

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SIGNING PLAN HAYWOOD COUNTY

LOCATION: B-3186, BRIDGES 430155 AND 430158 OVER RICHLAND CREEK ON US 23/74
B-5898, BRIDGE 430168 OVER US 19/23 ON US 23/74

B-3186 / B-5898

SIGN I

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

Designed by: *Jeffrey D. Koontz*

APPROVED: *Jeffrey D. Koontz*

DATE: 12/12/2023

SEAL:

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SEAL

018122

ENGINEER

JEFFREY A. KOONTZ

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SEAL

018122

ENGINEER

JEFFREY A. KOONTZ

STATE OF NORTH CAROLINA
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SEAL

018122

ENGINEER

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018122

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DEPARTMENT OF TRANSPORTATION

SEAL

018122

ENGINEER

JEFFREY A. KOONTZ

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
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.40	MILEPOST AND PLACEMENT
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

- A) ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS UNLESS OTHERWISE INDICATED ON THE PLANS.
- B) WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- C) ALL EXISTING SIGNS ON 'U' CHANNEL POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- D) WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- E) THE BACKGROUND FOR TYPE 'E' AND 'F' SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- F) SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.
- G) DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL 'S' DIMENSIONS HAVE BEEN FIELD VERIFIED.
- H) COORDINATE LOGO SIGNS WITH DARRYN KNIGHT (828-631-1154) AT DIVISION 14.

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	QUANTITY			UNIT
		B-3186	B-5898	TOTAL	
402500000-E	901 CONTRACTOR FURNISHED, TYPE A SIGN	273	540	813	SF
402500000-E	901 CONTRACTOR FURNISHED, TYPE B SIGN	28	28	56	SF
402500000-E	901 CONTRACTOR FURNISHED, TYPE E SIGN	68	112	180	SF
402500000-E	901 CONTRACTOR FURNISHED, TYPE F SIGN	59	18	77	SF
404800000-E	902 REINFORCED CONCRETE SIGN FOUNDATIONS	6	2	8	CY
405400000-E	902 PLAIN CONCRETE SIGN FOUNDATIONS	0	1	1	CY
405700000-E	SP OVERHEAD FOOTING	0	40	40	CY
406000000-E	903 SUPPORTS, BREAKAWAY STEEL BEAM	779	0	779	LB
406600000-E	903 SUPPORTS, SIMPLE STEEL BEAM	4528	2100	6628	LB
407200000-E	903 SUPPORTS, 3-LB STEEL U-CHANNEL	150	220	370	LF
408210000-N	906 SUPPORTS, OVERHEAD SIGN STRUCTURE "A" AT STA -L_LT- 40+60	0	1	1	LS
410200000-N	904 SIGN ERECTION, TYPE E	5	8	13	EA
410800000-N	904 SIGN ERECTION, TYPE F	1	1	2	EA
411000000-N	904 SIGN ERECTION, TYPE A (GROUND MOUNTED)	1	2	3	EA
411000000-N	904 SIGN ERECTION, TYPE B (GROUND MOUNTED)	1	0	1	EA
411400000-N	904 SIGN ERECTION, MILEMARKERS	2	0	2	EA
411610000-N	904 SIGN ERECTION, RELOCATE TYPE A (GROUND MOUNTED)	0	1	1	EA
411610000-N	904 SIGN ERECTION, RELOCATE TYPE B (GROUND MOUNTED)	2	0	2	EA
413800000-N	907 DISPOSAL OF SUPPORT, STEEL BEAM	2	1	3	EA
415200000-N	907 DISPOSAL OF SIGN SYSTEM, STEEL BEAM	1	1	2	EA
414900000-N	907 DISPOSAL OF SIGN SYSTEM, OVERHEAD	0	1	1	EA
415500000-N	904 DISPOSAL OF SIGN SYSTEM, U-CHANNEL	8	7	15	EA

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	SIGNING PLAN TITLE AND QUANTITIES SHEET
SIGN-2	OVERHEAD STRUCTURE DETAIL
SIGN-2A	TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS
SIGN-3 & SIGN-4	SIGN DESIGNS
SIGN-5	TYPE 'E' AND 'F' INVENTORY
SIGN-6 - SIGN-9	SIGNING DETAILS

PLAN PREPARED BY: **AECOM**

NC FIRM LICENSE No-P-0342
5438 Wade Park Blvd., Suite 200
Raleigh, NC 27607
(919) 854-9200 • (919) 854-9259(FAX)

