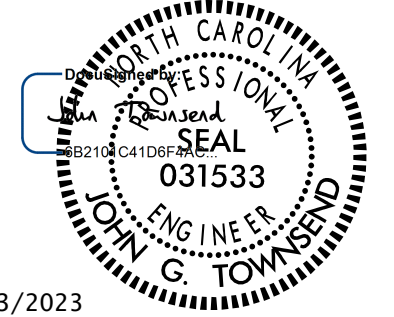


PROJECT REFERENCE NO. U-5312	SHEET NO. SIGN-1
APPROVED: _____	
DATE: _____	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
WILKES COUNTY

LOCATION: US 421 FROM NC 16 TO US 421 BUSINESS IN WILKESBORO

T.I.P.: U-5312

CONTRACT:

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
901.10	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 TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
903.20	WOOD SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.40	MILEPOST AND PLACEMENT
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
910.30	SIGNING SIGNALIZED AND UNSIGNALIZED SUPERSTREET

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.
- . DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	4	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	636	LB.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	2812	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	3295	L.F.
4078000000	903	SUPPORTS, 2 LB STEEL U-CHANNEL	2	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	2	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	2	EA.
4096000000	904	SIGN ERECTION, TYPE D	5	EA.
4102000000	904	SIGN ERECTION, TYPE E	147	EA.
4108000000	904	SIGN ERECTION, TYPE F	33	EA.
4114000000	904	SIGN ERECTION, MILEMARKERS	2	EA.
4149000000	SP	DISPOSAL OF SIGN SYSTEM, SPAN WIRE	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	68	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	4	EA.

PROJECT NOTES


- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 3 DISPOSAL OF SIGN SYSTEM, SPAN WIRE
- 4 SIGN ERECTION, TYPE A, B
- 5 SIGN ERECTION, TYPE D, E AND F

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	GROUND MOUNTED SUPPORT DESIGNS
SIGN-2A-2C	SIGN DESIGNS
SIGN-3 & 3A	TYPE "E", "F" AND MILEMARKER SIGNS
SIGN-6-16	SIGNING PLAN SHEETS

PLAN PREPARED BY: **VHB Engineering NC, P.C.**

John Townsend, PE Project Engineer



940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

RS/PS/23
R:\ps\ps\23\Signing\CADD\Signing_Layout_Plans\U5312_sgn_tsh.dgn
User: jtownsend

TIP NO.	SHEET NO.
U-5312	SIGN-2
APPROVED: _____	
DATE: _____	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



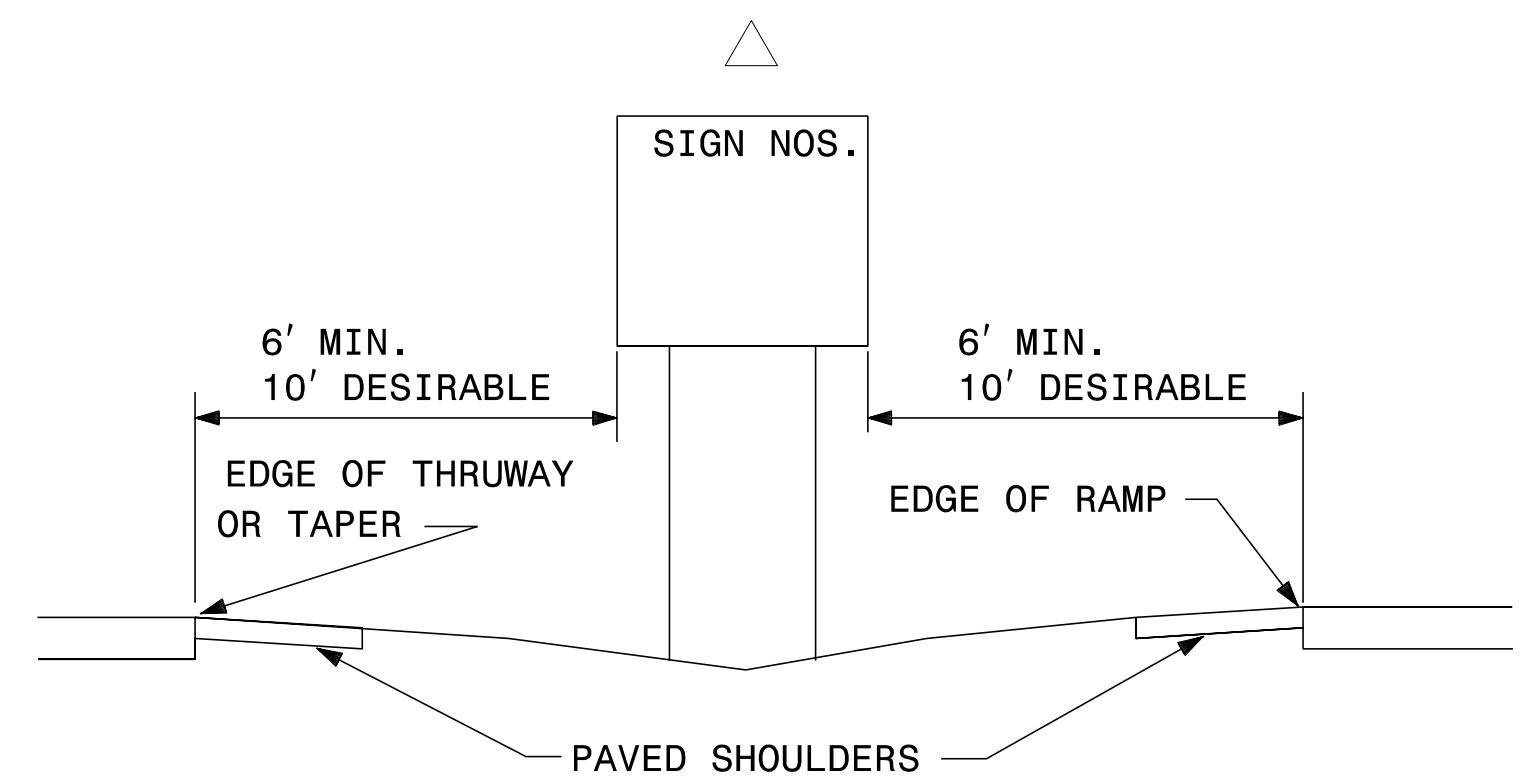
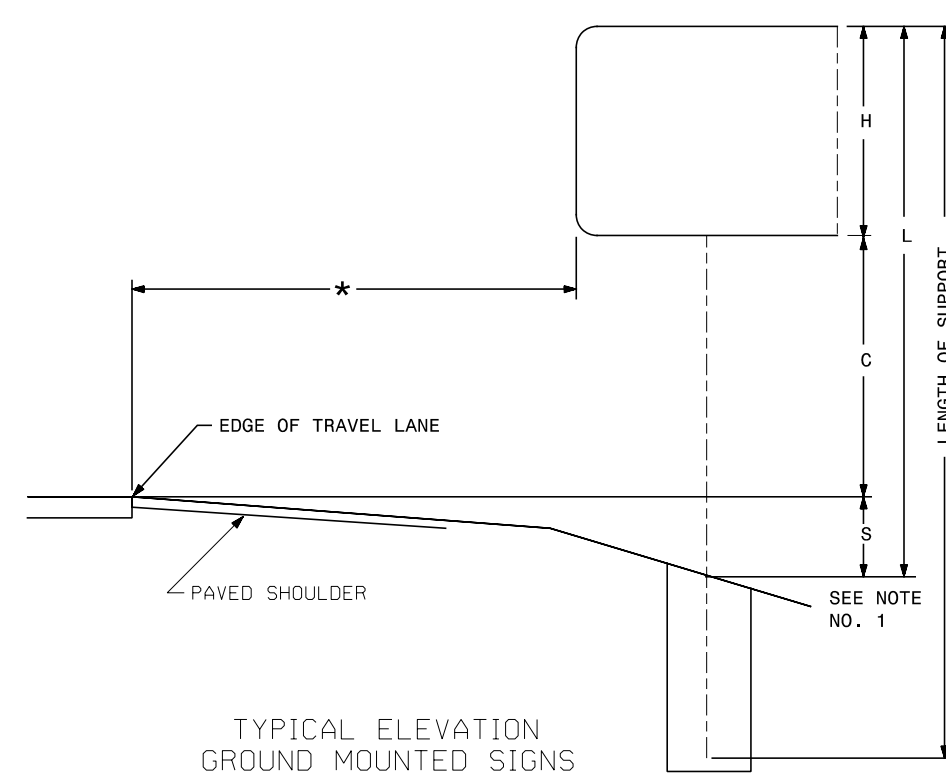
940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

SIGN					ROADWAY STATION	NUMBER OF SUPPORTS	BEAM SECTION	SUPPORT TYPE BA or S	OMNI COUPLER	ATTACHMENT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPORT SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			SUPPORT WEIGHTS		FOOTINGS				FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
NUMBER	TYPE	SIZE (in.)												SNS HT "H"	MTG HT "C"	EMBED-MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	B/A (lbs.)	SIMPLE (lbs.)	DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)	
		w	x	h																												
101A	B	132	x	42	181+73	2	W18x40	S	N/A	1-R	N/A	30.00	7.03	11.50	7.00	4.5	10.38	28.88	33.38	0.00	0.00	0.00	13.90	32.40	36.90	0.00	2811.2	3.0	5	2.62	0.00	
101B	A	144	x	114						1-R	N/A																					
101C	B	120	x	24						1-R	N/A																					
102	A	78	x	72	188+50	2	W6x12	BA	N/A	N/A	N/A	30.00	3.81	6.00	7.00	2.5	6.82	19.82	22.32	0.00	0.00	0.00	8.64	21.64	24.14	635.52	0	1.5	3	0.39	0.00	

TOTAL	TOTAL	TOTAL	TOTAL
635.52	2811.20	3.01	0.00
USE:	636.00	2812.00	4.00

NOTES

- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
- PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.



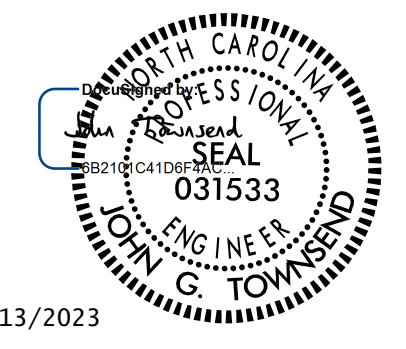
TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS

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APPROVED: _____

DATE: _____

SEAL



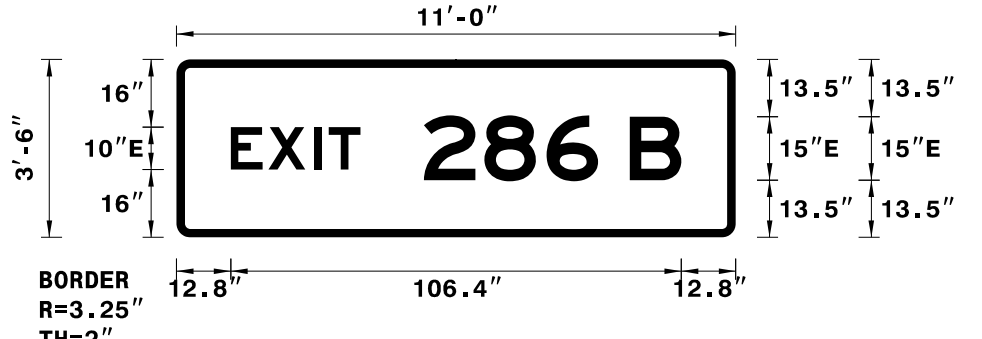
7/13/2023

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940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

SIGN NUMBER: 101A TYPE: B QUANTITY: 1 SIGN WIDTH: 11'-0" HEIGHT: 3'-6" TOTAL AREA: 38.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 3.25" NO. Z BARS: 2 LENGTH: 124.0	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: VHB PROJECT ID: U-5312 CHECKED BY: LOCATION: Feb 15, 2023 DIV: 11
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- USE NOTES:
- Legend and border(except those that are colored black) shall be direct applied Grade C 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 C reflective sheeting and demountable.

