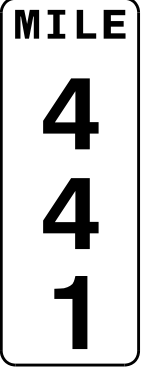
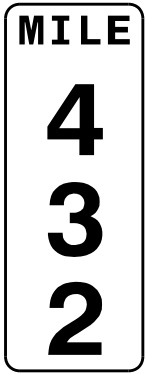
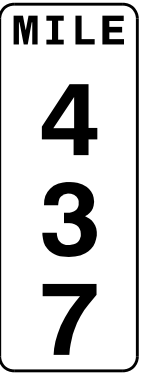
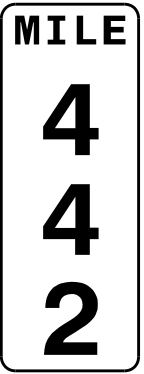
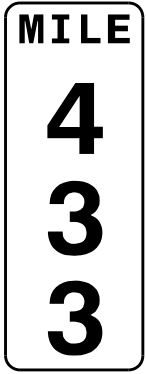
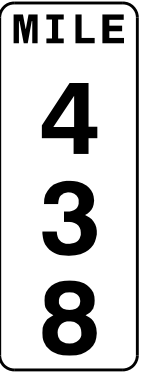
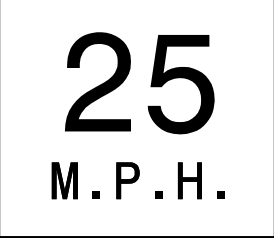
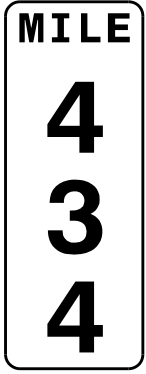
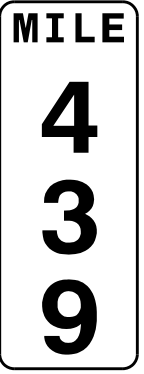
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'A' SIGNS
WELDED STUD CONSTRUCTION

SHEET 1 OF 2
901D10

TIP NO. I-6001	SHEET NO. SIGN-1A
APPROVED:  Developed by: William J. Hamilton 05/08/2022/NA3	
DATE: 07/10/2025	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025	

401 QUANTITY REQ'D .11  48" X 48" W4-1 (R) TWO "U" POSTS PER SIGN	406 QUANTITY REQ'D .4  12" X 18" R7-1 ONE "U" POST PER SIGN	501 QUANTITY REQ'D .3  24" X 12" M3-4  30" X 24" M1-4 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	TIP NO. I-6001 SHEET NO. SIGN-2 APPROVED: DocuSigned by: William J. Hamilton 25185600E27443 DATE: 07/10/2025 SEAL  DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
402 QUANTITY REQ'D .4  48" X 48" W4-2(R) TWO "U" POSTS PER SIGN	407 QUANTITY REQ'D .1  48" X 48" W8-13 ONE "U" POST PER SIGN	502 QUANTITY REQ'D .2  24" X 12" M3-2  30" X 24" M1-4 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	 THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025
403 QUANTITY REQ'D .1  36" X 36" W1-2(R) TWO "U" POSTS PER SIGN			QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	
404 QUANTITY REQ'D .8  48" X 60" R2-1 TWO "U" POSTS PER SIGN			QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN		
405 QUANTITY REQ'D .1  36" X 48" W13-2  TWO "U" POSTS PER SIGN			QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN		TYPE "E", "F", AND MILEMARKER SIGNS

[illegible][illegible]

SIGN DESIGNS

SIGN NUMBER: 6B
TYPE: A (OH)
QUANTITY: 1
SIGN WIDTH: 14'-6"
HEIGHT: 12'-0"
TOTAL AREA: 174.01 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 166.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
M1_4
47.16
72.1
36
36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
B U S I N E S S
20.28 32.64 45.36 58.08 63.84 76.92 87.96 100.32
EM 2000
89.76
W E S T
98.16 116.22 126.9 137.94
E 2000
48.78
K n i g h t d a l e
18.36 35 51.96 68.12 77.08 92.44 104.44 119.96 136.92 145.08
EM 2000
137.28
3/4 M I L E
54.46 89.44 101.44 105.84 115.04
E 2000
68.08
FILENAME: I-6001_SIGN_DSGN
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 7B
TYPE: A (OH)
QUANTITY: 1
SIGN WIDTH: 13'-6"
HEIGHT: 6'-0"
TOTAL AREA: 81 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 2
LENGTH: 154.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
R o l e s v i l l e
19.88 35.72 51.56 59.72 73.48 87.24 104.2 113.8 123.4 131.56
EM 2000
122.24
I M I L E
57.95 70.95 82.95 87.35 96.55
E 2000
46.1
FILENAME: I-6001_SIGN_DSGN
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 8A, 11A
TYPE: B (OH)
QUANTITY: 2
SIGN WIDTH: 9'-6"
HEIGHT: 2'-6"
TOTAL AREA: 23.76 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 2
LENGTH: 106.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
E X I T 4 3 5
12.68 21.58 32.28 35.78 58.28 74.93 89.18
E 2000
88.65
FILENAME: I-6001_SIGN_DSGN
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 8B
TYPE: A (OH)
QUANTITY: 1
SIGN WIDTH: 14'-6"
HEIGHT: 15'-0"
TOTAL AREA: 217.51 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 6
LENGTH: 166.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
M1_4
52.92 108.5 36 36
M1-5-2-36-15C
110.21 108.5 36 36
AR_Type A
59.02 6.6 20 31.5

MAT'L: 0.125" (3.2 mm) ALUMINUM

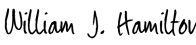
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Feb 19, 2025
DIV: 5

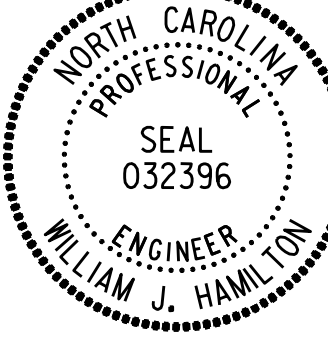
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
B U S I N E S S
27.78 39.9 52.02 64.14 69.42 82.26 92.94 104.34
EM 2000
86.28
Z e b u l o n
39.03 54.87 70.39 85.91 102.87 111.03 126.87
EM 2000
98.4
O x f o r d
48.23 65.03 81.19 91.43 107.27 117.67
EM 2000
80
E X I T
20.3 38.98 43.82 48.02
E 2000
36.72
O N L Y
105.82 118.66 131.5 141.46
E 2000
47.88
FILENAME: I-6001_SIGN_DSGN
NORTH CAROLINA D.O.T. SIGN DETAIL

TIP NO.
I-6001

SHEET NO.
SIGN-3B

APPROVED: 
DATE: 07/10/2025

SEAL


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



THIS PLAN SUPERSEDES PLANS
SIGNED/SEALED ON 05/14/2025

DATE: 07/10/2025

A circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "WILLIAM J. HAMILTON" at the bottom. The inner ring contains the text "PROFESSIONAL" at the top and "ENGINEER" at the bottom. In the center, it reads "SEAL" and "032396".



THIS PLAN SUPERSEDES PLANS
SIGNED/SEALED ON 05/14/2025

[illegible]

SIGN NUMBER: 10A TYPE: B (OH) QUANTITY: 1 SIGN WIDTH: 9'-6" HEIGHT: 2'-6" TOTAL AREA: 23.76 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 2 LENGTH: 106.0	BACKG COLOR: Green COPY COLOR: White <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT																																				DESIGN BY: SOW PROJECT ID: I-6001 CHECKED BY: WJH LOCATION: Feb 19, 2025 DIV: 5
SYMBOL	X	Y	WID	HT																																						

Diagram showing the sign dimensions and text: **EXIT 436**. The sign is 9'-6" wide and 2'-6" high. The text 'EXIT' is 12.5" high and 2.5" wide. The number '436' is 12.4" high and 89.1" wide. The sign is mounted on a 2" thick panel.