JEFFREY KOONTZ, P.E. PROJECT ENGINEER

NICK BLOME, EI DESIGN ENGINEER

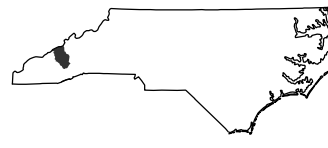
T.I.P.: B-3186 / B-5898

CONTRACT: C204684

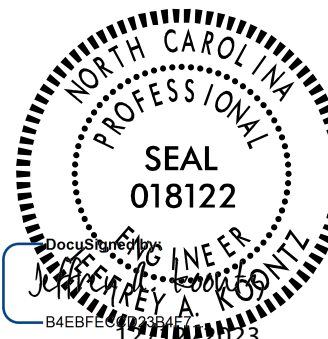
B-3186 / B-5898

SIGN 2

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HAYWOOD COUNTY

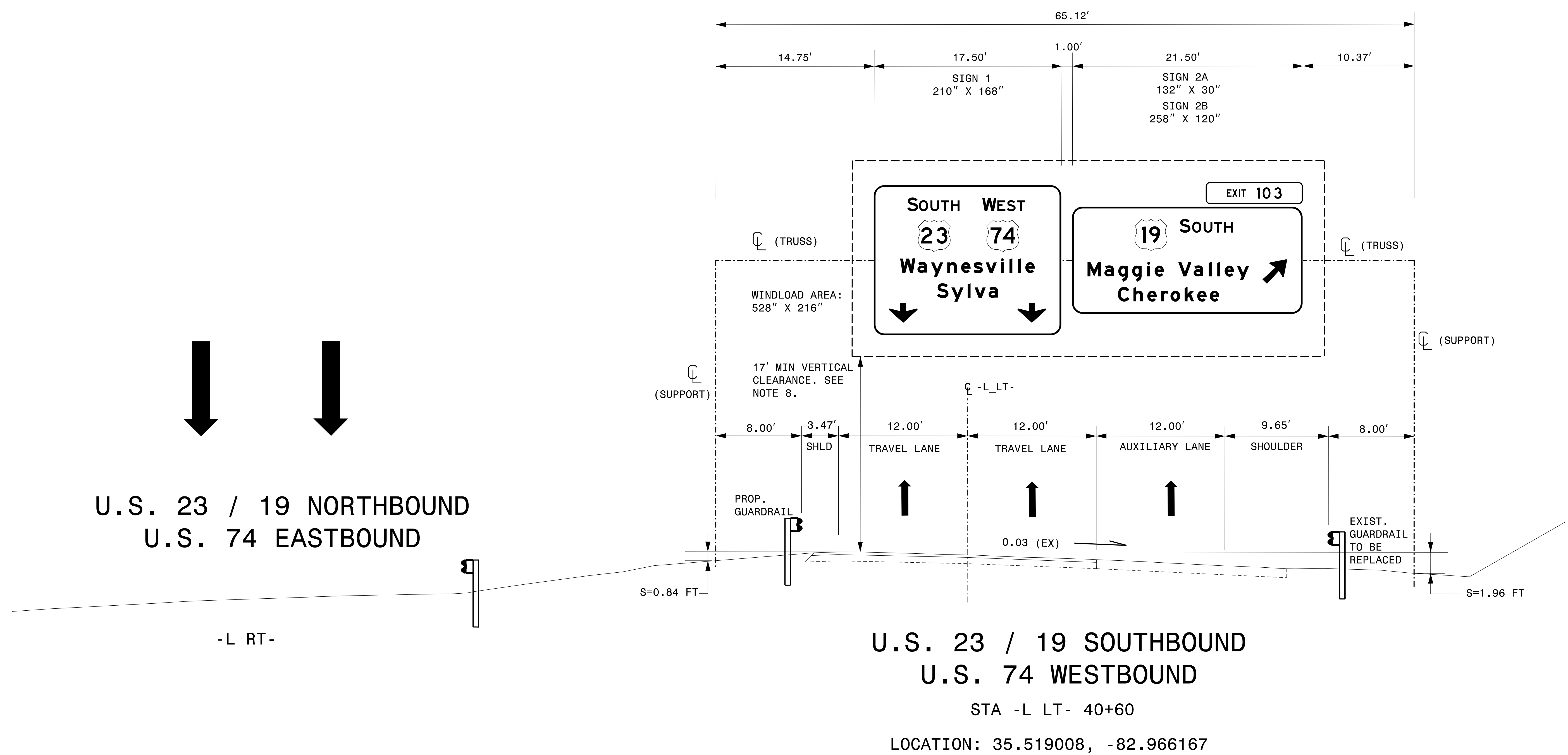


ROADWAY DESIGN UNIT
TRANSPORTATION ENGINEER



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PREPARED BY
AECOM
NC FIRM LICENSE No. F-0342
5438 Wade Park Blvd., Ste 200
Raleigh, NC 27607
919-854-6200