Spacing Factor is 1 unless specified otherwise

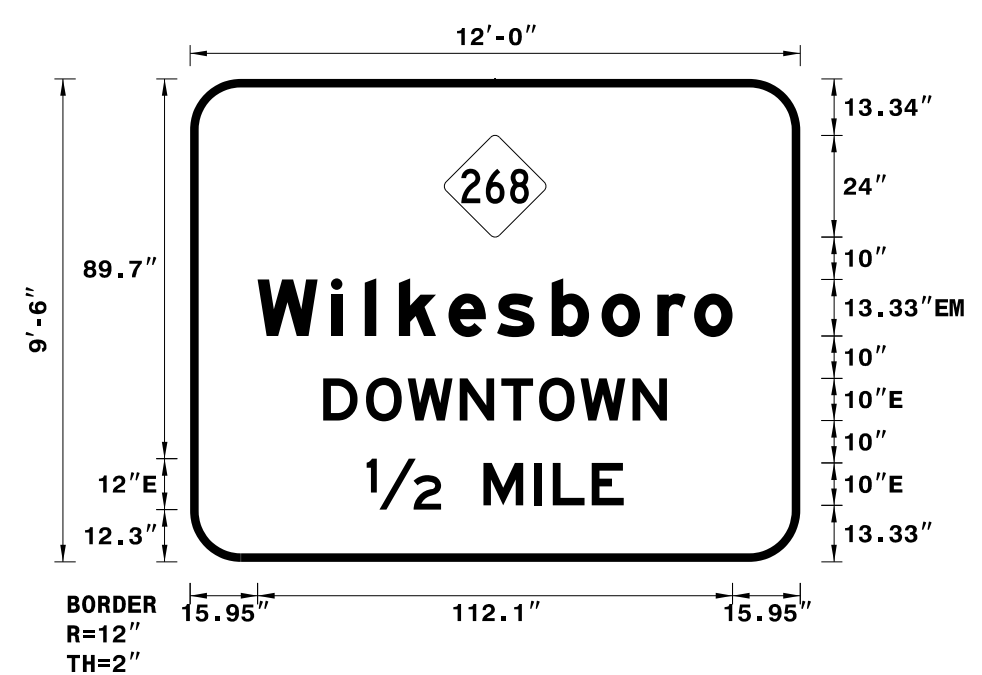
LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	106.4

FILENAME: U5312_sgn_101A NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 101B TYPE: A QUANTITY: 1 SIGN WIDTH: 12'-0" HEIGHT: 9'-6" TOTAL AREA: 114.0 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 NC243B 60 76.7 24 24 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: VHB PROJECT ID: U-5312 CHECKED BY: LOCATION: Feb 15, 2023 DIV: 11
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- USE NOTES:
- Legend and border(except those that are colored black) shall be direct applied Grade C 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 C reflective sheeting and demountable.

Spacing Factor is 1 unless specified otherwise

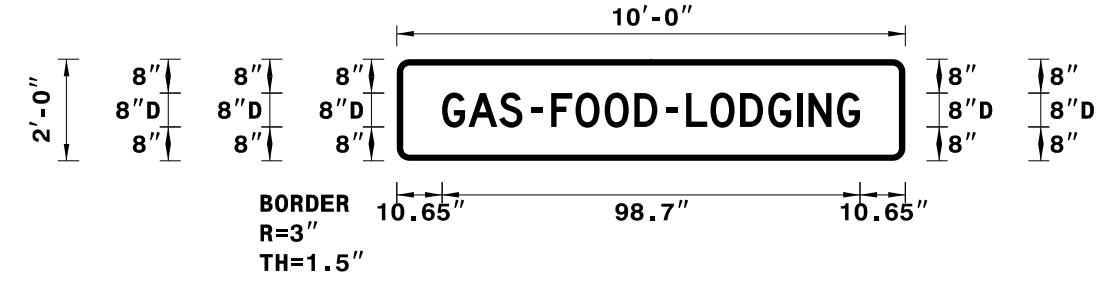
LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	112.1
E 2000	81.1
E 2000	60.7

FILENAME: U5312_sgn_101B NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 101C TYPE: B QUANTITY: 1 SIGN WIDTH: 10'-0" HEIGHT: 2'-0" TOTAL AREA: 20.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 3" NO. Z BARS: 2 LENGTH: 112.0	BACKG COLOR: Blue COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: VHB PROJECT ID: U-5312 CHECKED BY: LOCATION: Feb 15, 2023 DIV: 11
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- USE NOTES:
- Legend and border(except those that are colored black) shall be direct applied Grade C 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 C reflective sheeting and demountable.

Spacing Factor is 1 unless specified otherwise

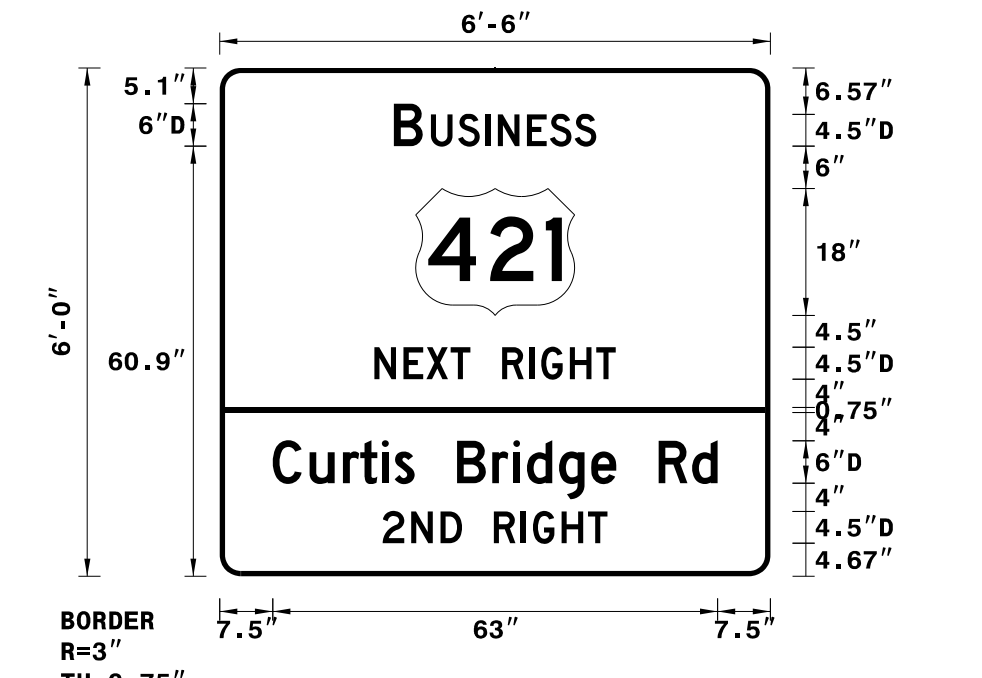
LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
D 2000	98.7

FILENAME: U5312_sgn_101C NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 102 TYPE: A QUANTITY: 1 SIGN WIDTH: 6'-6" HEIGHT: 6'-0" TOTAL AREA: 39.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: 2 LENGTH: 70.0	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT M1_4 27.8 36.9 22.5 18 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: VHB PROJECT ID: U-5312 CHECKED BY: LOCATION: Feb 17, 2023 DIV: 11
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- USE NOTES:
- Legend and border(except those that are colored black) shall be direct applied Grade C 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 C reflective sheeting and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

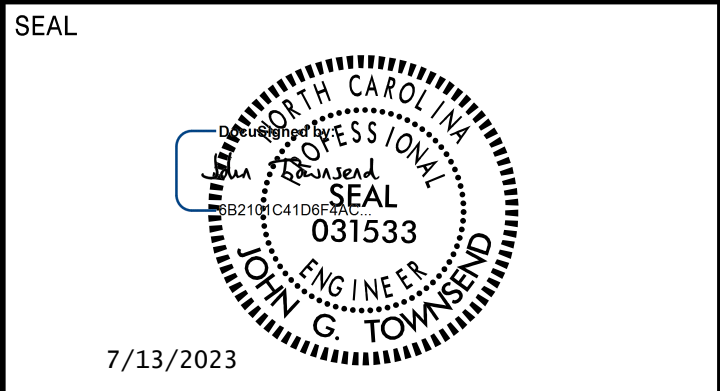
Series/Size	Text Length
D 2000	28.7
D 2000	34.2
D 2000	63
D 2000	31.9

FILENAME: U5312_sgn_102 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS

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APPROVED: _____
 DATE: _____



7/13/2023

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SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 7'-6" HEIGHT: 3'-0" TOTAL AREA: 22.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADII: 2.75" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: VHB PROJECT ID: U-5312 CHECKED BY: LOCATION: Feb 15, 2023 DIV: 11
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BORDER R=2.75" TH=1" Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size	
													Text Length	
W	a	t	s	o	n	B	r	a	m	e			D 2000	
9.9	7.8	5.4	3.6	4.5	6.2	4.7	8	6.6	3.6	6.1	9.1	4.7	9.9	70.2
E	x	p	r	e	s	s	w	a	y					D 2000
16.5	5.4	7	6.1	3.7	5.4	4.3	4.2	9.6	5.4	6	16.5			57

FILENAME: U5312_sgn_301 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302 TYPE: D QUANTITY: 1 SIGN WIDTH: 7'-0" HEIGHT: 3'-0" TOTAL AREA: 21.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 2.25" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: VHB PROJECT ID: U-5312 CHECKED BY: LOCATION: Feb 15, 2023 DIV: 11
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BORDER R=2.25" TH=0.75" Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size	
													Text Length	
N	W	i	l	k	e	s	b	o	r	o			D 2000	
10.1	5.4	8	8.2	2.9	2.9	5.8	5.4	4.8	5.8	6.2	3.7	4.9	10.1	63.8
L	E	F	T	L	A	N	E							D 2000
20.8	4.6	4.7	4.1	3.7	6	4.1	6	5.5	3.7	20.8				42.5

FILENAME: U5312_sgn_302 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303 TYPE: D QUANTITY: 1 SIGN WIDTH: 6'-6" HEIGHT: 2'-0" TOTAL AREA: 13.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Blue COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: VHB PROJECT ID: U-5312 CHECKED BY: LOCATION: Feb 15, 2023 DIV: 11
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BORDER R=3" TH=1.5" Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size
											Text Length
H	O	S	P	I	T	A	L				E 2000
10.4	8.3	8.1	8.1	7.8	2.8	6.6	9.5	6	10.4		57.3

FILENAME: U5312_sgn_1028 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304 TYPE: D QUANTITY: 2 SIGN WIDTH: 8'-6" HEIGHT: 2'-0" TOTAL AREA: 17.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Blue COPY COLOR: White SYMBOL X Y WID HT AR_Type D 77.6 8 8 12 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: VHB PROJECT ID: U-5312 CHECKED BY: LOCATION: Feb 15, 2023 DIV: 11
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BORDER R=3" TH=1.5" Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

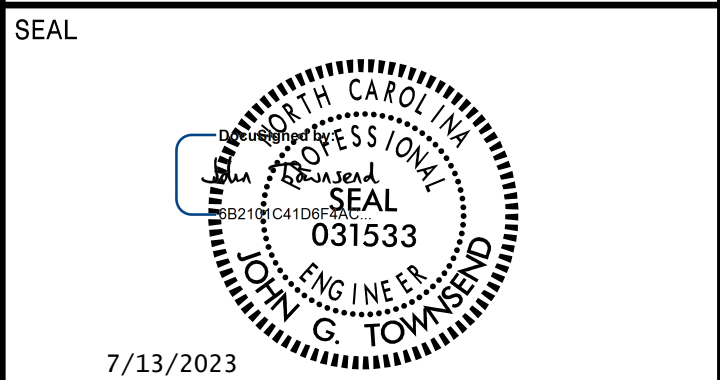
Letter spacings are to start of next letter											Series/Size
											Text Length
H	O	S	P	I	T	A	L				E 2000
12.4	8.3	8.1	8.1	7.8	2.8	6.6	9.5	6	32.4		57.3