USE NOTES: 1,2

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

Spacing Factor is 1 unless specified otherwise

Letter locations are panel edge to lower left corner															Series/Size Text Length
E	X	I	T	4	3	6									E 2000 89.1
12.45	21.35	32.05	35.55	58.05	74.7	89.4									

FILENAME: I-6001_SIGN_DSN
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 108	BACKG COLOR: Green	DESIGN BY: SDW	CHECKED BY: WJH	May 13, 2025
TYPE: A (QH)	COPY COLOR: White	PROJECT ID: I-6001	LOCATION:	DIV: 5

QUANTITY: 1	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td>M1_4</td><td>32.7</td><td>101.3</td><td>45</td><td>36</td></tr> <tr><td>M1=5~2~36~15C</td><td>97.4</td><td>101.3</td><td>36</td><td>36</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	SYMBOL	X	Y	WID	HT	M1_4	32.7	101.3	45	36	M1=5~2~36~15C	97.4	101.3	36	36																															EAST TO 264 97 Wilson Greenville 1/2 MILE
SYMBOL	X	Y	WID	HT																																											
M1_4	32.7	101.3	45	36																																											
M1=5~2~36~15C	97.4	101.3	36	36																																											
SIGN WIDTH: 14'-0"	TOTAL AREA: 210 Sq.Ft.																																														
HEIGHT: 15'-0"																																															
BORDER TYPE: FLUSH																																															
RECESS: 0"																																															
WIDTH: 2"																																															
RADII: 12"																																															
NO. Z BARS: 6	MAT'L: 0.125" (3.2 mm) ALUMINUM																																														
LENGTH: 160.0																																															

USE NOTES: 1,2,3

- 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.
- 3.Shields; A, B, and C type arrows shall be on 0.032"(0.8mm) aluminum with Grade C reflective sheeting and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are string start to lower left corner															Series/Size	Text Length	
		E	A	S	T											E 2000	46.375
32.7	O	31.41	45.0	56.0												E 2000	23.3
		T	O														
104.1	O	10.7															
		W	i	l	s	o	n									EM 2000	78.7
44.6	O	20.8	30.4	38.25	52.3	68.2										EM 2000	127.8
		G	r	e	e	n	v	i	l	l	e						
20.1	O	17.8	28.2	42.25	57.75	73	90	99.5	109.13	117.3							
		1/2	M	I	L	E										E 2000	65.1
51.5	O	O	D	12	16.4	25.6											

FILENAME: I-6001_SIGN_DSGS
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: _____ TYPE: A (OH) QUANTITY: 1 SIGN WIDTH: 15'-0" HEIGHT: 17'-0" TOTAL AREA: 255.01 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADI: 12" NO. Z BARS: 6 LENGTH: 172.0	BACK NUMBER: _____ COPY COLOR: Green White DESIGN BY: SOW PROJECT ID: I-6001	CHECKED BY: WJH LOCATION: _____ DATE: Feb 19, 2023 DIV: 5
--	---	--

USE NOTES: 1,2,3,4

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner															Series/Size	Text Length
B	U	S	I	N	E	S	S									E 2000
30.78	42.9	55.02	67.14	72.42	85.26	95.94	107.34									86.28
Z	e	b	u	l	o	n										EM 2000
42.03	57.87	73.39	88.91	105.87	114.03	129.87										98.4
O	x	f	o	r	d											EM 2000
51.23	68.03	84.19	94.43	110.27	120.67											80
1/2	M	I	L	E												E 2000
58.69	70.66	102.66	107.06	116.26												65.08
E	X	I	T													EM 2000
19.64	30.2	43.16	47.72													36.96
O	N	L	Y													EM 2000
112.6	125.56	138.64	148.24													47.76

FILENAME: I-6001_SIGN_DSGNS NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS

SIGN NUMBER: 201
TYPE: A
QUANTITY: 1
SIGN WIDTH: 6'-6"
HEIGHT: 5'-0"
TOTAL AREA: 32.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1-1/2"
RADII: 6"
NO. Z BARS: 2
LENGTH: 70.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
AR_Type A
49.1
6
18.25
29.25

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
May 06, 2025
DIV: 5

5'-0"
1'-1"
18"
31"
6'-6"
11"
61"
6"
9'-12"
10"
23"
6"

EXIT
14
↗

BORDER
R=6 in
TH=1.5 in

Spacing Factor is 2.25 for "EXIT"
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are string start to lower left corner
Series/Size
Text Length
E 2000
45
E 2000
25.375
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSNS2

SIGN NUMBER: 101
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 8'-0"
TOTAL AREA: 96 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 136.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
M1_4
23.31
16.85
36
36
M1_4
80.88
16.85
45
36

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

8'-0"
12"
19.8"
64.2"
12'-0"
18.1"
107.8"
16.1"
16.85"
15"
11.3"
36"
16.85"

EAST EAST
64 264

BORDER
R=12"
TH=2"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
E 2000
46.38
E 2000
46.38
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSNS

SIGN NUMBER: 102
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 6'-6"
TOTAL AREA: 78 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 10"
NO. Z BARS: 2
LENGTH: 136.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
M1_4
23.31
16.85
36
36
M1_4
80.88
16.85
45
36

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

6'-6"
10"
17"
61"
12'-0"
10.35"
123.3"
10.35"
11.15"
13.33"
10"
13.33"
10.7"
11.5"
11.5"
11.5"
11.5"

East Wake
High School
EXIT 14

BORDER
R=10"
TH=2"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
EM 2000
183.84
EM 2000
123.3
E 2000
54.25
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSNS

SIGN NUMBER: 103B, 108B
TYPE: A
QUANTITY: 2
SIGN WIDTH: 11'-0"
HEIGHT: 6'-6"
TOTAL AREA: 71.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 10"
NO. Z BARS: 2
LENGTH: 124.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
M1_4
23.31
16.85
36
36
M1_4
80.88
16.85
45
36

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

6'-6"
10"
17"
61"
11'-0"
18.9"
94.2"
18.9"
11.15"
13.33"
10"
13.33"
10.7"
11.5"
11.5"
11.5"
11.5"

Wendell
1 MILE

BORDER
R=10"
TH=2"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
EM 2000
94.24
E 2000
52.6
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSNS

TIP NO.
I-6001

SHEET NO.
SIGN-3D

APPROVED:

Desigined by:
William J. Hamilton
30108888237143

DATE: 07/10/2025

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
032396
ENGINEER
WILLIAM J. HAMILTON

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

EXULT
ENGINEERING

THIS PLAN SUPERSEDES PLANS
SIGNED/SEALED ON 05/14/2025

SIGN NUMBER: 103A,105A,106A,108A
TYPE: B
QUANTITY: 4
SIGN WIDTH: 9'-6"
HEIGHT: 2'-6"
TOTAL AREA: 23.76 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 10"
NO. Z BARS: 2
LENGTH: 106.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

BORDER
R=3.25"
TH=2"

9'-6"
12.65"
88.7"
12.65"

10"
10"
10"
10"

7.5"
15"
7.5"

EXIT 432

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
E 2000
12.68 21.58 32.28 35.78 58.28 74.93 89.18
88.65
FILENAME: I-6001_SIGN_DSN6
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 104
TYPE: B
QUANTITY: 1
SIGN WIDTH: 9'-1"
HEIGHT: 3'-6"
TOTAL AREA: 31.79 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.75"
RADII: 7"
NO. Z BARS: 2
LENGTH: 101.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

BORDER
R=7"
TH=1.75"

9'-1"
9.75"
89.5"
9.75"

10"
8"
6"
8"
10"

Raleigh 16
Pittsboro 47

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
EM 2000
89.5
EM 2000
89.5
FILENAME: I-6001_SIGN_DSN6
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 105B, 106B
TYPE: A
QUANTITY: 2
SIGN WIDTH: 11'-0"
HEIGHT: 7'-0"
TOTAL AREA: 77 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 11"
NO. Z BARS: 2
LENGTH: 124.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
AR_Type A 56.88 18.04 16 25.2

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

BORDER
R=11"
TH=2"

7'-0"
18.9"
94.2"
18.9"

18.04"
16"
12.08"
19.84"
18.04"

Wendell ↗

USE NOTES: 1, 2, 3
1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum with Grade A reflective sheeting and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
EM 2000
94.24
FILENAME: I-6001_SIGN_DSN6
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 202, 203
TYPE: A
QUANTITY: 2
SIGN WIDTH: 8'-0"
HEIGHT: 5'-0"
TOTAL AREA: 40 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1-1/2"
RADII: 6"
NO. Z BARS: 2
LENGTH: 88.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
AR_Type A 67 6 18.25 29.25

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
May 06, 2025
DIV: 5

BORDER
R=6 in
TH=1.5 in

5'
11"
18"
31"
6"
84"
6"

8'
9'
12'
10"
23"
6"

EXIT 432 ↗

USE NOTES: 1, 2, 3
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.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable.