NOTES:

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
- THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

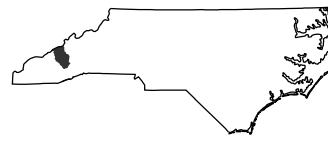
- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 MPH.
- WIND LOAD AREA FOR OVERHEAD SIGNS SHALL BE COMPUTED AT A 2' DISTANCE ABOVE, BELOW, AND ON EACH SIDE OF THE EXTENT OF THE SIGNS.
- MAXIMUM VERTICAL CLEARANCE SHALL BE 18' AND MEASURED FROM THE BOTTOM OF THE LOWEST WIND LOAD AREA TO THE SURFACE OF THE ROADWAY.
- SEE STANDARD 904-3(B)(3) FOR REQUIREMENTS OF NEW STRUCTURAL MEMBERS, MOUNTING HARDWARE FOR NEW SIGNS, SHOP DRAWINGS, BRACING, AND ACCESSORY HARDWARE FOR ATTACHMENTS.

OVERHEAD SIGN ASSEMBLY "A"

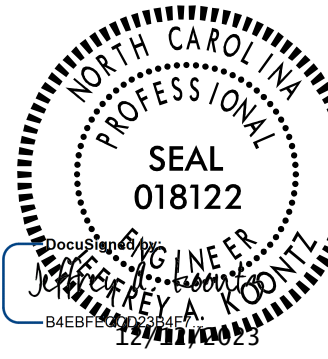
STA -L LT- 40+60

115' EAST OF EXISTING ASSEMBLY

B-3186 / B-5898
SIGN 2A
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 HAYWOOD COUNTY