FILENAME: U5312_sgn_304 NORTH CAROLINA D.O.T. SIGN DETAIL

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 User:jtowns

SIGN DESIGNS

APPROVED: _____
DATE: _____



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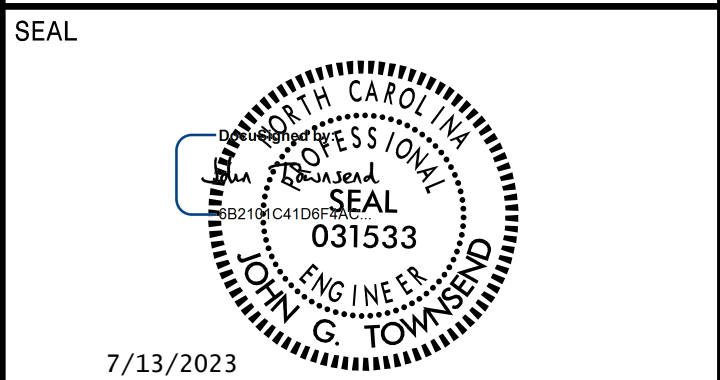
<p>SIGN NUMBER: 410 TYPE: D QUANTITY: 5 SIGN WIDTH: 3'-0" HEIGHT: 2'-6" TOTAL AREA: 7.5 Sq.Ft.</p> <p>BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.63" RADII: 1.13"</p> <p>NO. Z BARS: _____ LENGTH: _____</p>	<p>BACKG COLOR: White COPY COLOR: Black</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr> <td>AR_RIGHT_ONLY</td> <td>3.8</td> <td>12.1</td> <td>11.1</td> <td>13.8</td> </tr> <tr> <td>AR_RIGHT_ONLY</td> <td>21.1</td> <td>12.1</td> <td>11.1</td> <td>13.8</td> </tr> </tbody> </table> <p>MAT'L: 0.080" (2.0 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT	AR_RIGHT_ONLY	3.8	12.1	11.1	13.8	AR_RIGHT_ONLY	21.1	12.1	11.1	13.8	<p>DESIGN BY: VHB PROJECT ID: U-5312</p> <p>CHECKED BY: _____ LOCATION: _____</p> <p style="text-align: right;">Oct 31, 2022 DIV: 11</p>	<p style="text-align: center;">3'-0"</p> <p style="text-align: center;">BORDER R=1.13" TH=0.63" IN=0.38"</p> <p style="text-align: right;">Spacing Factor is 1 unless specified otherwise</p>																																									
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AR_RIGHT_ONLY	3.8	12.1	11.1	13.8																																																							
AR_RIGHT_ONLY	21.1	12.1	11.1	13.8																																																							
<p>USE NOTES:</p> <ol style="list-style-type: none"> Legend and border(except those that are colored black) shall be direct applied Grade C 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 C reflective sheeting and demountable. 																																																											
<p>LETTER POSITIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6">Letter spacings are to start of next letter</th> <th>Series/Size</th> </tr> <tr> <th></th> <th>O</th> <th>N</th> <th>L</th> <th>Y</th> <th></th> <th>Text Length</th> </tr> </thead> <tbody> <tr> <td></td> <td>3.8</td> <td>3.2</td> <td>3.1</td> <td>2.3</td> <td>2.6</td> <td>21.1</td> </tr> <tr> <td></td> <td>0</td> <td>N</td> <td>L</td> <td>Y</td> <td></td> <td>C 2000</td> </tr> <tr> <td></td> <td>21.1</td> <td>3.2</td> <td>3.1</td> <td>2.3</td> <td>2.6</td> <td>3.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11.1</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>C 2000</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11.1</td> </tr> </tbody> </table> <p>FILENAME: U5312_sgn_410 NORTH CAROLINA D.O.T. SIGN DETAIL</p>				Letter spacings are to start of next letter						Series/Size		O	N	L	Y		Text Length		3.8	3.2	3.1	2.3	2.6	21.1		0	N	L	Y		C 2000		21.1	3.2	3.1	2.3	2.6	3.8							11.1							C 2000							11.1
Letter spacings are to start of next letter						Series/Size																																																					
	O	N	L	Y		Text Length																																																					
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	0	N	L	Y		C 2000																																																					
	21.1	3.2	3.1	2.3	2.6	3.8																																																					
						11.1																																																					
						C 2000																																																					
						11.1																																																					

<p>SIGN NUMBER: 411 TYPE: D QUANTITY: 1 SIGN WIDTH: 3'-0" HEIGHT: 2'-6" TOTAL AREA: 7.5 Sq.Ft.</p> <p>BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.63" RADII: 1.13"</p> <p>NO. Z BARS: _____ LENGTH: _____</p>	<p>BACKG COLOR: White COPY COLOR: Black</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr> <td>AR_RIGHT_ONLY</td> <td>4.4</td> <td>12.1</td> <td>11.1</td> <td>13.8</td> </tr> <tr> <td>AR_RIGHT_ONLY</td> <td>21.7</td> <td>12.1</td> <td>11.1</td> <td>13.8</td> </tr> </tbody> </table> <p>MAT'L: 0.080" (2.0 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT	AR_RIGHT_ONLY	4.4	12.1	11.1	13.8	AR_RIGHT_ONLY	21.7	12.1	11.1	13.8	<p>DESIGN BY: VHB PROJECT ID: U-5312</p> <p>CHECKED BY: _____ LOCATION: _____</p> <p style="text-align: right;">Oct 31, 2022 DIV: 11</p>	<p style="text-align: center;">3'-0"</p> <p style="text-align: center;">BORDER R=1.13" TH=0.63" IN=0.38"</p> <p style="text-align: right;">Spacing Factor is 1 unless specified otherwise</p>																																									
SYMBOL	X	Y	WID	HT																																																							
AR_RIGHT_ONLY	4.4	12.1	11.1	13.8																																																							
AR_RIGHT_ONLY	21.7	12.1	11.1	13.8																																																							
<p>USE NOTES:</p> <ol style="list-style-type: none"> Legend and border(except those that are colored black) shall be direct applied Grade C 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 C reflective sheeting and demountable. 																																																											
<p>LETTER POSITIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6">Letter spacings are to start of next letter</th> <th>Series/Size</th> </tr> <tr> <th></th> <th>O</th> <th>N</th> <th>L</th> <th>Y</th> <th></th> <th>Text Length</th> </tr> </thead> <tbody> <tr> <td></td> <td>3.8</td> <td>3.2</td> <td>3.1</td> <td>2.3</td> <td>2.6</td> <td>21</td> </tr> <tr> <td></td> <td>0</td> <td>N</td> <td>L</td> <td>Y</td> <td></td> <td>C 2000</td> </tr> <tr> <td></td> <td>21.1</td> <td>3.2</td> <td>3.1</td> <td>2.3</td> <td>2.6</td> <td>3.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11.1</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>C 2000</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11.1</td> </tr> </tbody> </table> <p>FILENAME: U5312_sgn_411 NORTH CAROLINA D.O.T. SIGN DETAIL</p>				Letter spacings are to start of next letter						Series/Size		O	N	L	Y		Text Length		3.8	3.2	3.1	2.3	2.6	21		0	N	L	Y		C 2000		21.1	3.2	3.1	2.3	2.6	3.8							11.1							C 2000							11.1
Letter spacings are to start of next letter						Series/Size																																																					
	O	N	L	Y		Text Length																																																					
	3.8	3.2	3.1	2.3	2.6	21																																																					
	0	N	L	Y		C 2000																																																					
	21.1	3.2	3.1	2.3	2.6	3.8																																																					
						11.1																																																					
						C 2000																																																					
						11.1																																																					

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SIGN DESIGNS

APPROVED: _____
 DATE: _____



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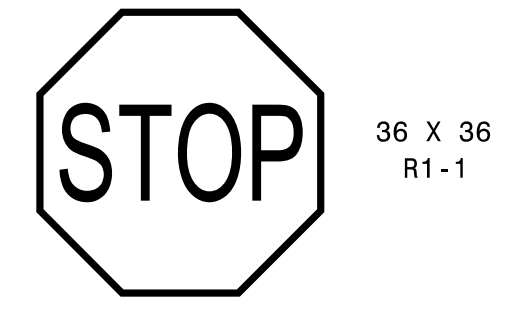


401 QUANTITY REQ'D 10



TWO "U" POSTS PER SIGN

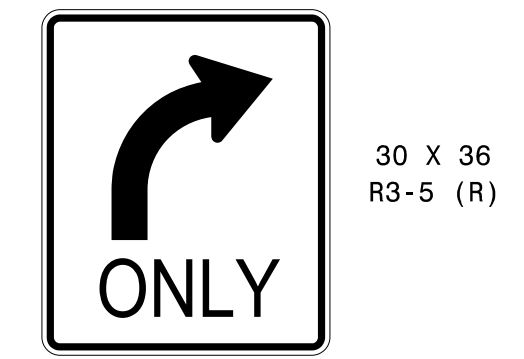
405 QUANTITY REQ'D 15



MOUNT BELOW SIGN 404
 IN 13 INSTALLATIONS

 ONE "U" POST PER SIGN

409 QUANTITY REQ'D 3



ONE "U" POST PER SIGN

413 QUANTITY REQ'D 1



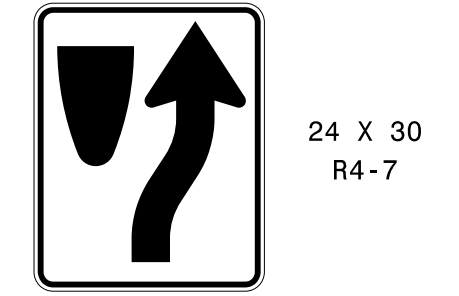
ONE "U" POST PER SIGN

417 QUANTITY REQ'D 2



ONE "U" POST PER SIGN

402 QUANTITY REQ'D 11



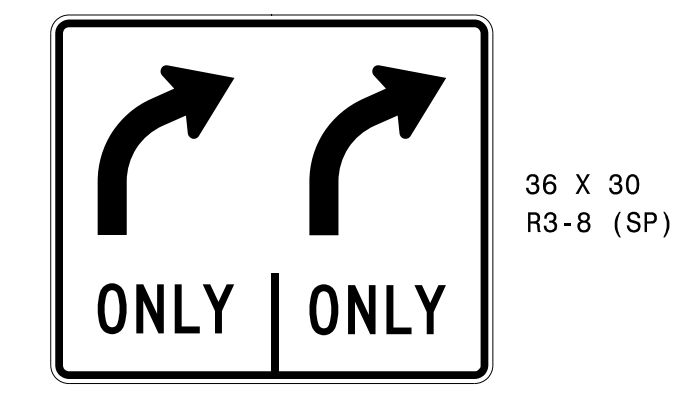
ONE "U" POST PER SIGN

406 QUANTITY REQ'D 2



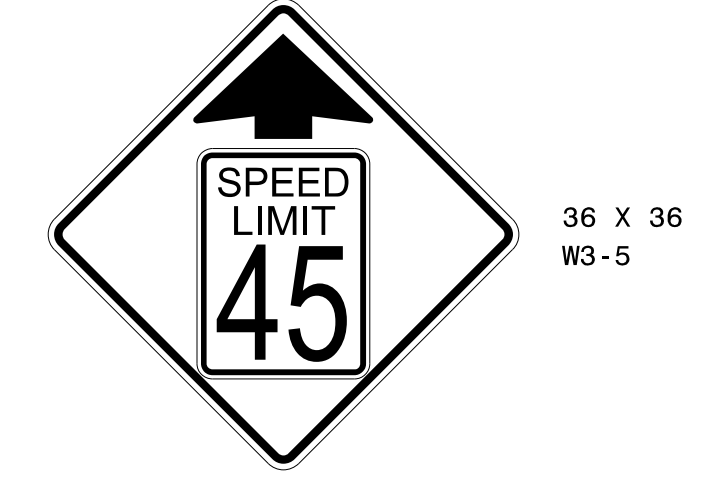
ONE "U" POST PER SIGN

410 QUANTITY REQ'D 5



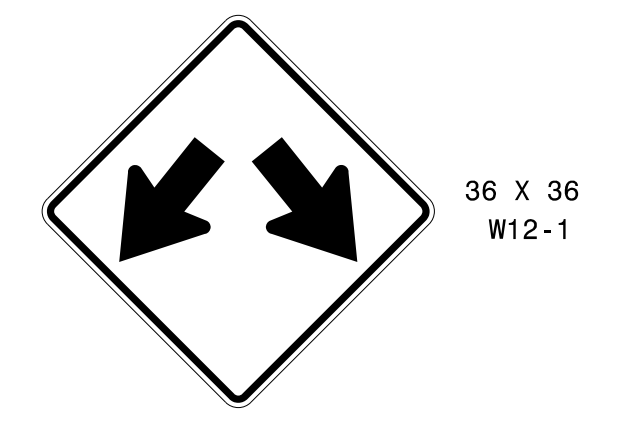
TWO "U" POST PER SIGN

414 QUANTITY REQ'D 1



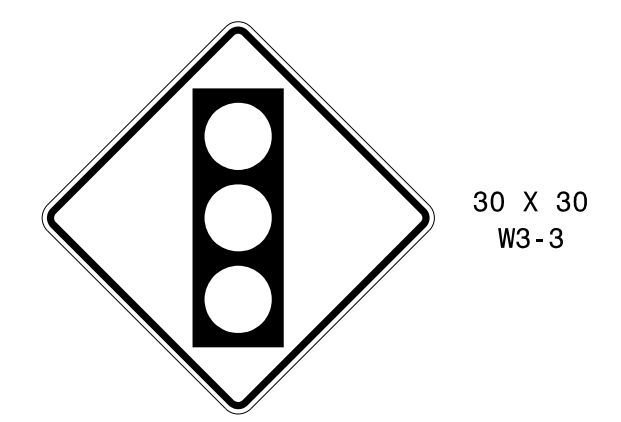
ONE "U" POST PER SIGN

403 QUANTITY REQ'D 20



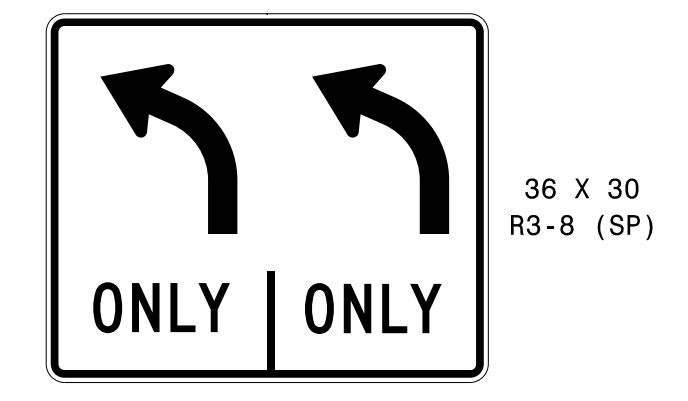
ONE "U" POST PER SIGN

407 QUANTITY REQ'D 2



ONE "U" POST PER SIGN

411 QUANTITY REQ'D 1



TWO "U" POST PER SIGN

415 QUANTITY REQ'D 9



ONE "U" POST PER SIGN

404 QUANTITY REQ'D 36



TWO "U" POSTS PER SIGN

408 QUANTITY REQ'D 25



MOUNT BELOW SIGN 406
 IN 2 INSTALLATIONS

 MOUNT BACK TO BACK WITH SIGN 402
 IN 1 INSTALLATION

 ONE "U" POST PER SIGN

412 QUANTITY REQ'D 3



ONE "U" POST PER SIGN

416 QUANTITY REQ'D 1

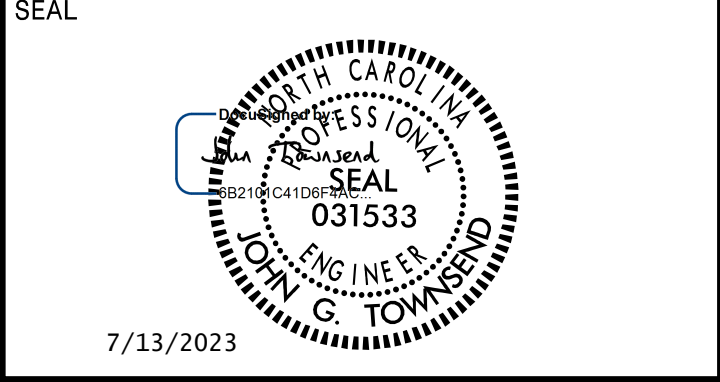


ONE "U" POST PER SIGN

TYPE "E" SIGNS

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 DATE: _____



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501

1 - 24 X 12 TO
 1 - 24 X 12 SOUTH
 1 - 30 X 24 421
 1 - 24 X 24 16
 1 - 24 X 24 U-turn