Spacing Factor is 2.25 for "EXIT"
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are string start to lower left corner
Series/Size
Text Length
E 2000
45
E 2000
51.7
FILENAME: I-6001_SIGN_DSN62
NORTH CAROLINA D.O.T. SIGN DETAIL

TIP NO.
I-6001

SHEET NO.
SIGN-3E

APPROVED:

Desigined by:
William J. Hamilton
-2858589297453

DATE: 07/10/2025

SEAL

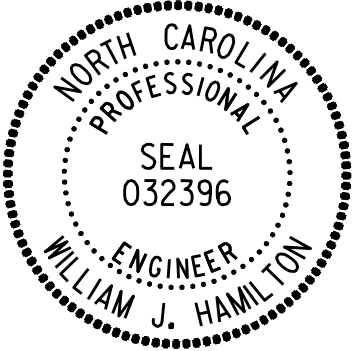
NORTH CAROLINA
PROFESSIONAL
SEAL
032396
ENGINEER
WILLIAM J. HAMILTON

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

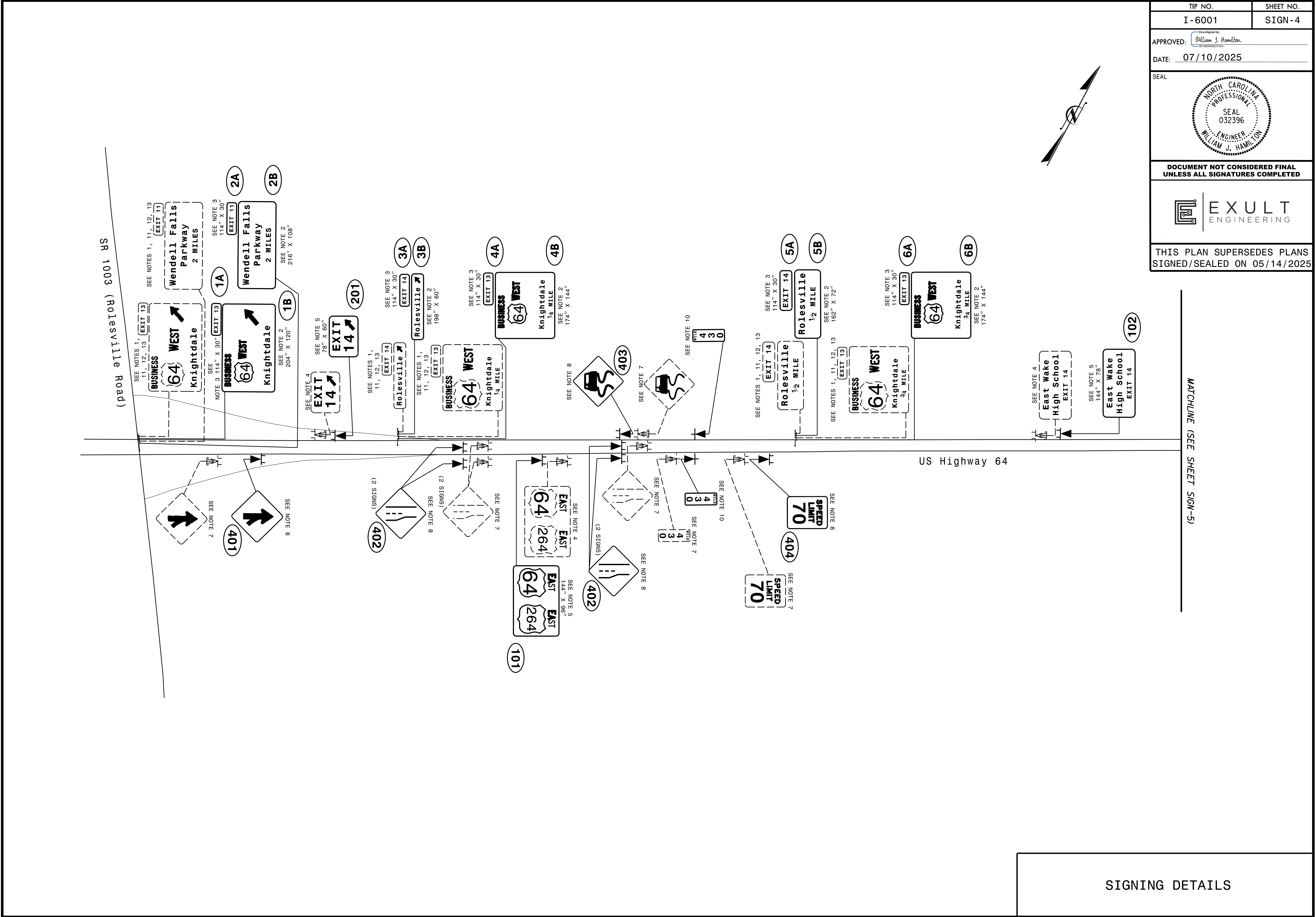
EXULT
ENGINEERING

THIS PLAN SUPERSEDES PLANS
SIGNED/SEALED ON 05/14/2025

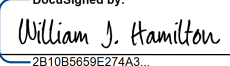
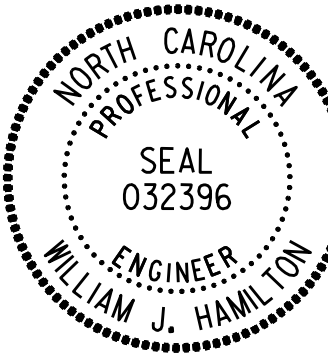
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TIP NO.		SHEET NO.	
I - 6001		SIGN - 3H	
Designed by: <i>William J. Hamilton</i> (301)806-9171 (FLA)			
APPROVED:			
DATE:		07/10/2025	
SEAL			
			
DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES COMPLETED			
 EXULT ENGINEERING			
THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025			