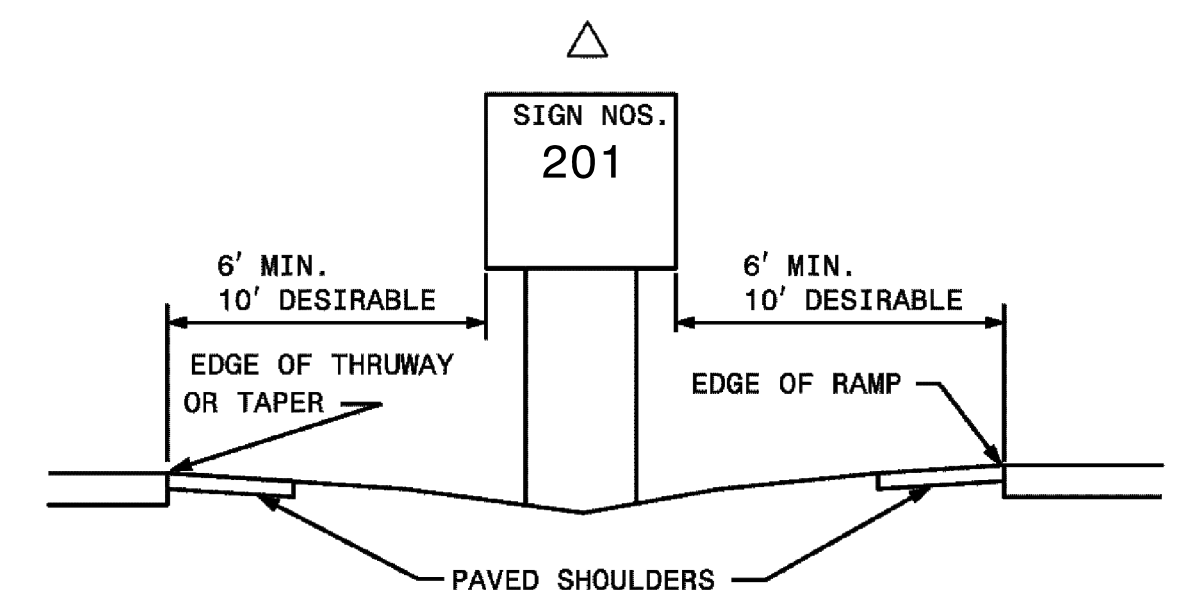
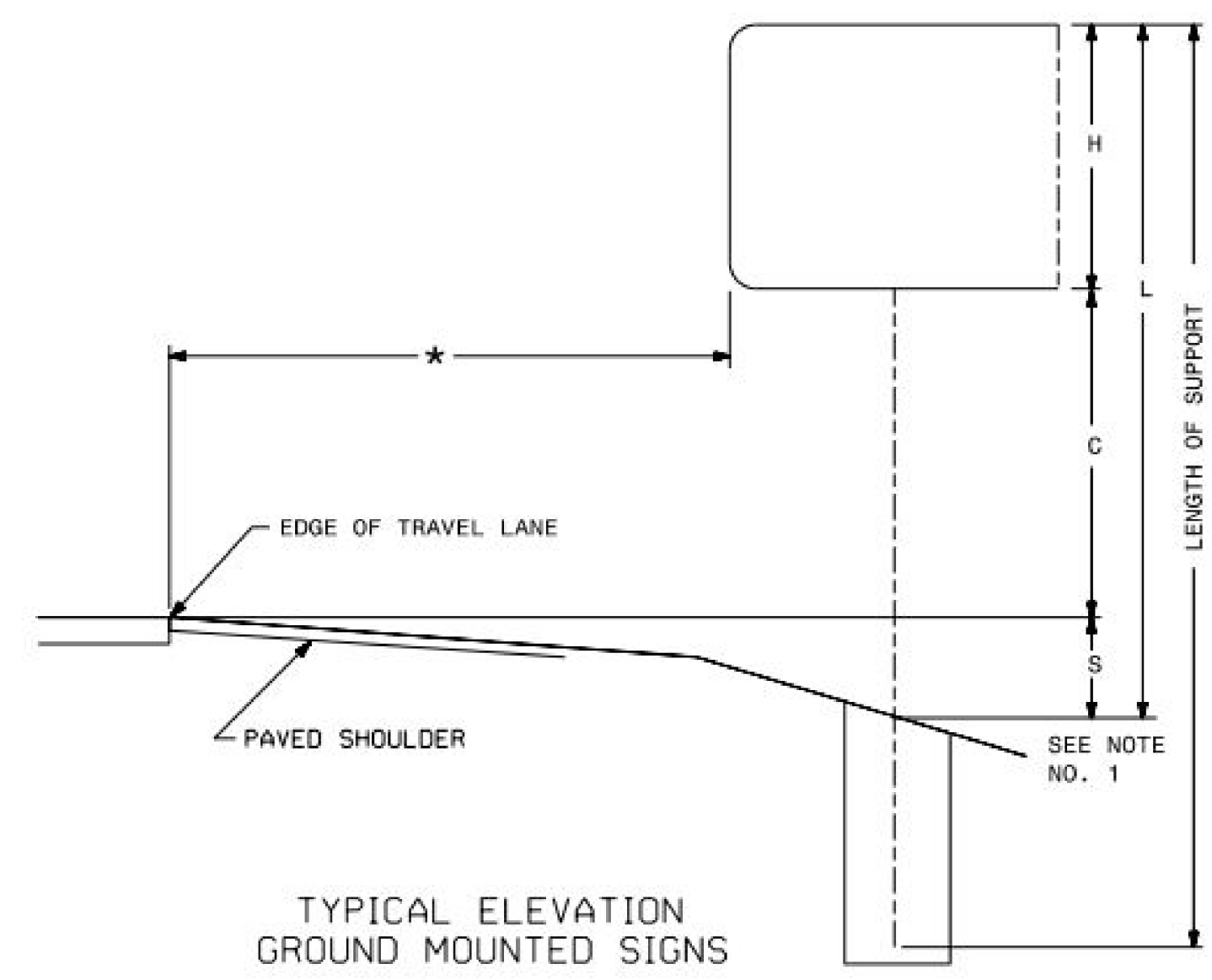
ROADWAY DESIGN UNIT
 TRANSPORTATION ENGINEER



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PREPARED BY
AECOM
 NC FIRM LICENSE No. F-0342
 5438 Wade Park Blvd., Ste 200
 Raleigh, NC 27607
 919-854-0200