ONE "U" POSTS PER SIGN

505
513
514
521
531

1 - 24 X 12 NORTH
 1 - 30 X 24 421
 1 - 24 X 24 16

ONE "U" POST PER SIGN

523

1 - 24 X 12 SOUTH
 1 - 24 X 12 BUSINESS BY-PASS
 1 - 30 X 24 421 421
 1 - 21 X 15 ← ↑
 1 - 24 X 12 SOUTH
 1 - 24 X 24 16
 1 - 21 X 15 ↑

TWO "U" POSTS PER SIGN

527

1 - 24 X 12 SOUTH
 1 - 24 X 12 BY-PASS
 1 - 30 X 24 421 421
 1 - 21 X 15 ← ↑

TWO "U" POSTS PER SIGN

502 **508** **511**

1 - 24 X 12 TO
 1 - 24 X 12 SOUTH NORTH
 1 - 30 X 24 421 421
 1 - 24 X 24 16 16
 1 - 24 X 24 U-turn ↑
 1 - 24 X 12 AHEAD

TWO "U" POSTS PER SIGN

506
509
515
518

1 - 24 X 12 SOUTH
 1 - 30 X 24 421
 1 - 24 X 24 16

ONE "U" POSTS PER SIGN

524

1 - 24 X 12 NORTH
 1 - 30 X 24 421
 1 - 21 X 15 ↑

ONE "U" POST PER SIGN

529
533

1 - 24 X 12 NORTH BUSINESS
 1 - 30 X 24 421 421
 1 - 24 X 24 16 →
 1 - 21 X 15 ↑

TWO "U" POSTS PER SIGN

503

1 - 24 X 12 TO
 1 - 24 X 12 NORTH SOUTH
 1 - 30 X 24 421 421
 1 - 24 X 24 16 16
 1 - 24 X 24 U-turn ↑
 1 - 24 X 12 AHEAD

TWO "U" POSTS PER SIGN

507
510
516
519
528

1 - 24 X 12 SOUTH
 1 - 30 X 24 421
 1 - 24 X 24 16
 1 - 24 X 24 U-turn

ONE "U" POSTS PER SIGN

525

1 - 24 X 12 SOUTH
 1 - 24 X 12 BY-PASS NORTH
 1 - 30 X 24 421 421
 1 - 21 X 15 ↑ →

TWO "U" POSTS PER SIGN

530

1 - 24 X 12 NORTH NORTH
 1 - 30 X 24 421 16
 1 - 21 X 15 ↑ →

TWO "U" POSTS PER SIGN

QUANTITY REQ'D 2

MILE
 2
 8
 9

12 X 48
 D10-3

ONE "U" POST PER SIGN

504
512
517
520

1 - 24 X 12 NORTH
 1 - 30 X 24 421
 1 - 24 X 24 16
 1 - 24 X 24 U-turn

ONE "U" POSTS PER SIGN

522

1 - 24 X 12 SOUTH
 1 - 24 X 12 BY-PASS
 1 - 30 X 24 421
 1 - 21 X 15 ←

ONE "U" POSTS PER SIGN

526

1 - 24 X 12 SOUTH
 1 - 24 X 12 BY-PASS NORTH
 1 - 30 X 24 421 421
 1 - 21 X 15 ← ↑

TWO "U" POSTS PER SIGN

532

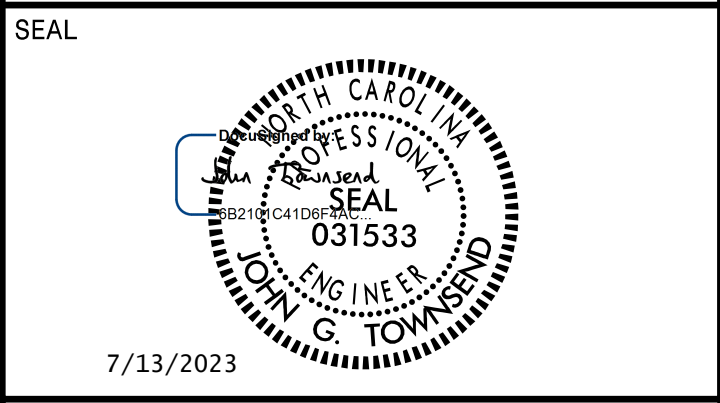
1 - 24 X 12 BUSINESS BY-PASS
 1 - 30 X 24 421 421
 1 - 21 X 15 ← →
 1 - 24 X 24 16
 1 - 21 X 15 →

TWO "U" POSTS PER SIGN

**TYPE "F"
 AND MILEMARKER SIGNS**

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APPROVED: _____
 DATE: _____

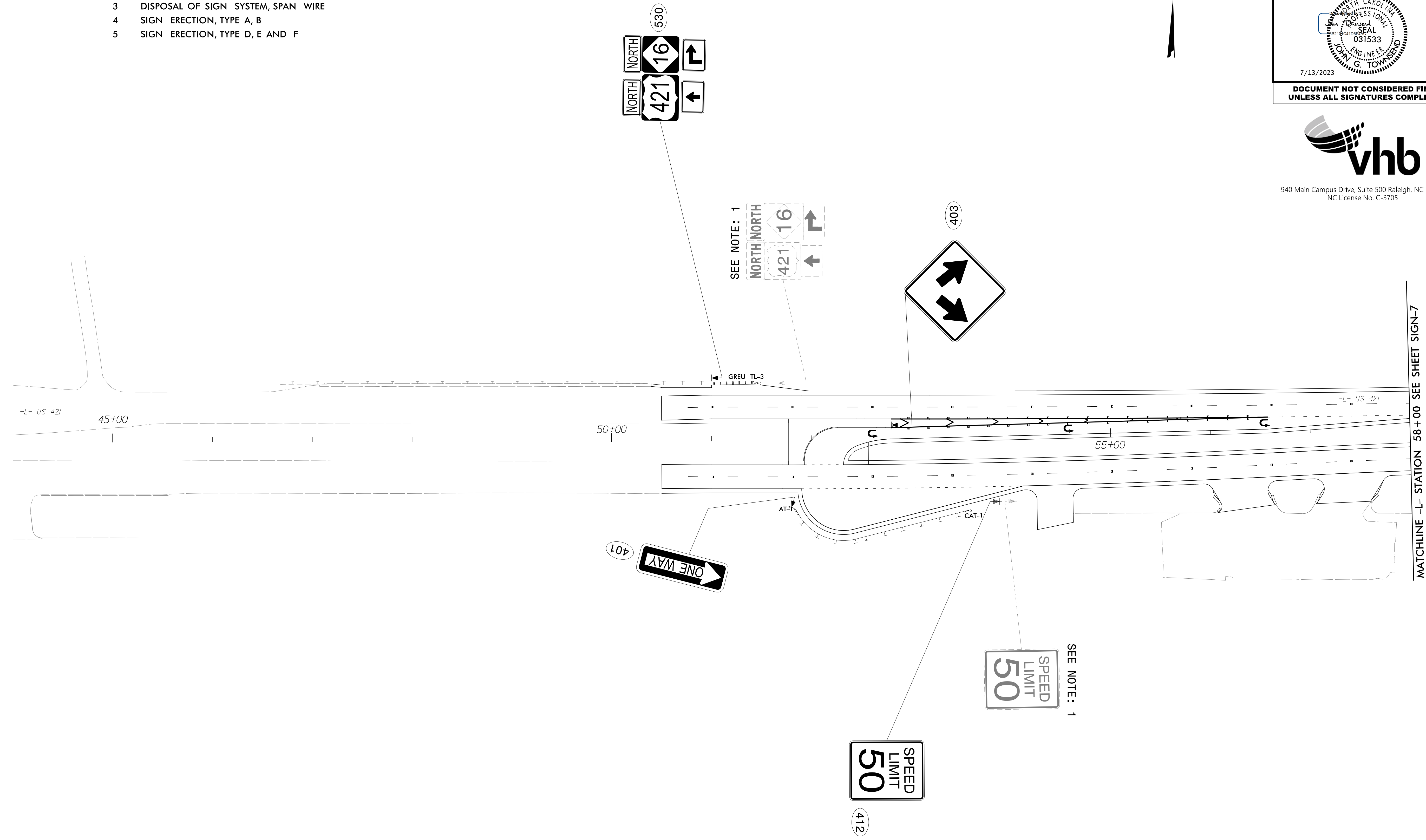
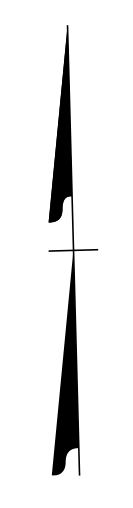


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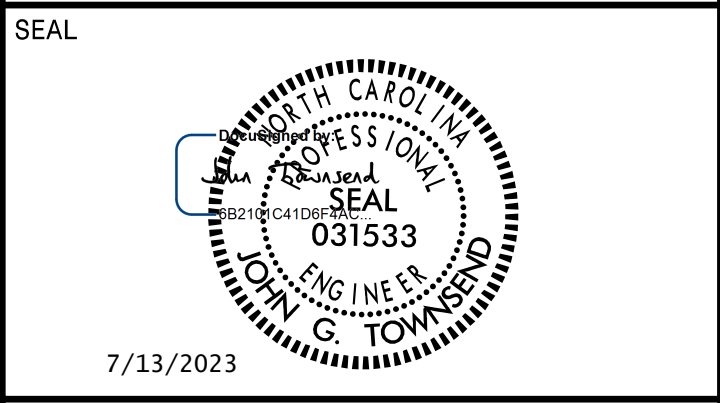
- PROJECT NOTES**
- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - 2 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 - 3 DISPOSAL OF SIGN SYSTEM, SPAN WIRE
 - 4 SIGN ERECTION, TYPE A, B
 - 5 SIGN ERECTION, TYPE D, E AND F



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**EXISTING AND PROPOSED
 SIGNS**