SIGN DESIGNS

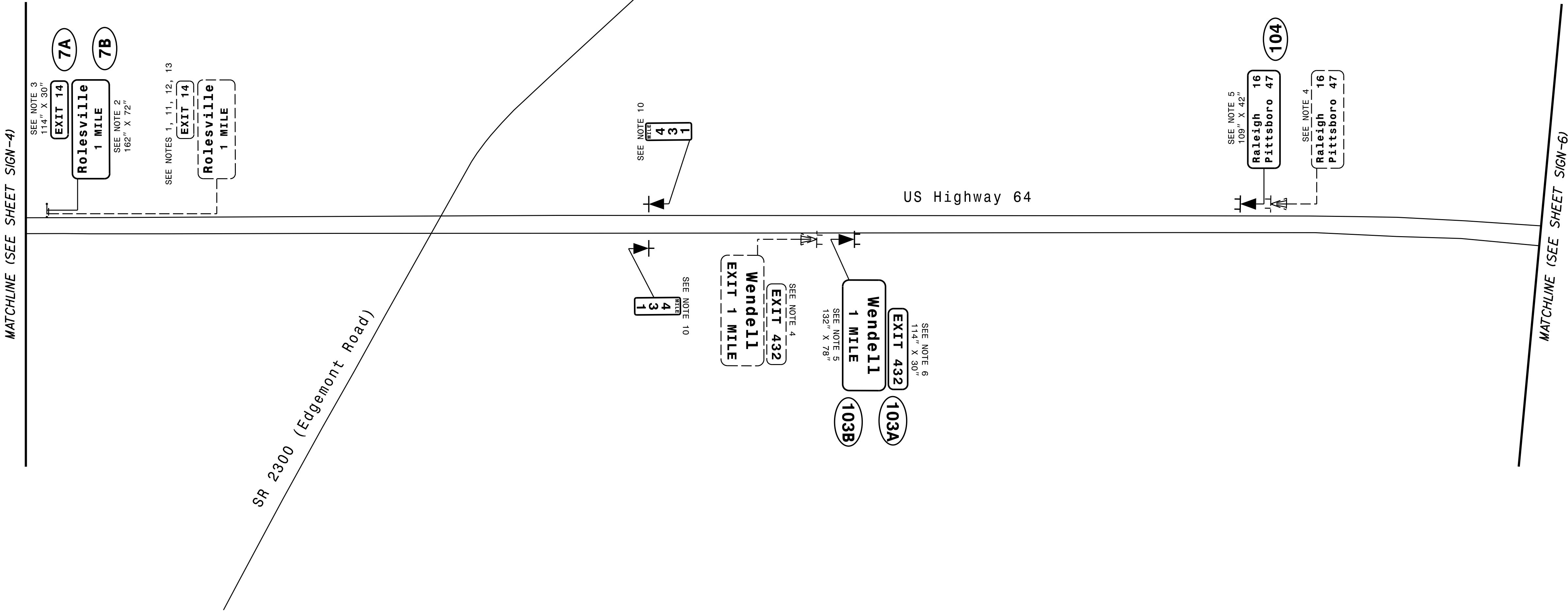
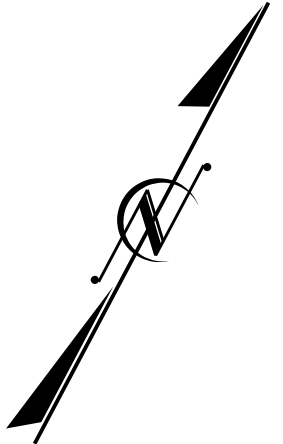


SIGNING DETAILS

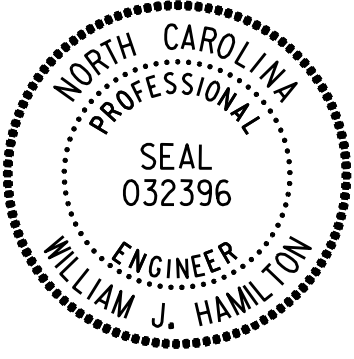
TIP NO. I - 6001	SHEET NO. SIGN - 4
APPROVED:  20250807PAX	
DATE: 07/10/2025	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025	

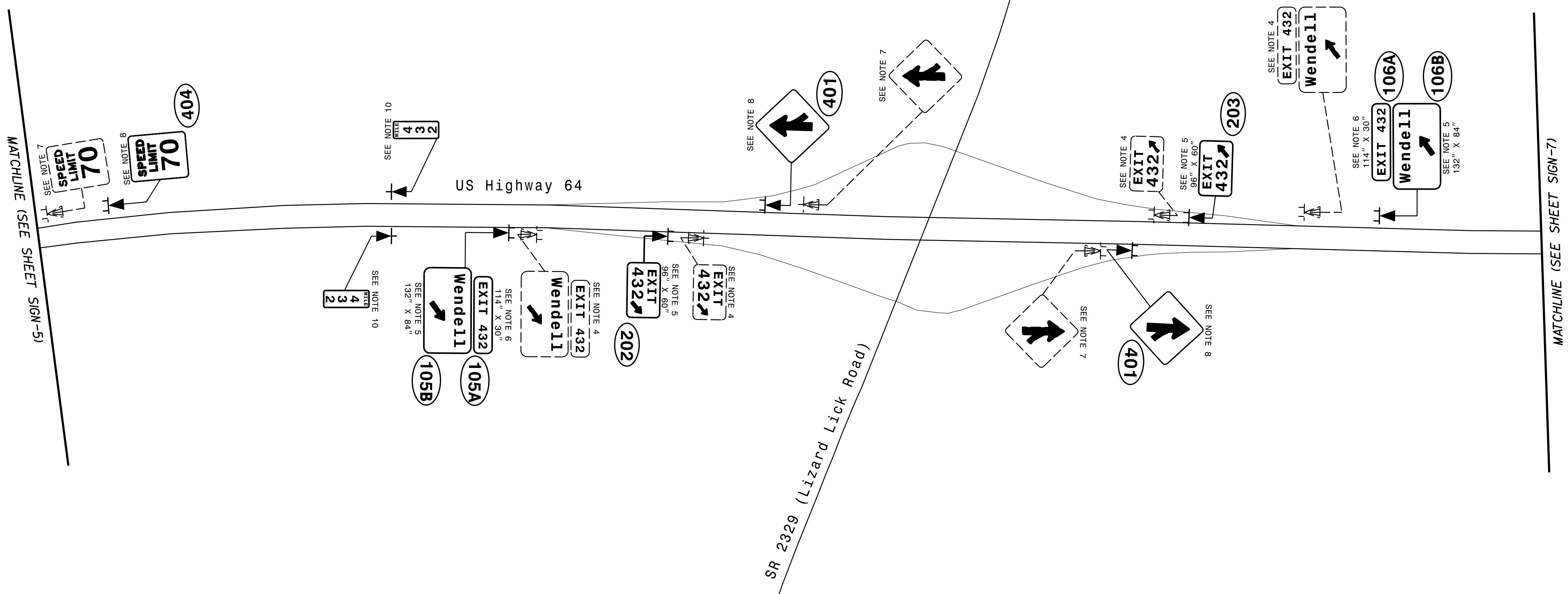
MATCHLINE (SEE SHEET SIGN-5)

TIP NO.	SHEET NO.
I - 6001	SIGN-5
APPROVED: DESIGNED BY: <i>William J. Hamilton</i> SEAL: 032396 ENGINEER WILLIAM J. HAMILTON	
DATE: 07/10/2025	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
EXULT ENGINEERING	
THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025	