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 101B	A B	252 132	x x	156 30	-L_RT- 10+27	3	W18x40	S	YES	N/A N/A	N/A I	20.00	7.46	15.50	7.00	0.0	3.11	25.61	25.61	6.62	29.12	29.12	11.51	34.01	34.01	0.00	3549.6	3.0	5	3.93	0.00	_____
102	A	120	x	96	-L_LT- 28+59	2	W6x16	S	N/A	N/A	N/A	20.00	5.86	8.00	7.00	3.5	7.24	22.24	25.74	0.00	0.00	0.00	4.16	19.16	22.66	0.00	774.4	1.5	4	0.52	0.00	_____
201	A	108	x	60	-L_LT- 34+70	2	S3x5.7	S	N/A	N/A	N/A	Δ	5.27	5.00	7.00	2.5	0.10	12.10	14.60	0.00	0.00	0.00	0.47	12.47	14.97	0.00	168.549	1.0	3	0.00	0.17	_____
901	A	180	x	138	-L_RT- 18+44	2	W8x21	S	YES	N/A	N/A	20.00	8.79	11.50	7.00	0.0	3.22	21.72	21.72	0.00	0.00	0.00	6.34	24.84	24.84	0.00	977.76	2.0	5	1.16	0.00	_____
902	A	180	x	120	-L_LT- 17+84	2	W8x18	BA	YES	N/A	N/A	30.00	8.79	10.00	7.00	0.0	4.97	21.97	21.97	0.00	0.00	0.00	4.30	21.30	21.30	778.86	0	2.0	4.5	1.05	0.00	_____
903	A	156	x	132	-L_RT- 37+00	2	W8x21	S	N/A	N/A	N/A	20.00	7.62	11.00	7.00	4.0	3.70	21.70	25.70	0.00	0.00	0.00	7.41	25.41	29.41	0.00	1157.31	2.0	4.5	1.05	0.00	_____
																		TOTAL	TOTAL					TOTAL	TOTAL							
																		778.86	6627.62					7.71	0.17							
																		USE:	779.00	6628.00					8.00	1.00						



NOTES:

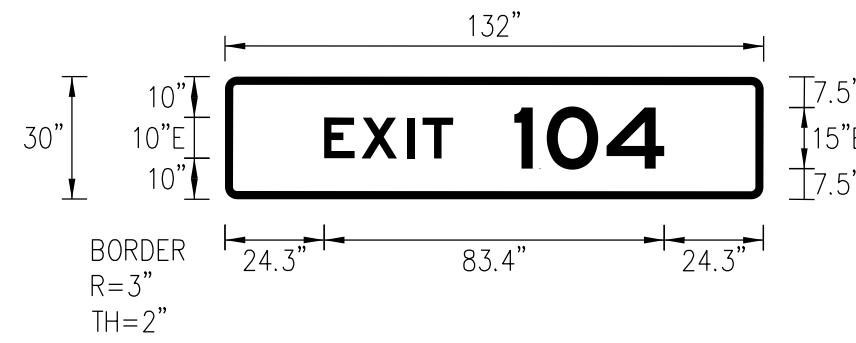
- DIMENSION "S" REPRESENTS AN INCREASE (+) OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. 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 'B'
GROUND MOUNTED SIGNS

SIGN NUMBER: 101A
 TYPE: B
 QUANTITY: 1
 SIGN WIDTH: 11'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 27.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 124.0

SYMBOL	X	Y	WID	HT

DESIGN BY: NICK BLOME, EI
 PROJECT ID: B-3186 / B-5898
 CHECKED BY: JEFFREY KOONTZ, PE
 LOCATION: HAYWOOD COUNTY
 Dec 11, 2023
 DIV: 14