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 DATE: _____

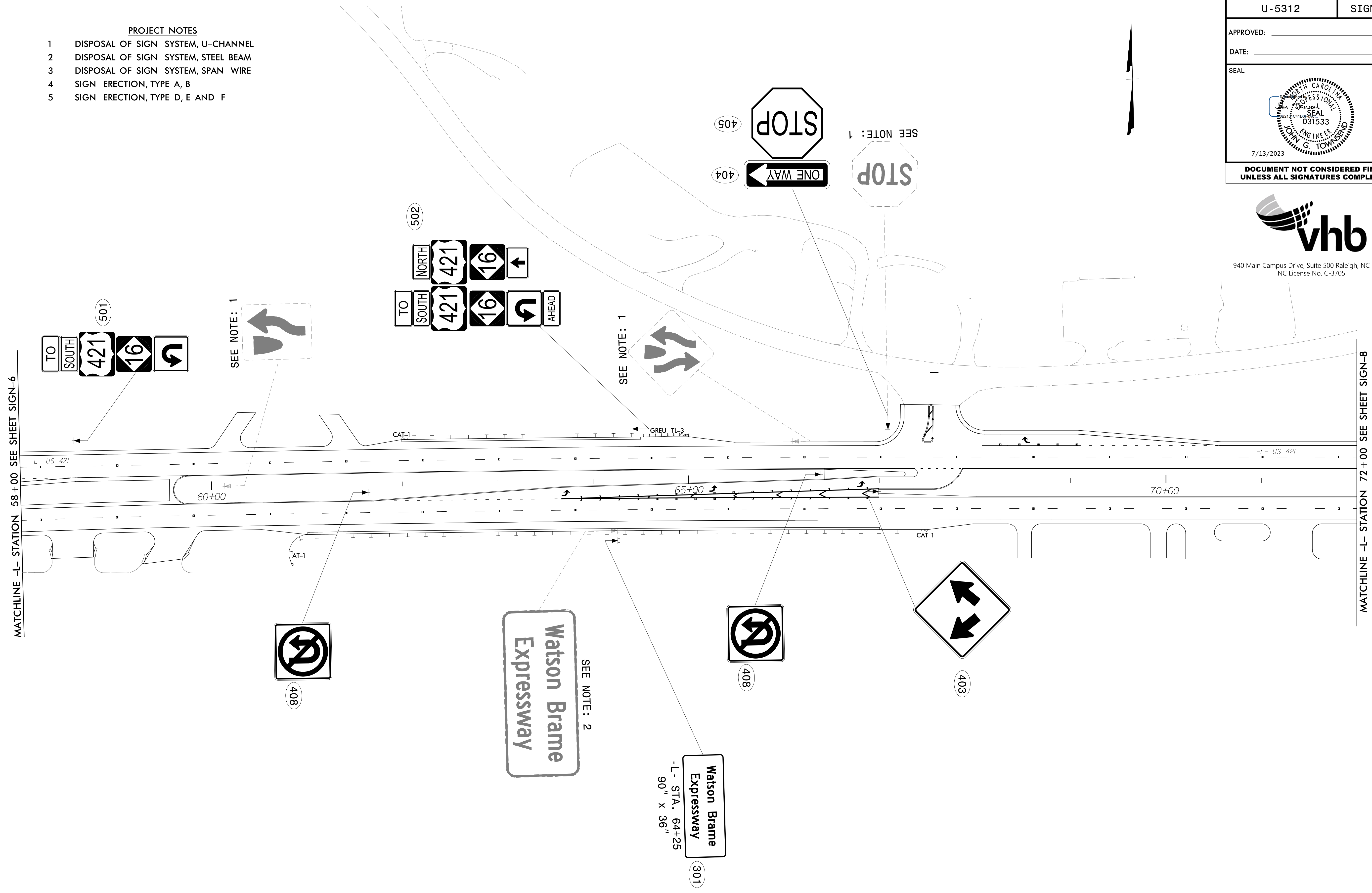


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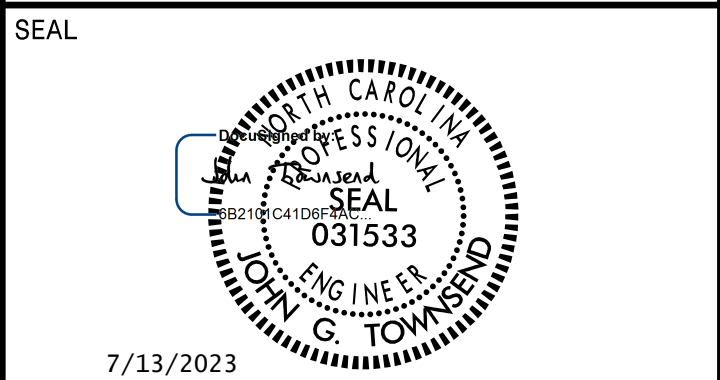
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- PROJECT NOTES**
- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - 2 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 - 3 DISPOSAL OF SIGN SYSTEM, SPAN WIRE
 - 4 SIGN ERECTION, TYPE A, B
 - 5 SIGN ERECTION, TYPE D, E AND F



**EXISTING AND PROPOSED
 SIGNS**

APPROVED: _____
 DATE: _____

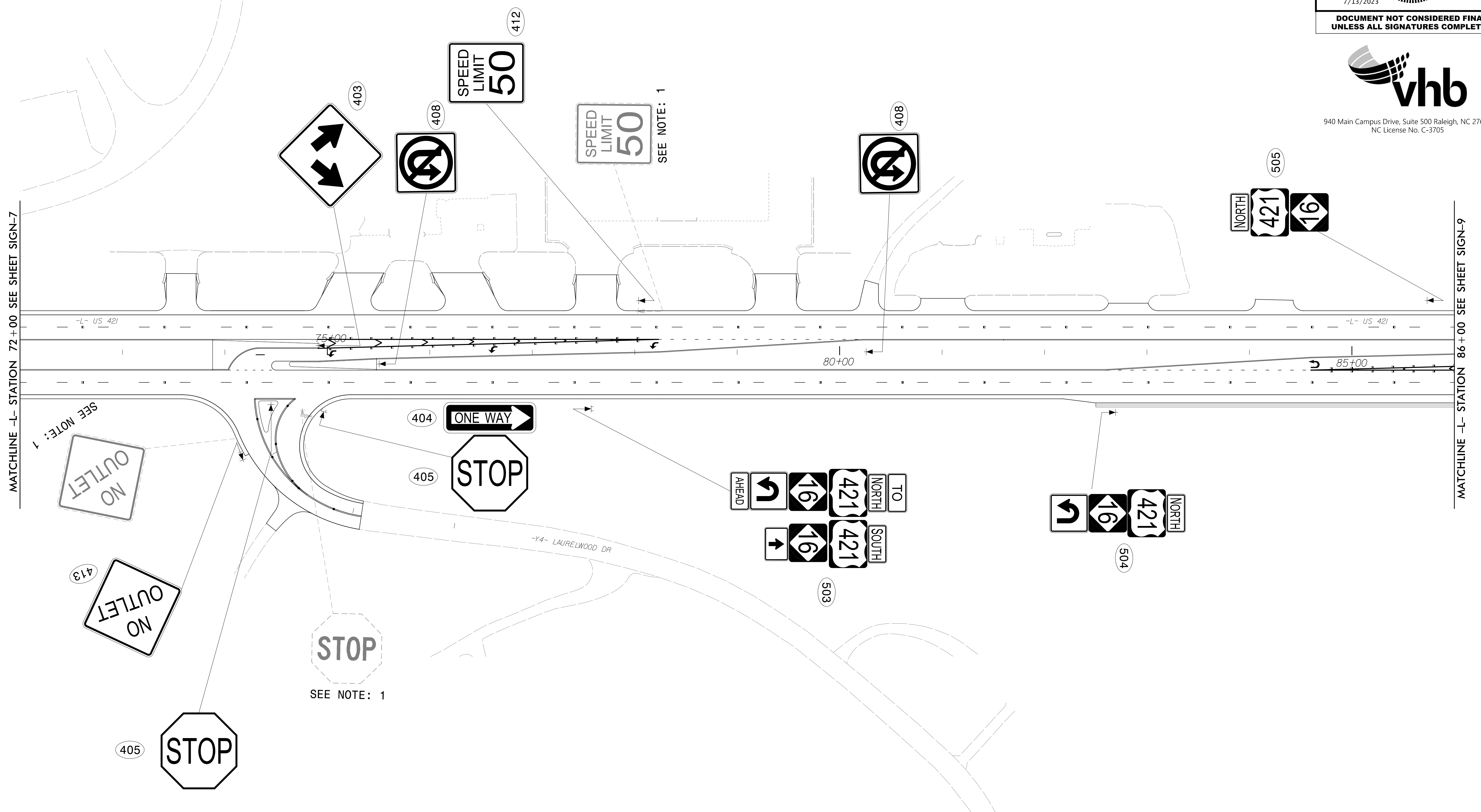


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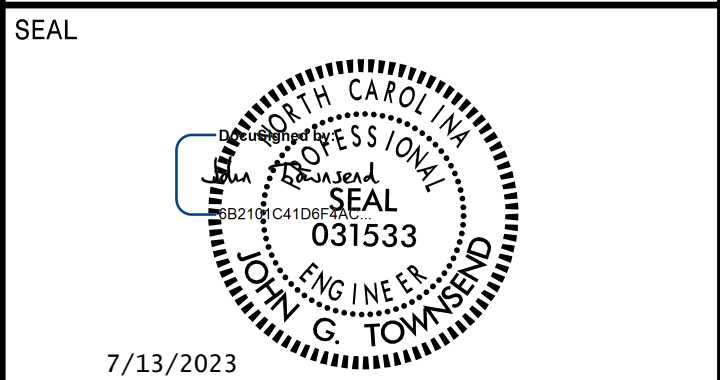
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 - 5 SIGN ERECTION, TYPE D, E AND F



**EXISTING AND PROPOSED
SIGNS**

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 User:jtownsend

APPROVED: _____
 DATE: _____

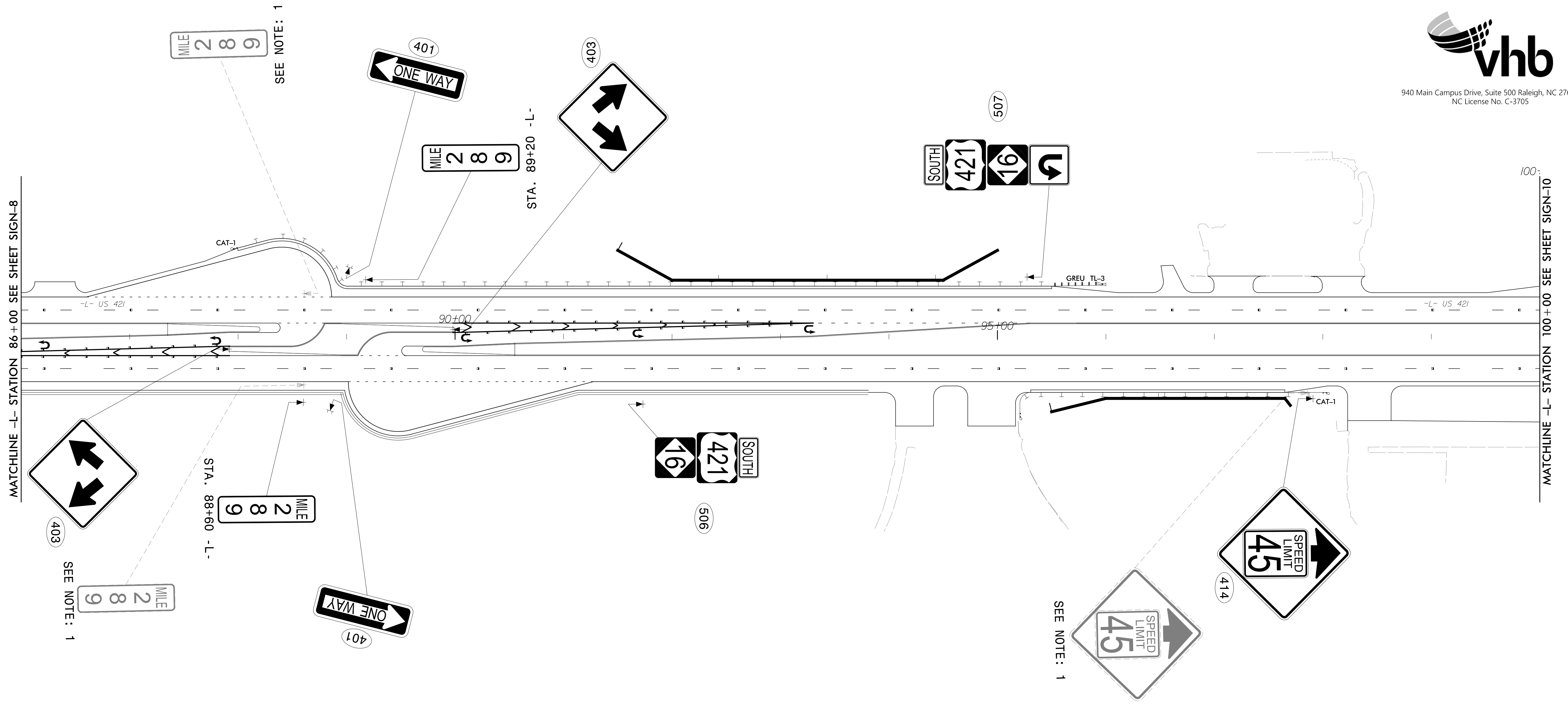


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- PROJECT NOTES**
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 - 3 DISPOSAL OF SIGN SYSTEM, SPAN WIRE
 - 4 SIGN ERECTION, TYPE A, B
 - 5 SIGN ERECTION, TYPE D, E AND F