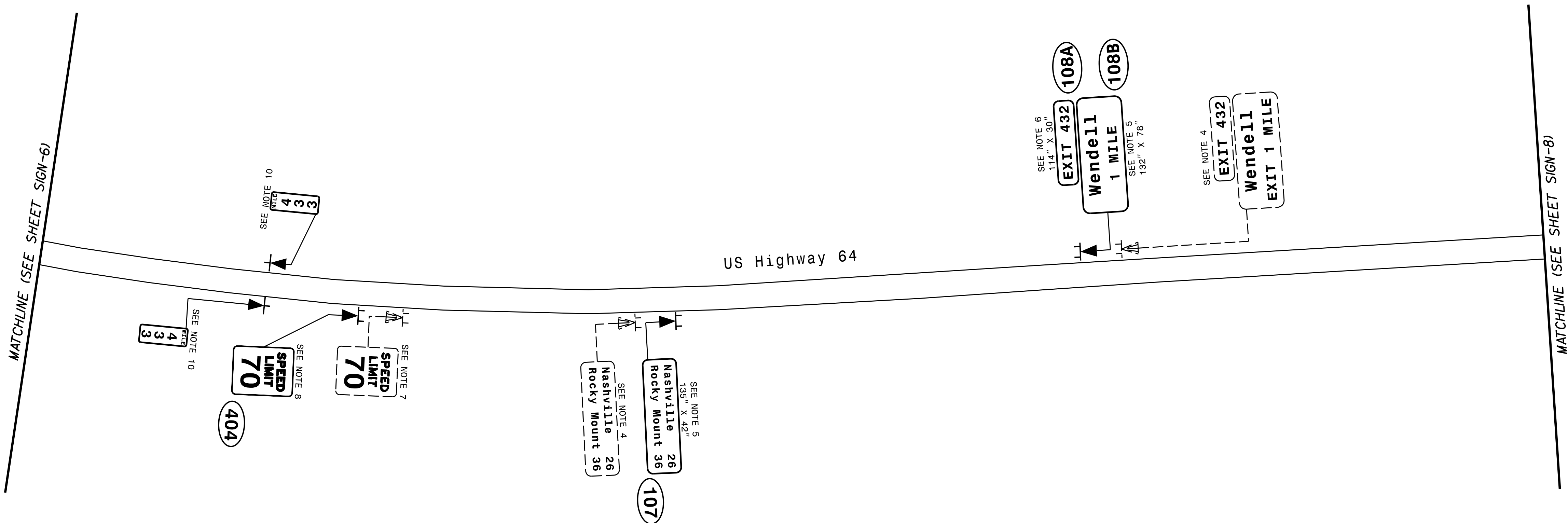


SIGNING DETAILS

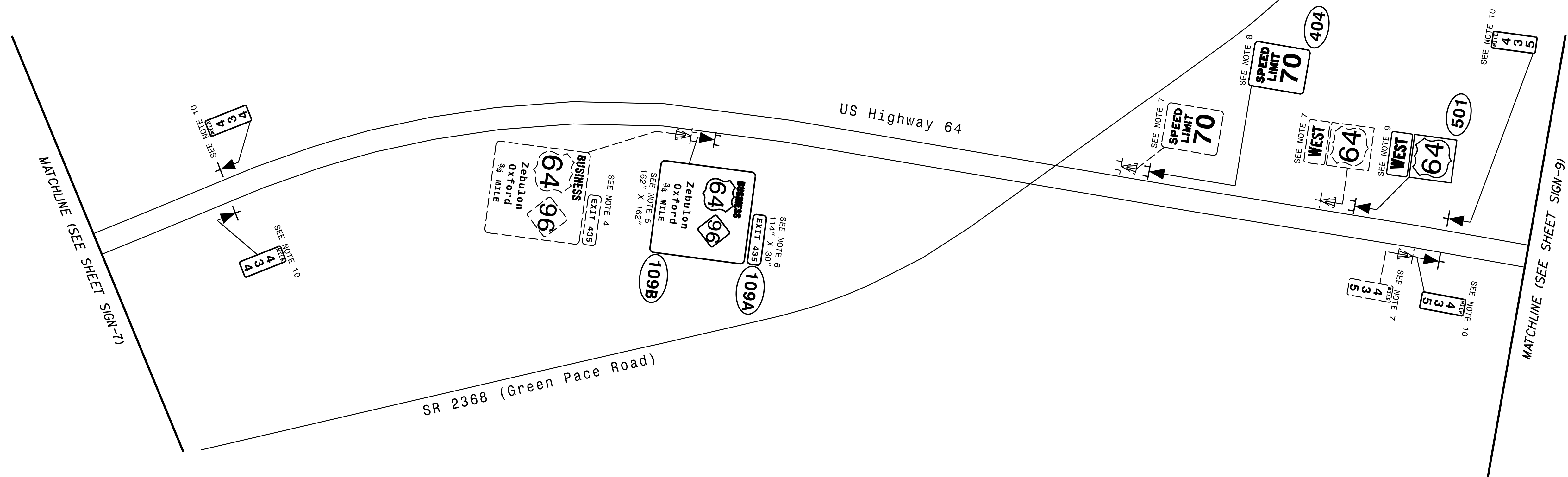
TIP NO.		SHEET NO.	
I - 6001		SIGN-6	
APPROVED: (Stylized by:) <i>William J. Hamilton</i> an independent judge			
DATE: 07/10/2025			
SEAL			
			
DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES COMPLETED			
			
THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025			



SIGNING DETAILS

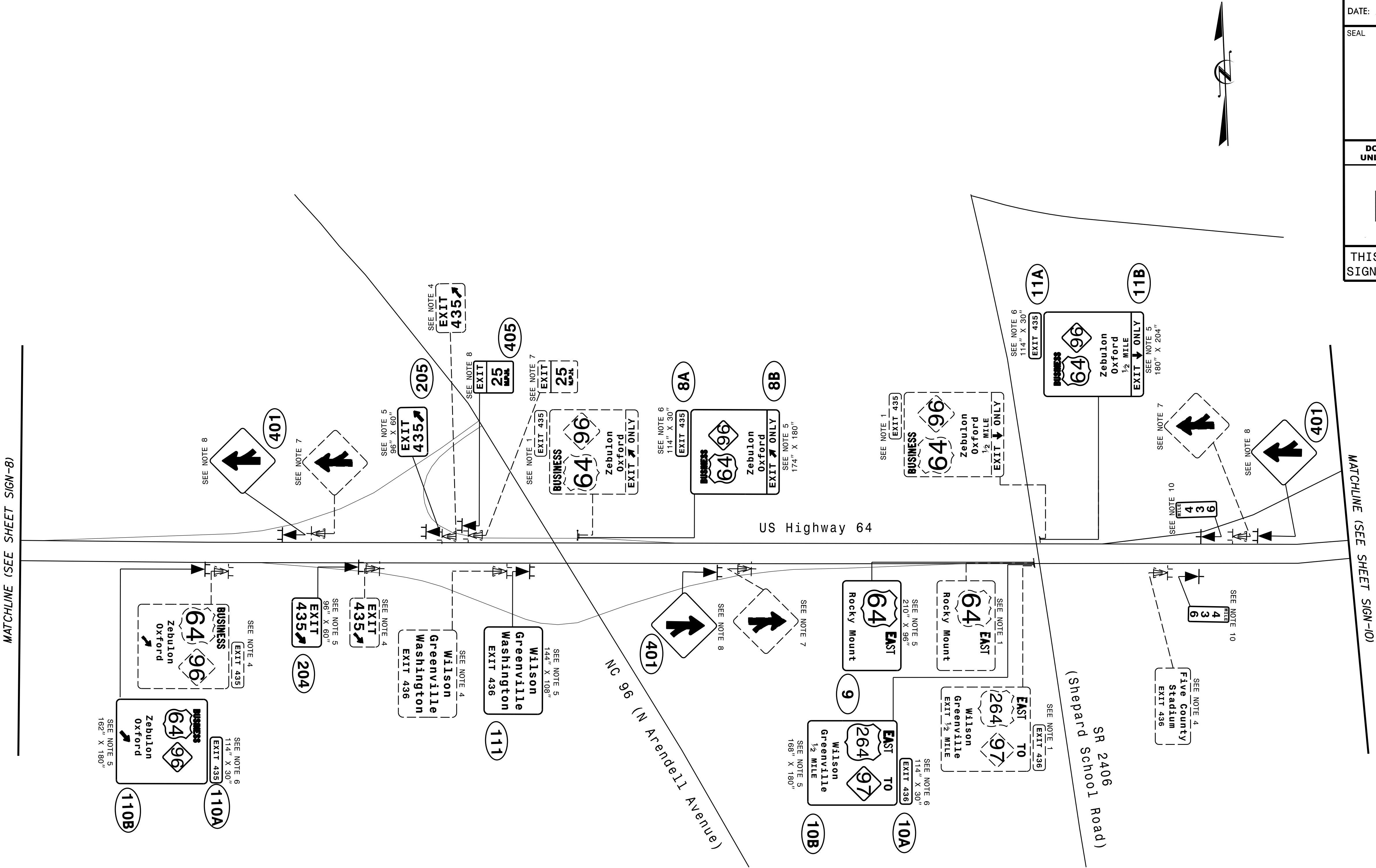


SIGNING DETAILS



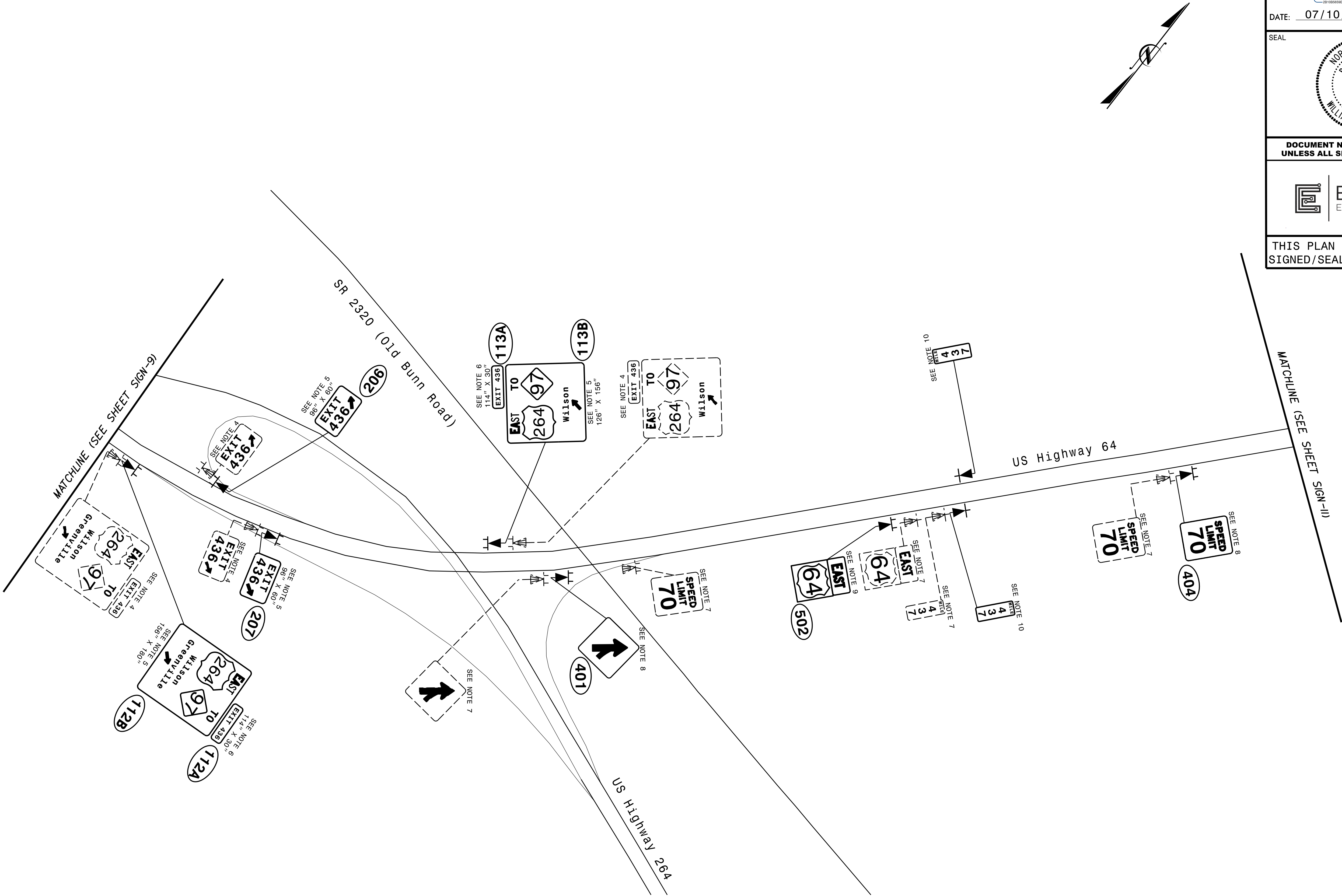
SIGNING DETAILS

TIP NO.	SHEET NO.
I - 6001	SIGN-9
APPROVED: Designed by: <i>William J. Hamilton</i> 05/10/2025 09:52 AM	
DATE: 07/10/2025	
SEAL NORTH CAROLINA PROFESSIONAL ENGINEER WILLIAM J. HAMILTON SEAL 032396	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 EXULT ENGINEERING	
THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025	



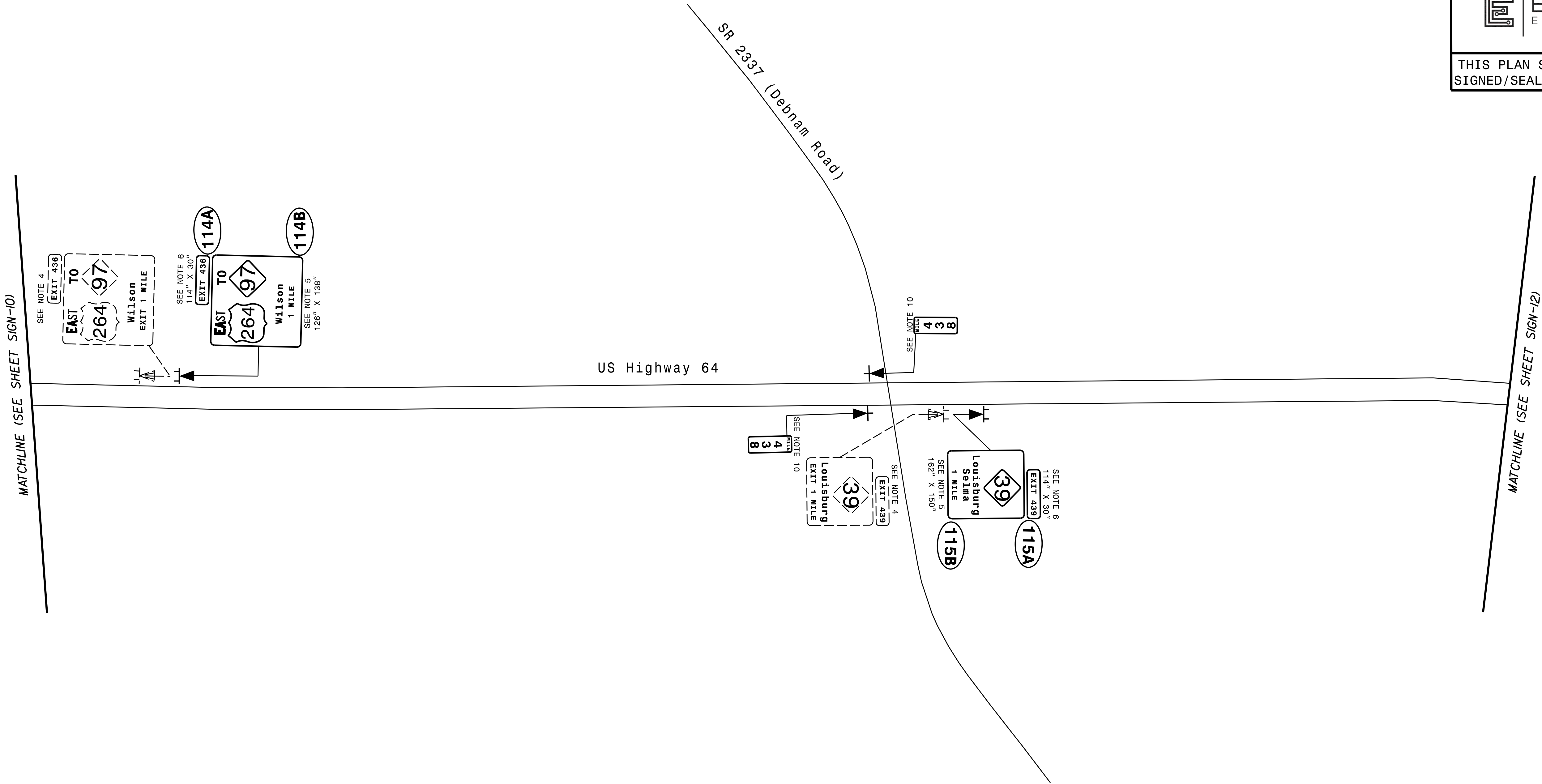
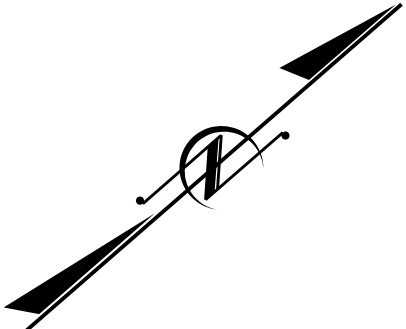
SIGNING DETAILS

TIP NO.	SHEET NO.
I-6001	SIGN-10
APPROVED: Designed by: <i>William J. Hamilton</i> 2510555027443	
DATE: 07/10/2025	
SEAL NORTH CAROLINA PROFESSIONAL ENGINEER WILLIAM J. HAMILTON SEAL 032396	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 EXULT ENGINEERING	
THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025	