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

LETTER POSITIONS

Letter spacings are to start of next letter

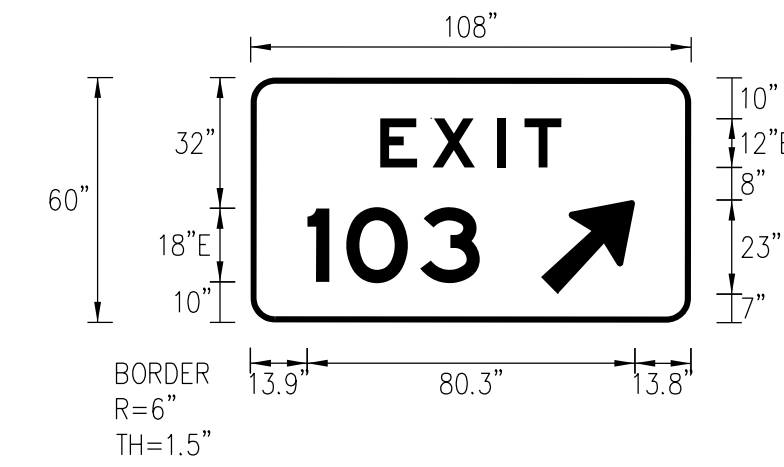
	E	X	I	T																	Series/Size Text Length	
	24.3	9.2	11.1	3.8	7.5	76.1															E 2000 31.6	
		1	0	4																		E 2000 44.4
	70.9	7.9	14.7	14.1	24.3																	E 2000 36.8

FILENAME: B5898-Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 201
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 9'-0"
 HEIGHT: 5'-0"
 TOTAL AREA: 45.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 6"
 NO. Z BARS: 2
 LENGTH: 100.0

SYMBOL	X	Y	WID	HT
Exit Arrow (Type A) 2012	71.2	7	18.25	29.25

DESIGN BY: NICK BLOME, EI
 PROJECT ID: B-3186 / B-5898
 CHECKED BY: JEFFREY KOONTZ, PE
 LOCATION: HAYWOOD COUNTY
 Dec 11, 2023
 DIV: 14



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

LETTER POSITIONS

Letter spacings are to start of next letter

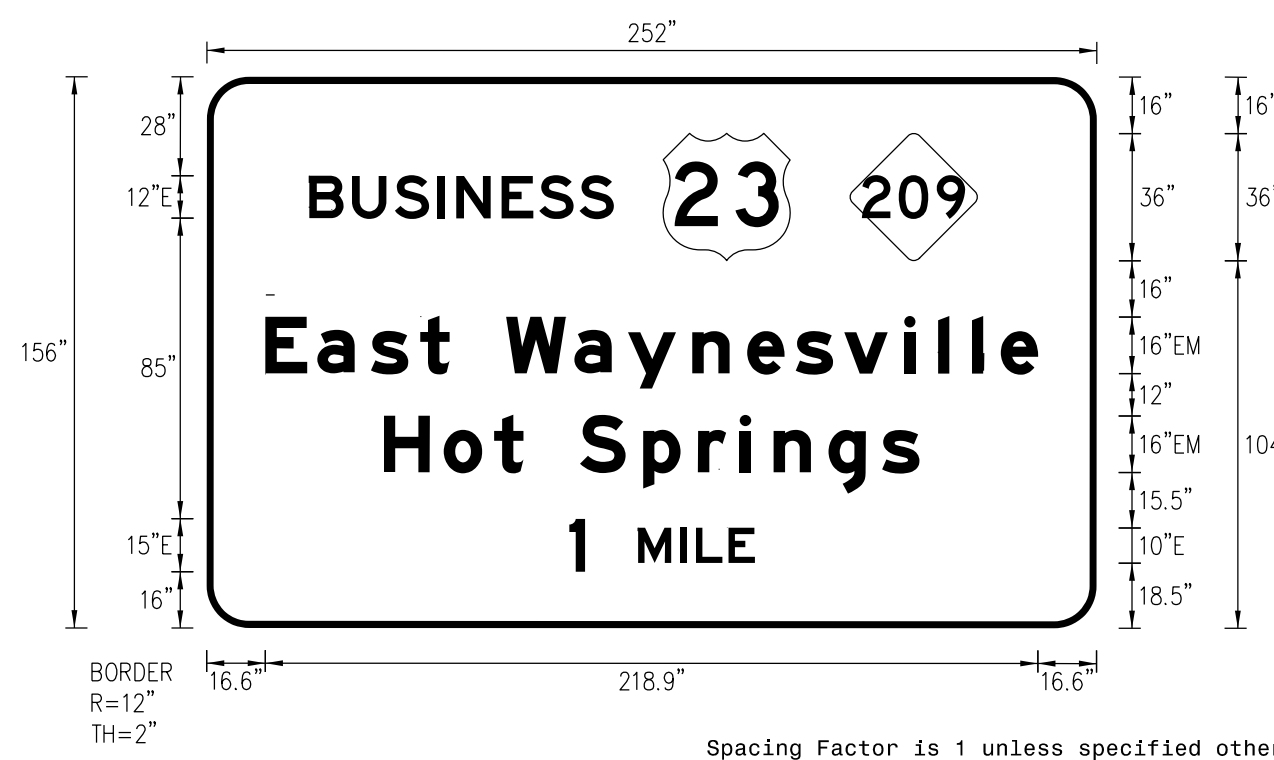
	E	X	I	T																	Series/Size Text Length	
	31.8	12.8	15.8	6.7	9	31.8																E 2000 44.4
		1	0	3																		E 2000 42.3
	13.9	9.5	18.2	14.6	51.8																	