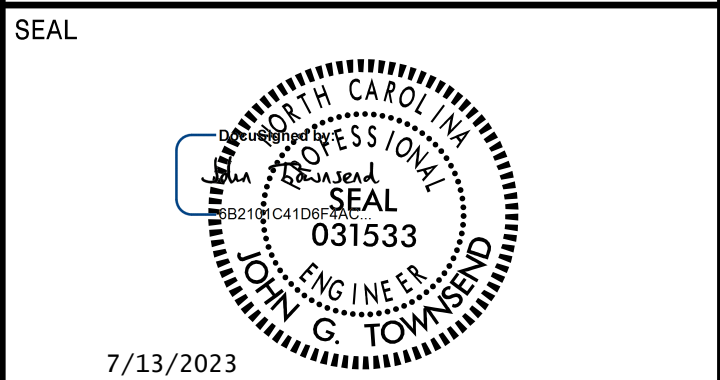


MATCHLINE -L- STATION 86+00 SEE SHEET SIGN-8

MATCHLINE -L- STATION 100+00 SEE SHEET SIGN-10

**EXISTING AND PROPOSED
 SIGNS**

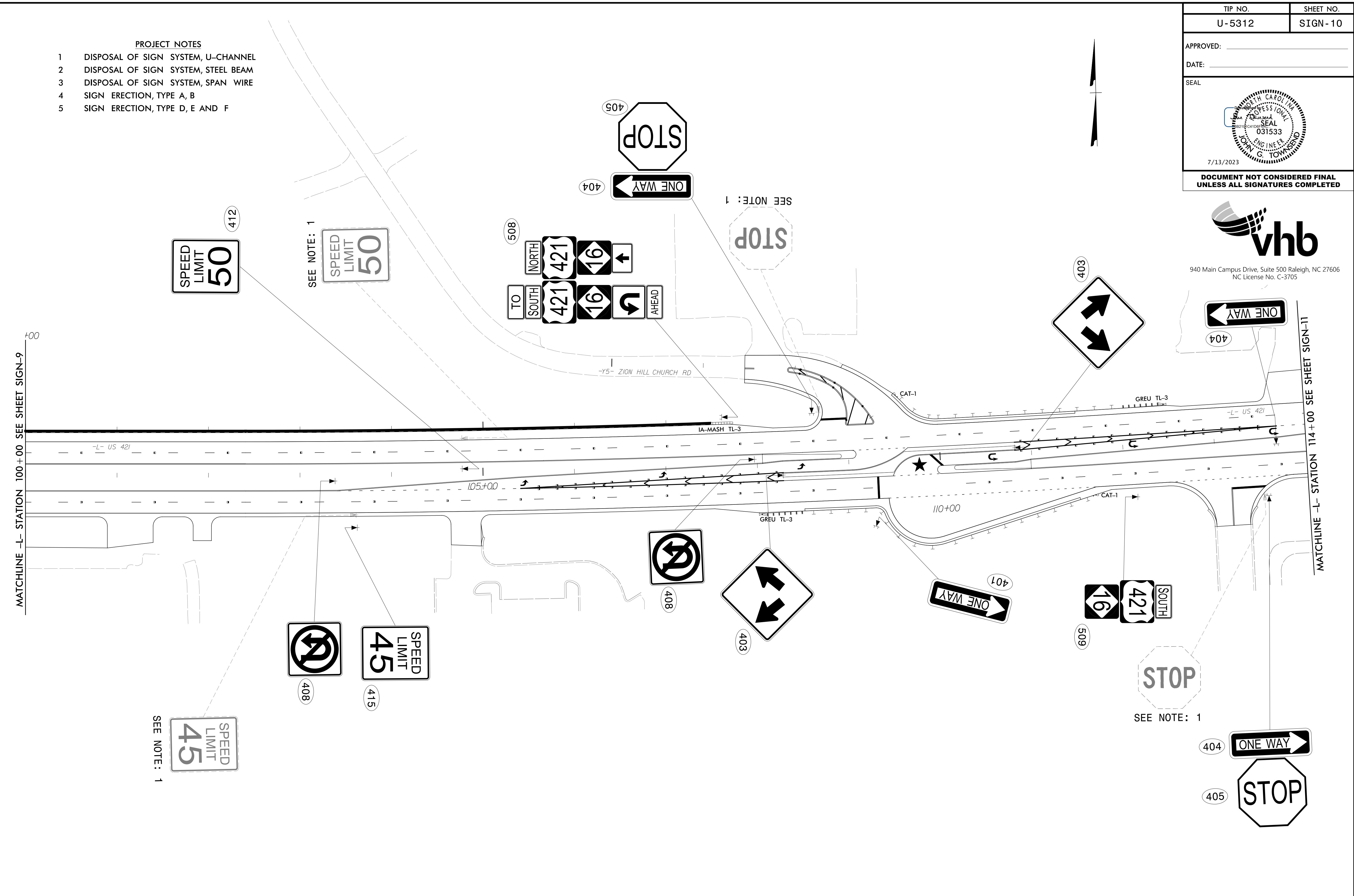
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- PROJECT NOTES**
- DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 - DISPOSAL OF SIGN SYSTEM, SPAN WIRE
 - SIGN ERECTION, TYPE A, B
 - SIGN ERECTION, TYPE D, E AND F

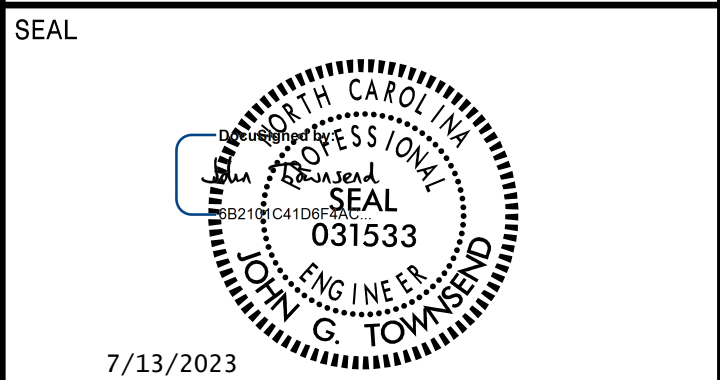


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 User:jtownsend

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 DATE: _____

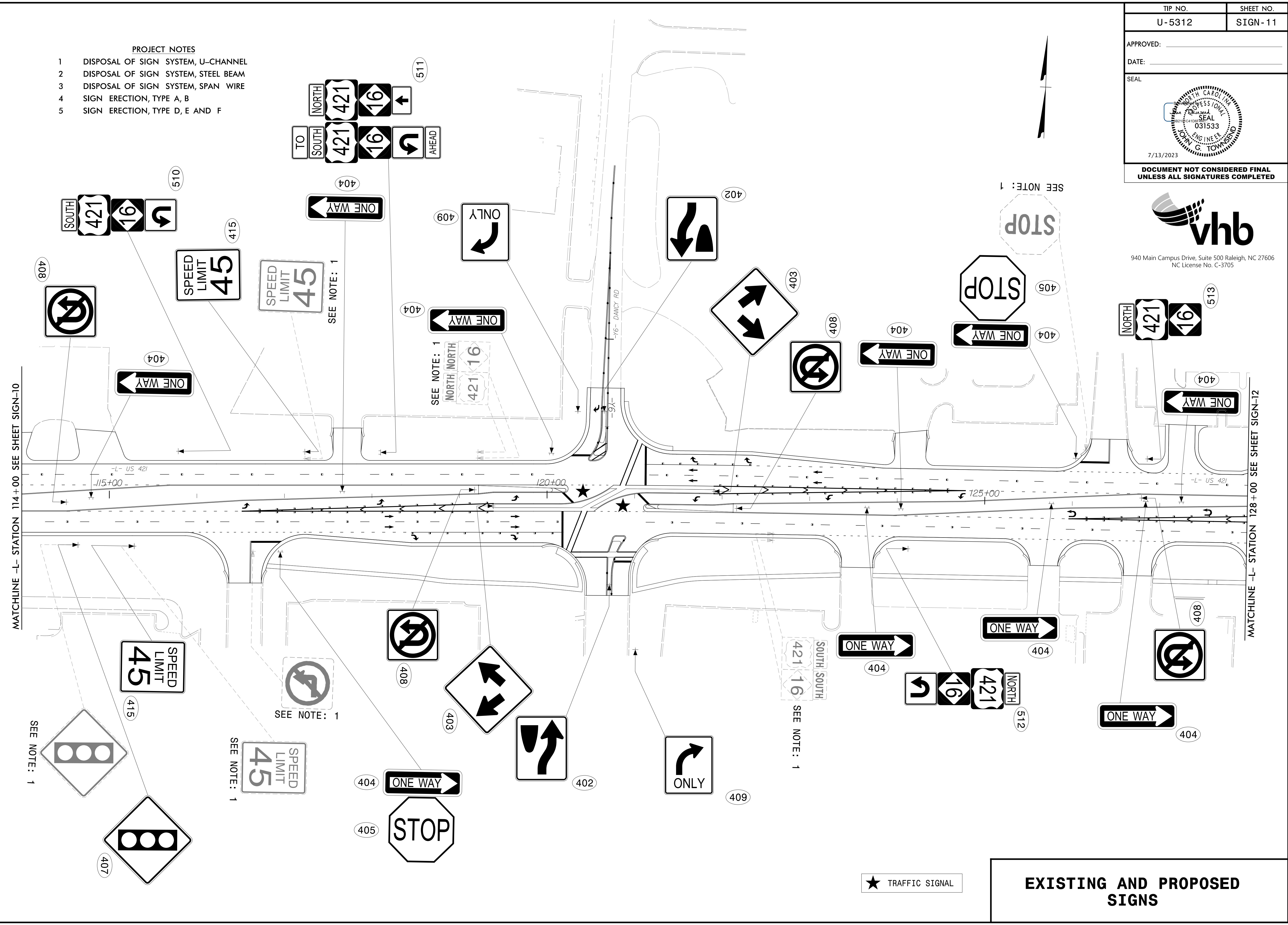


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MATCHLINE -L- STATION 114+00 SEE SHEET SIGN-10

MATCHLINE -L- STATION 128+00 SEE SHEET SIGN-12

SEE NOTE: 1

SEE NOTE: 1

SEE NOTE: 1

SEE NOTE: 1

SEE NOTE: 1

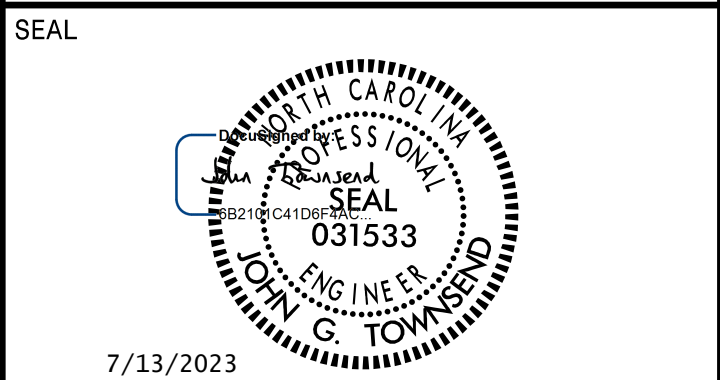
SEE NOTE: 1

SEE NOTE: 1

★ TRAFFIC SIGNAL

**EXISTING AND PROPOSED
SIGNS**

APPROVED: _____
 DATE: _____

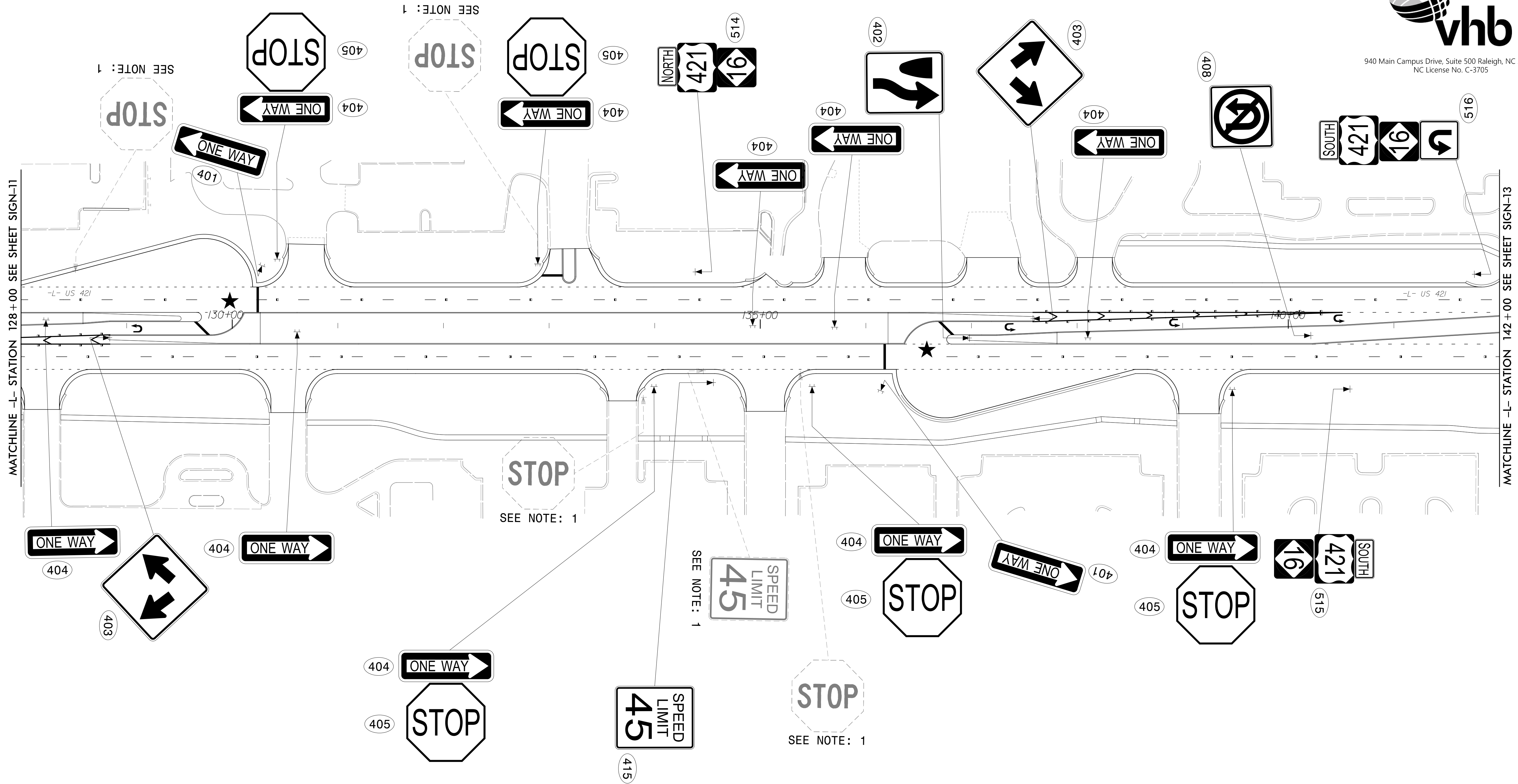


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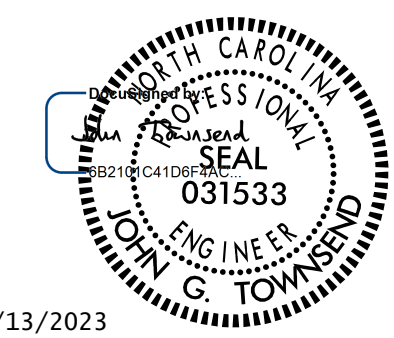
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★ TRAFFIC SIGNAL