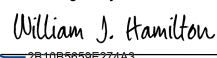
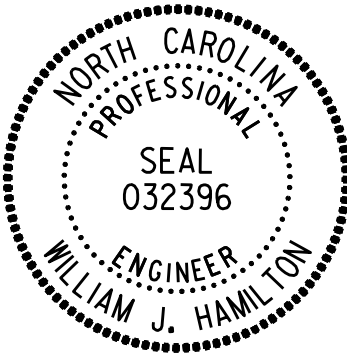


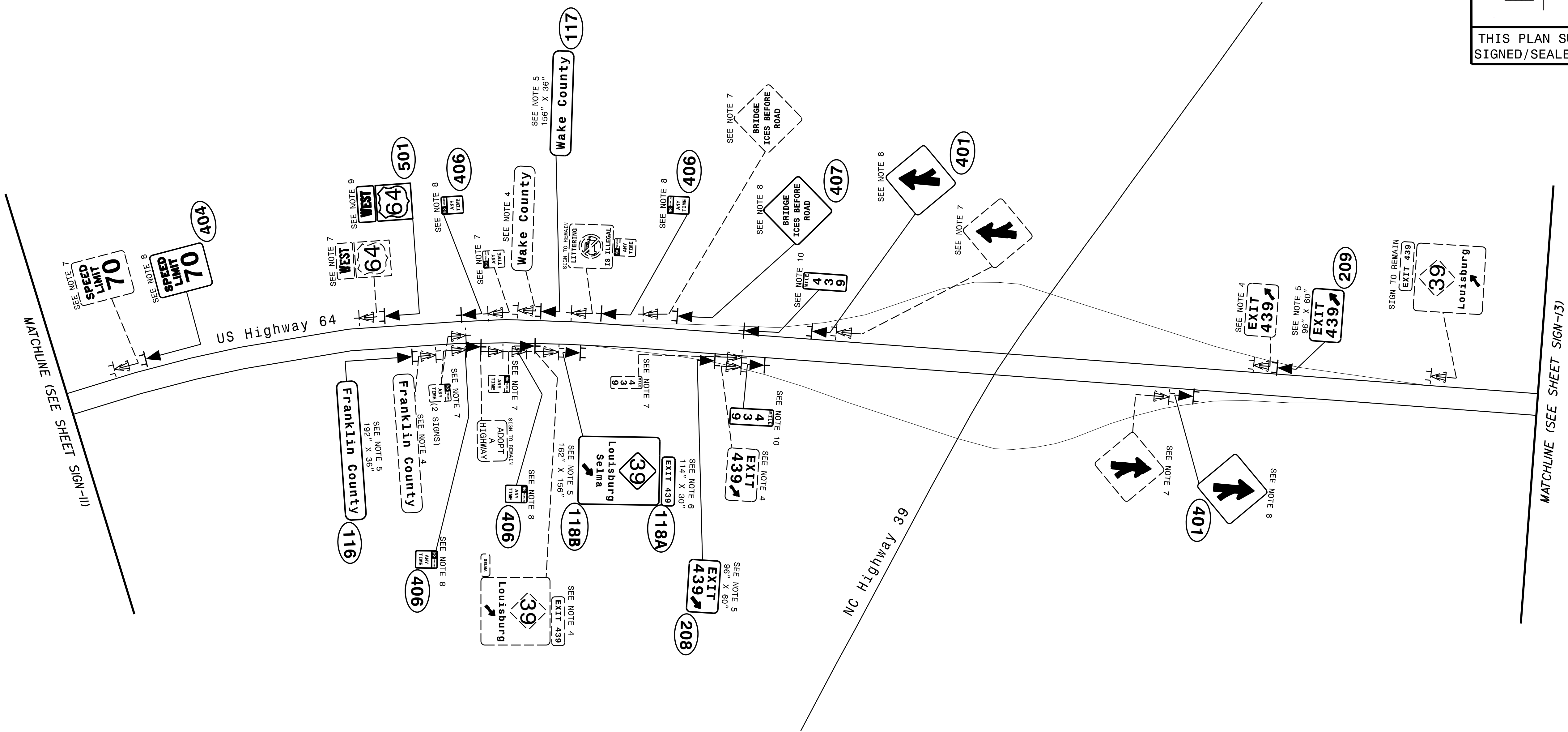
SIGNING DETAILS

TIP NO.	SHEET NO.
I - 6001	SIGN-11
APPROVED: Designed by: William J. Hamilton 0728108585027463	
DATE: 07/10/2025	
SEAL NORTH CAROLINA PROFESSIONAL ENGINEER WILLIAM J. HAMILTON SEAL 032396	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 EXULT ENGINEERING	
THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025	

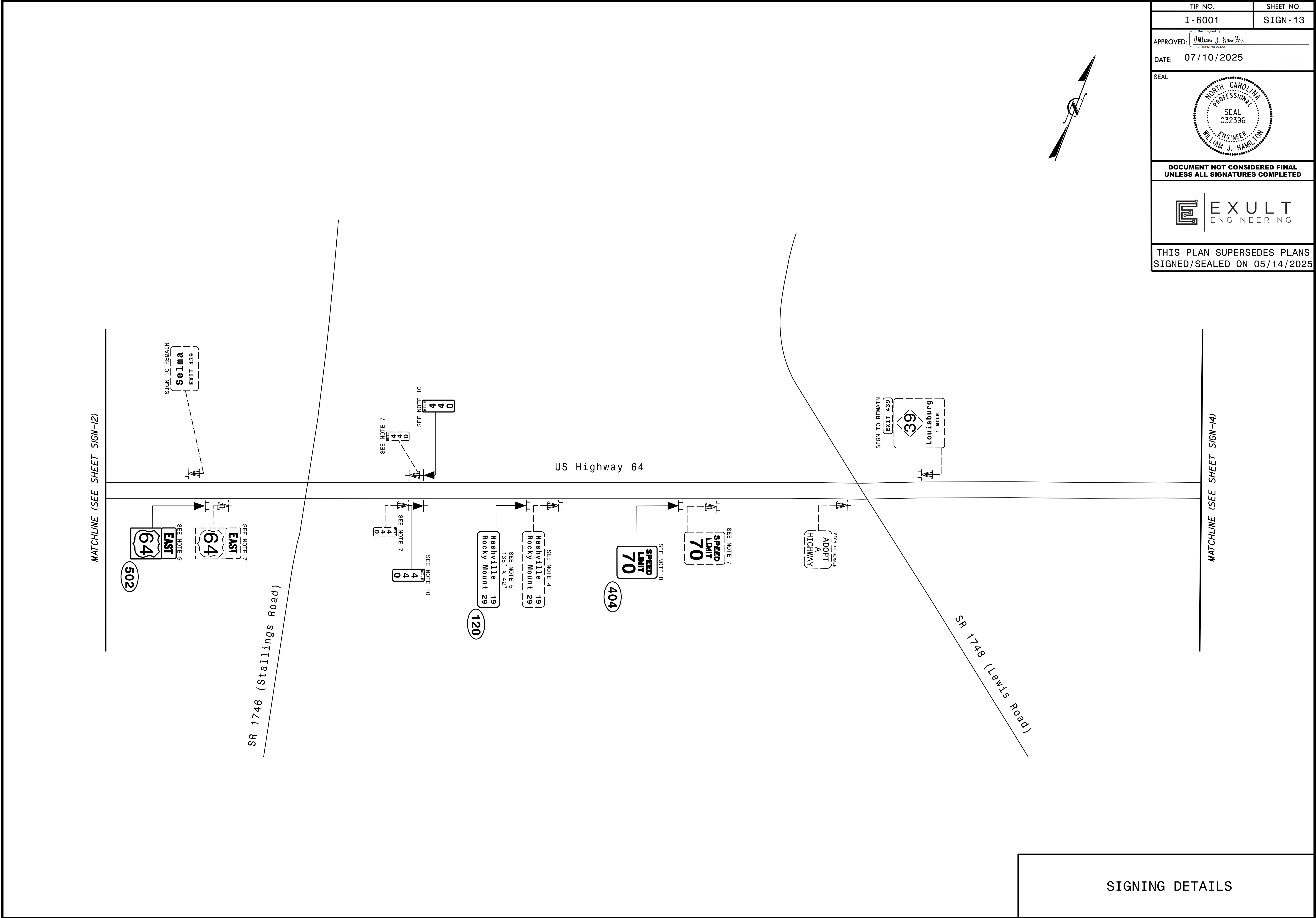


SIGNING DETAILS

TIP NO. I-6001	SHEET NO. SIGN-12
APPROVED:  DocuSigned by: William J. Hamilton 2510886927903	
DATE: 07/10/2025	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025	