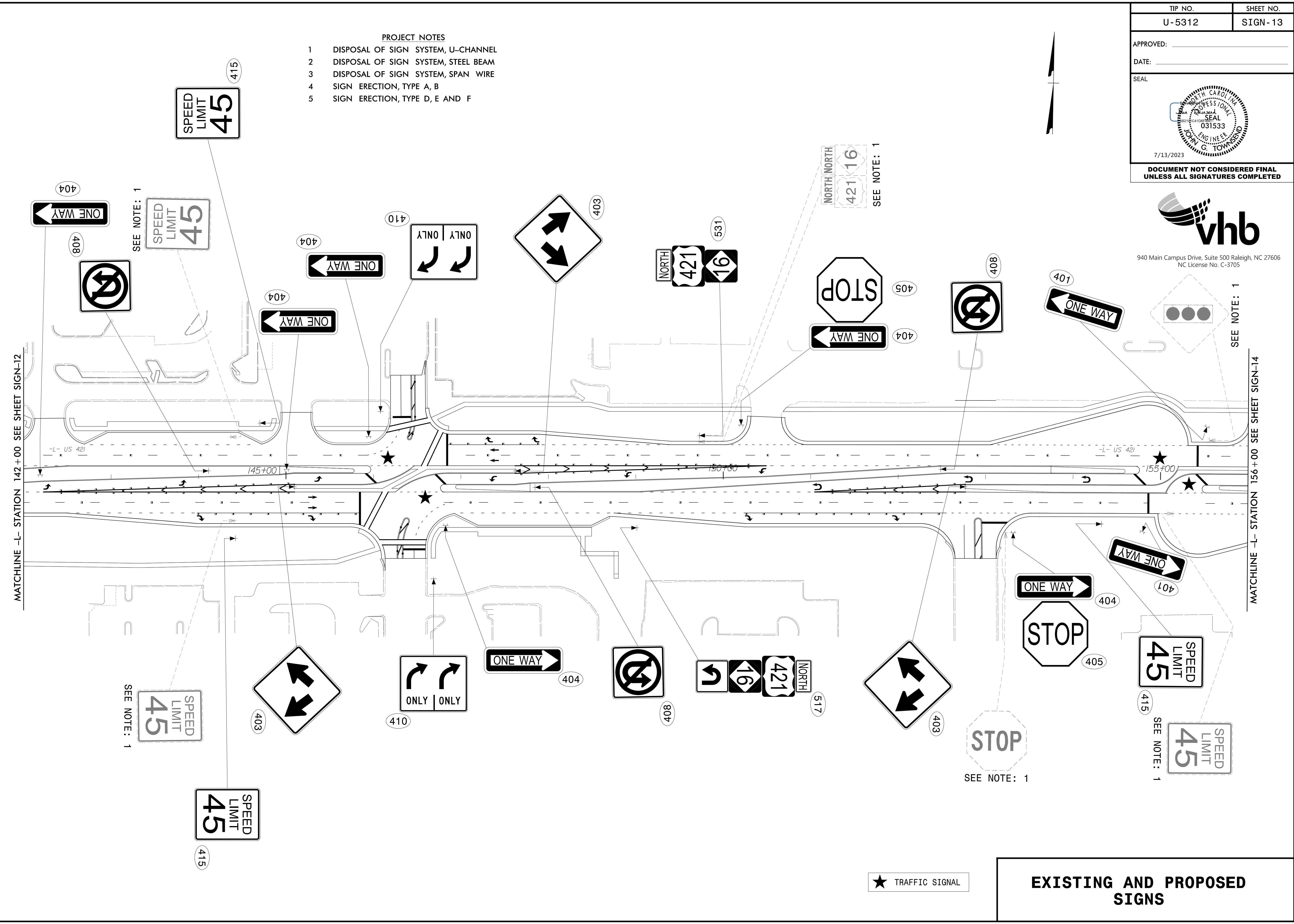
**EXISTING AND PROPOSED
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 User:jtownsend

TIP NO. U-5312	SHEET NO. SIGN-13
APPROVED: _____	
DATE: _____	
SEAL	
	
7/13/2023	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



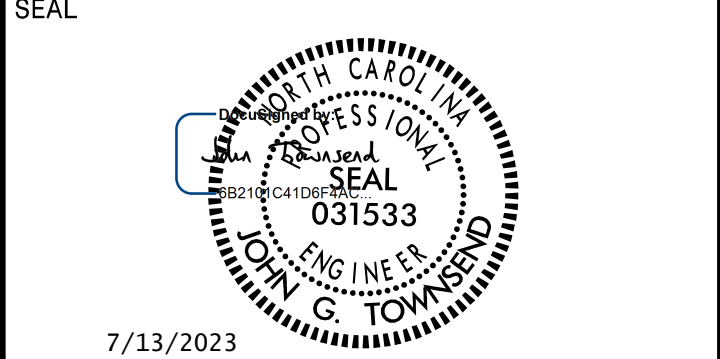
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03/10/23
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 User:jtowndse

EXISTING AND PROPOSED SIGNS

APPROVED: _____
 DATE: _____

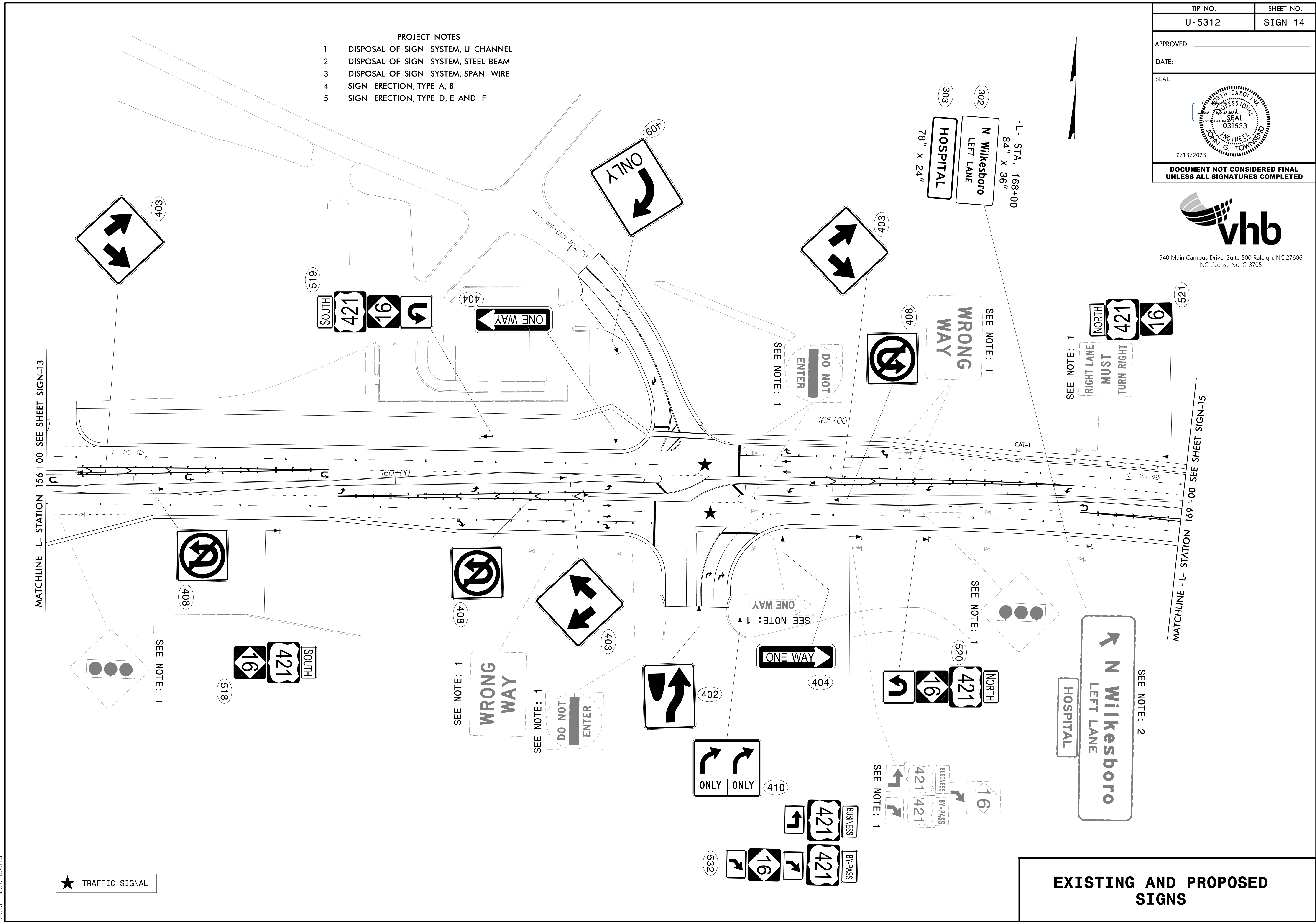


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- PROJECT NOTES**
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 - DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 - DISPOSAL OF SIGN SYSTEM, SPAN WIRE
 - SIGN ERECTION, TYPE A, B
 - SIGN ERECTION, TYPE D, E AND F



MATCHLINE -L- STATION 156+00 SEE SHEET SIGN-13

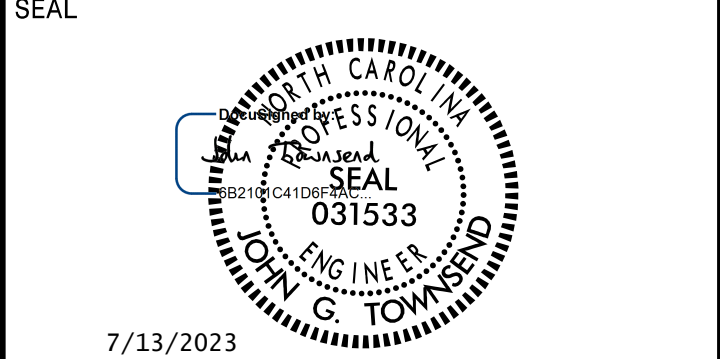
MATCHLINE -L- STATION 169+00 SEE SHEET SIGN-15

★ TRAFFIC SIGNAL

**EXISTING AND PROPOSED
 SIGNS**

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 User:jtownsend

APPROVED: _____
 DATE: _____

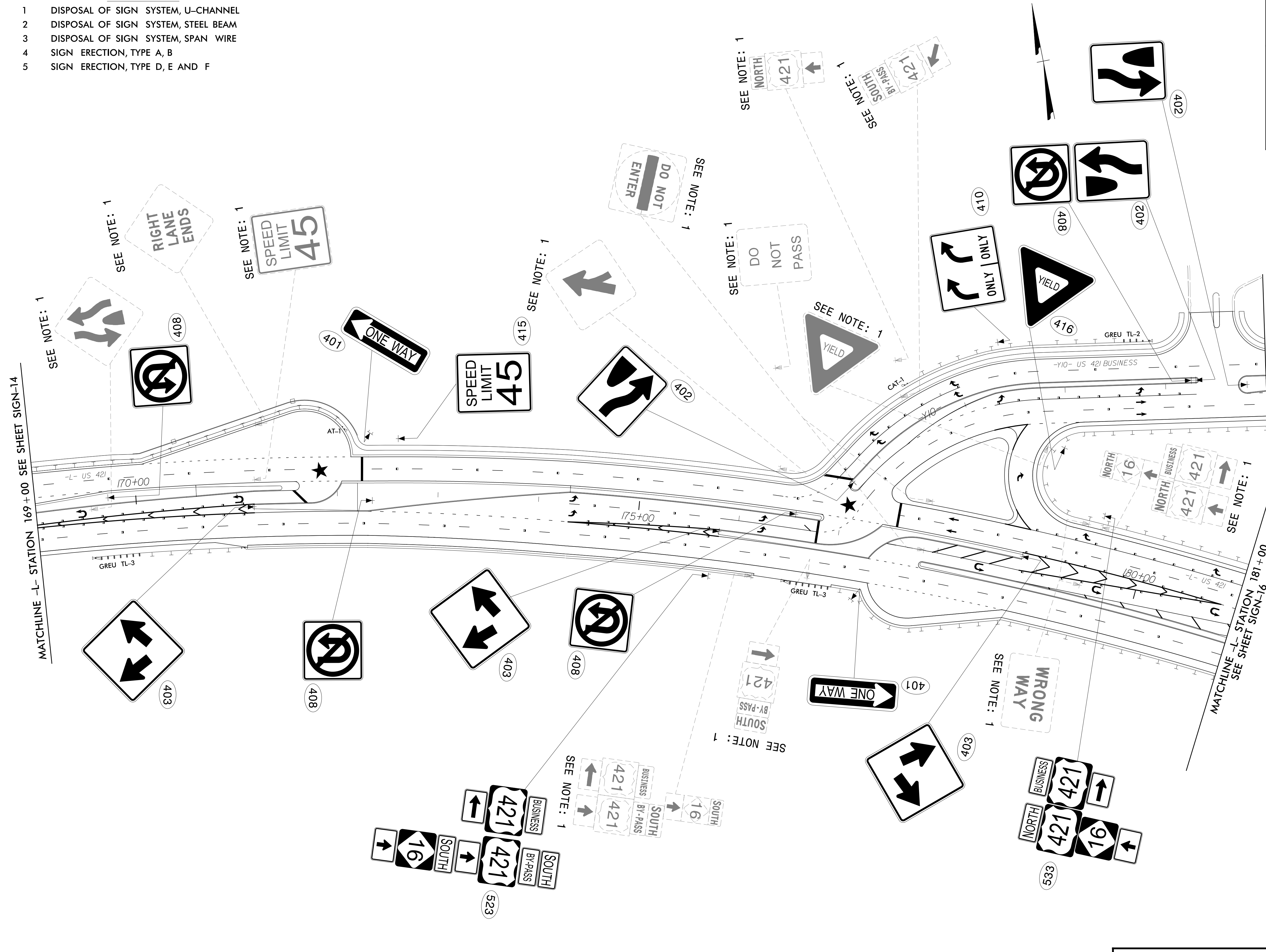


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- PROJECT NOTES**
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 - DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 - DISPOSAL OF SIGN SYSTEM, SPAN WIRE
 - SIGN ERECTION, TYPE A, B
 - SIGN ERECTION, TYPE D, E AND F

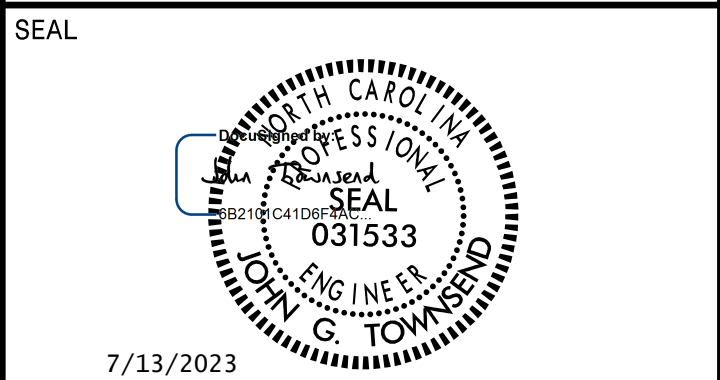


★ TRAFFIC SIGNAL

**EXISTING AND PROPOSED
SIGNS**

05/03/23
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 User:jtownsend

APPROVED: _____
 DATE: _____

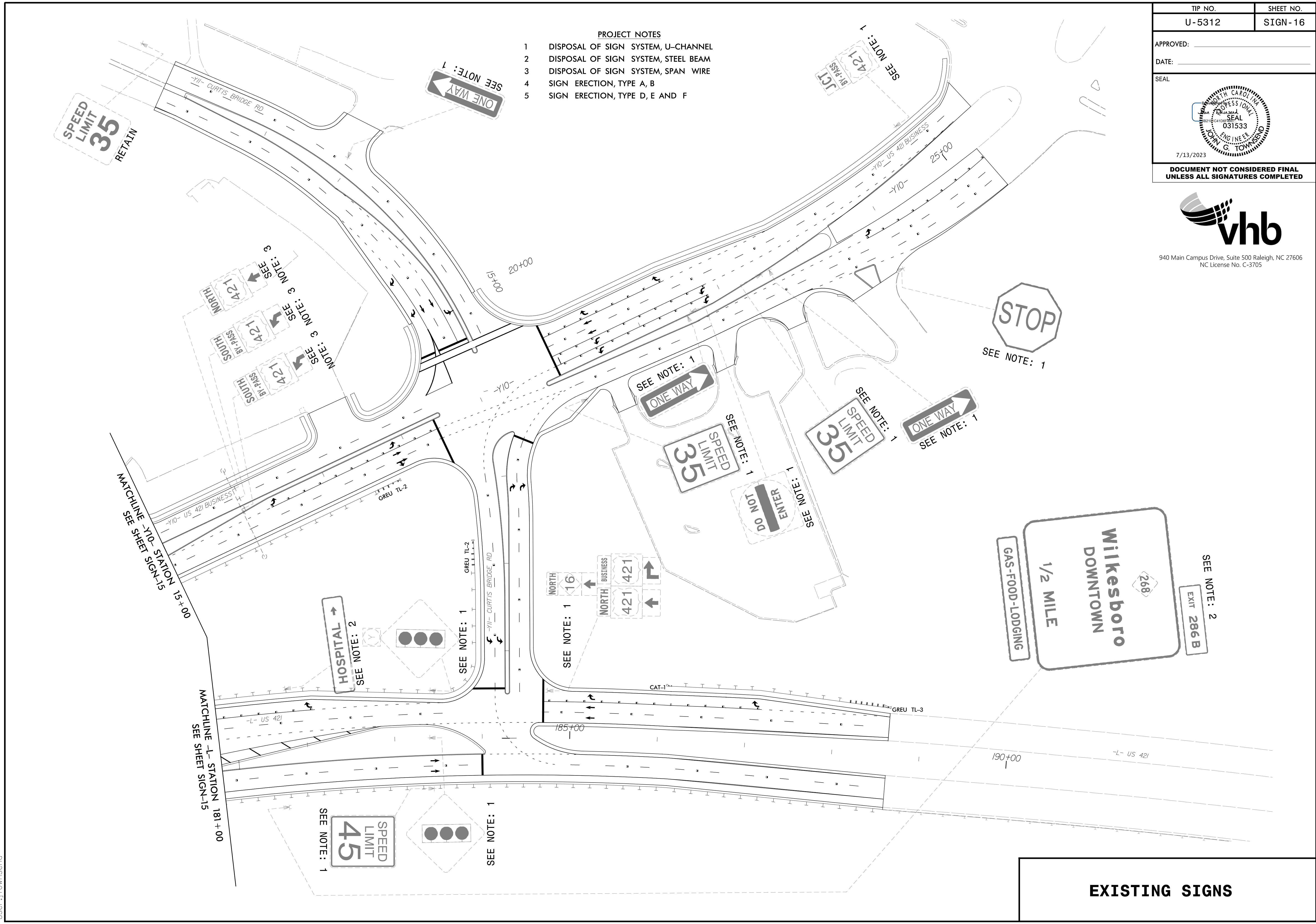


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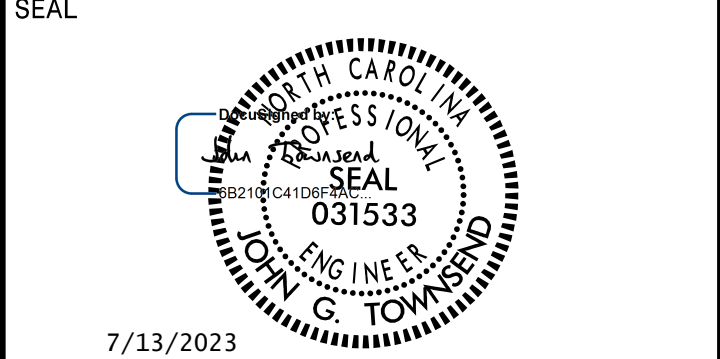
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EXISTING SIGNS

03/10/23
 R:\Traffic\Signing\CADD\Signing Layout Plans\U5312_sgn_psh6.dgn
 User:jtownsend

APPROVED: _____
 DATE: _____

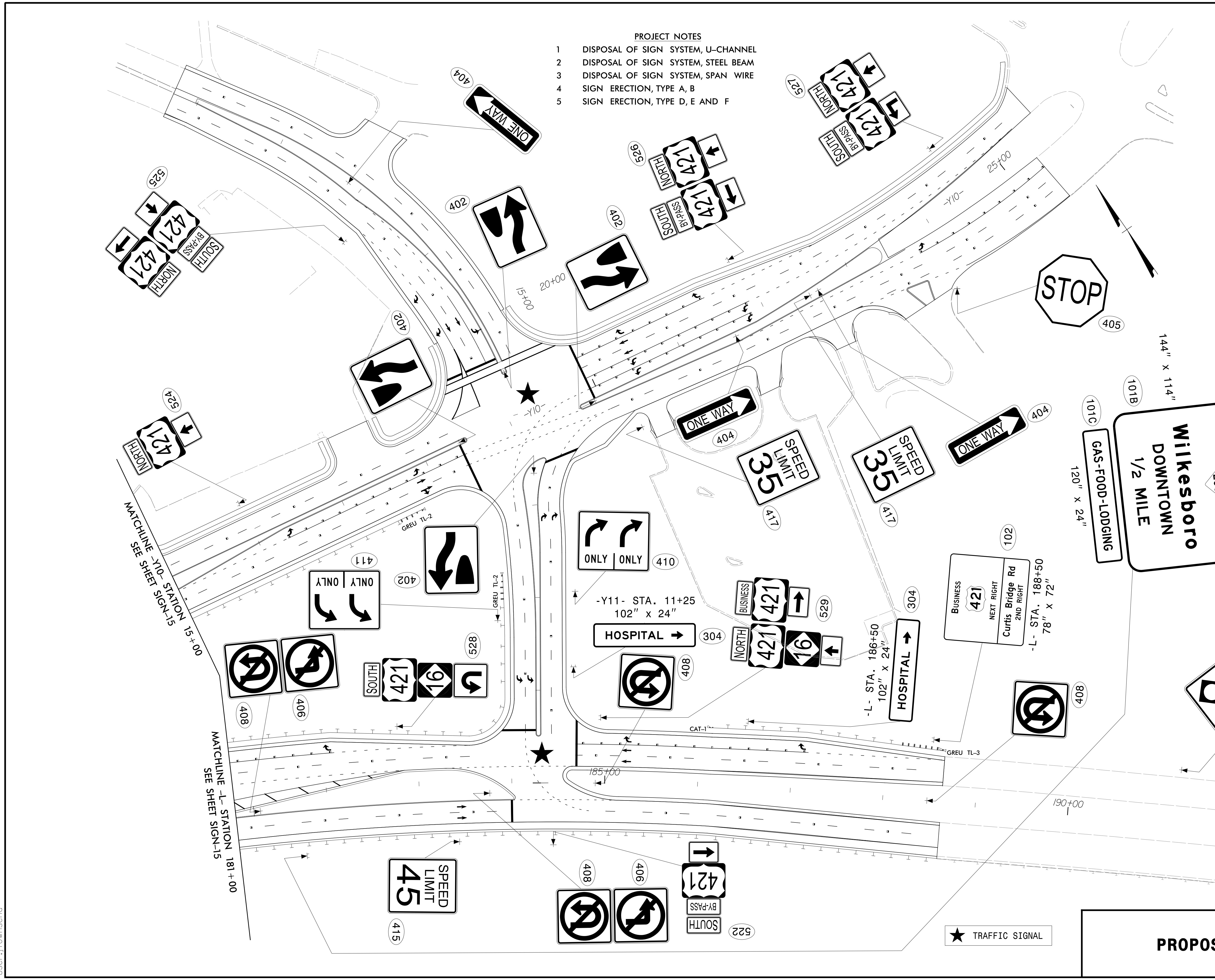


DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



940 Main Campus Drive, Suite 500 Raleigh, NC 27606
 NC License No. C-3705

- PROJECT NOTES**
- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - 2 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 - 3 DISPOSAL OF SIGN SYSTEM, SPAN WIRE
 - 4 SIGN ERECTION, TYPE A, B
 - 5 SIGN ERECTION, TYPE D, E AND F



05/03/23
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 User:jtownsend

PROPOSED SIGNS