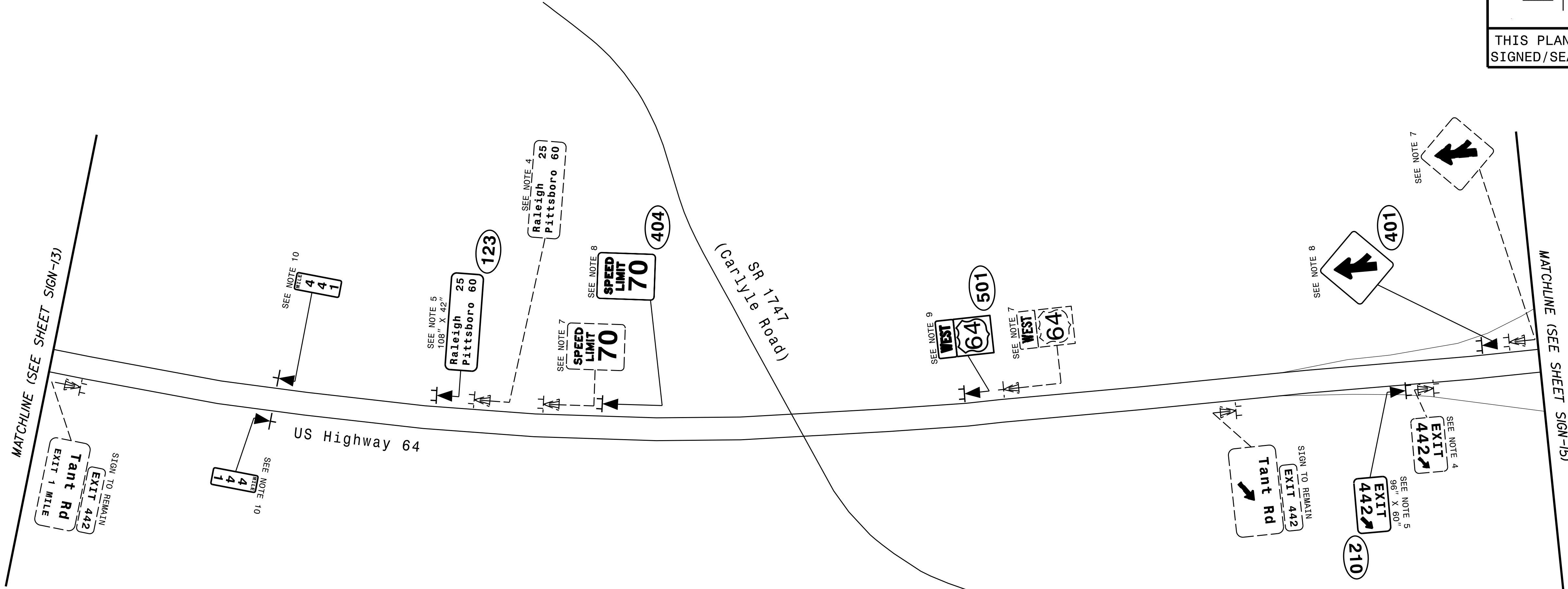


SIGNING DETAILS

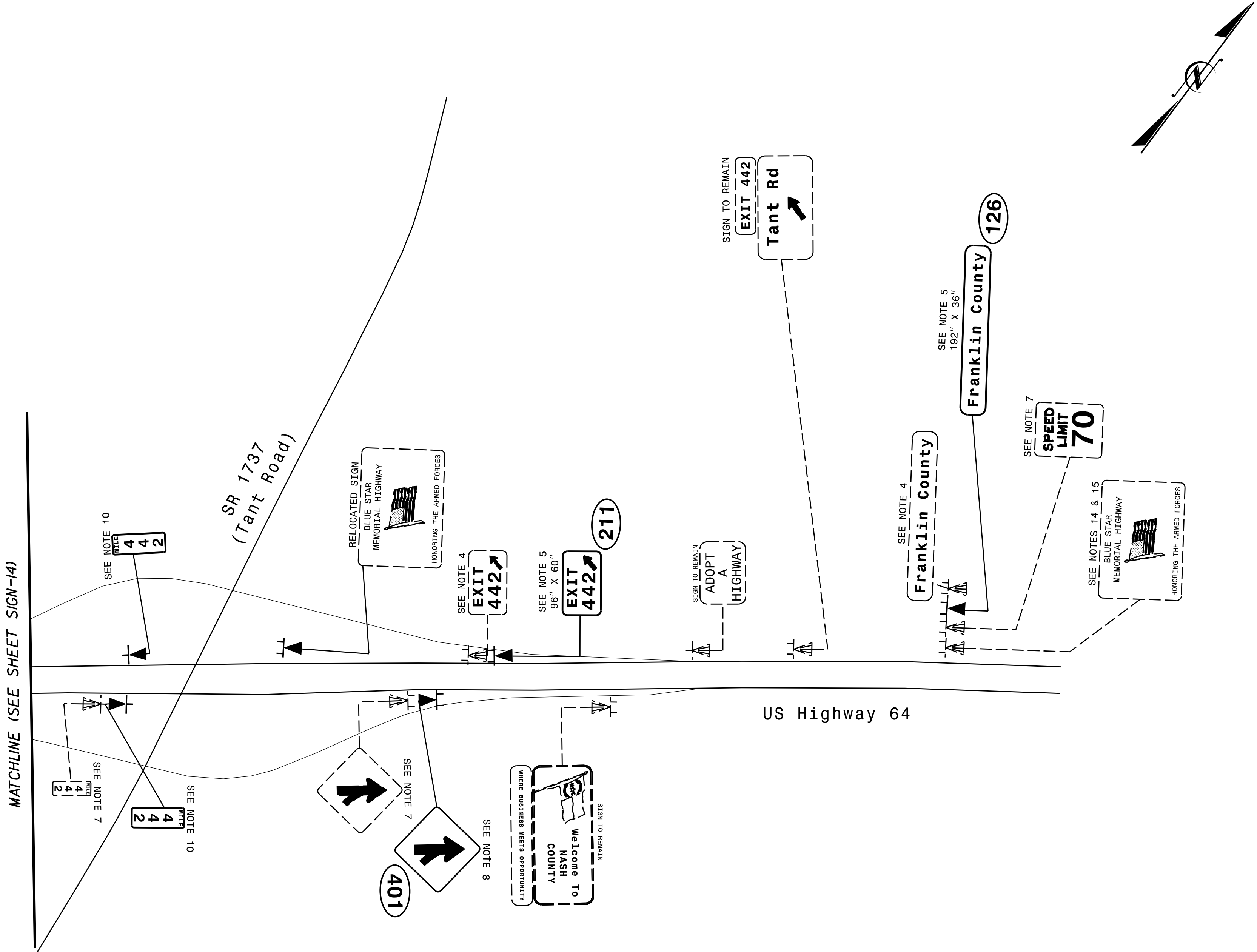


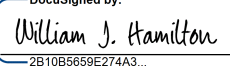
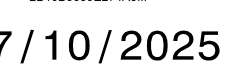
TIP NO. I-6001	SHEET NO. SIGN-13
APPROVED: <i>William J. Hamilton</i> DocuSigned by: -281655558E274A3	
DATE: 07/10/2025	
SEAL 	
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TIP NO.	SHEET NO.
I - 6001	SIGN - 14
APPROVED: DESIGNED BY: <i>William J. Hamilton</i> SEAL 032396 ENGINEER WILLIAM J. HAMILTON	
DATE: 07/10/2025	
SEAL	
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EXULT ENGINEERING	
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SIGNING DETAILS



TIP NO. I-6001	SHEET NO. SIGN-15
APPROVED:  DESIGNED BY: 	
DATE: 07/10/2025	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
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