FILENAME: B5898-Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 101B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 21'-0"
 HEIGHT: 13'-0"
 TOTAL AREA: 273.4 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 4
 LENGTH: 244.1

SYMBOL	X	Y	WID	HT
M1_4	129.3	104.1	36	36
M1-5-3-24-80	182.3	104.2	36	36

DESIGN BY: NICK BLOME, EI
 PROJECT ID: B-3186
 CHECKED BY: JEFFREY KOONTZ, PE
 LOCATION: HAYWOOD COUNTY
 Dec 11, 2023
 DIV: 14



- USE NOTES: 1, 2, 3
- 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

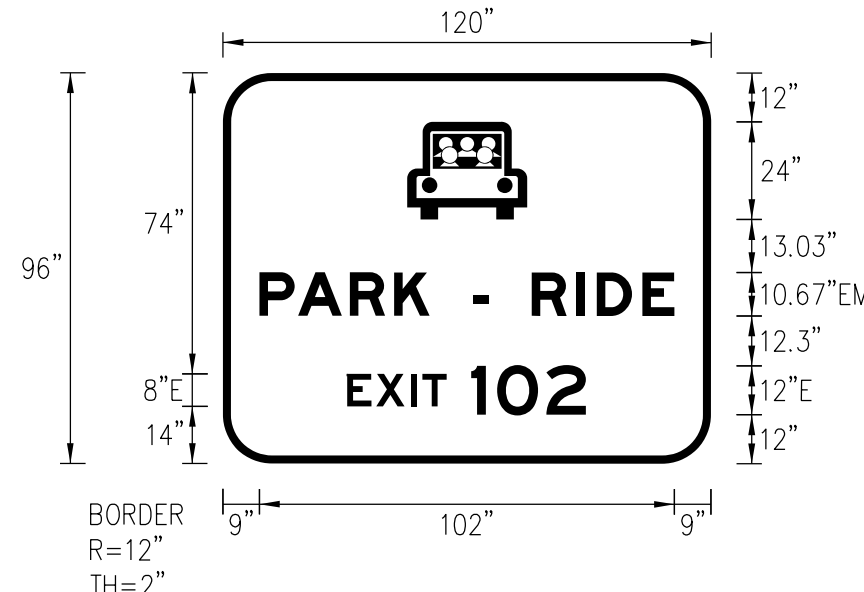
	B	U	S	I	N	E	S	S														Series/Size Text Length	
	29	12.1	12.1	12.1	5.3	12.8	10.7	11.4	9.7	136.8												E 2000 86.3	
		E	g	s	t	W	a	y	n	e	s	v	i	l	i	e							EM 2000 218.9
	16.6	14.7	15.2	13.9	8.3	16	19.4	15.2	18.2	15.5	13.8	13.8	17	9.6	9.6	8.2	10.6	16.6				EM 2000 151.7	
		H	o	t	S	p	r	i	n	g	s												EM 2000 52.6
	50.2	17	14.2	8.3	16	17.9	15.5	11.8	9.6	15.5	15.2	10.6	50.2										
		1	M	I	L	E																	
	102.7	4.5	15	12	4.4	9.2	7.5	96.8															

FILENAME: B5898-Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 102
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 10'-0"
 HEIGHT: 8'-0"
 TOTAL AREA: 80.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 112.0

SYMBOL	X	Y	WID	HT
Park and Ride	45.3	60	29.5	24

DESIGN BY: NICK BLOME, EI
 PROJECT ID: B-3186 / B-5898
 CHECKED BY: JEFFREY KOONTZ, PE
 LOCATION: HAYWOOD COUNTY
 Dec 05, 2023
 DIV: 14



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

	P	A	R	K	-	R	I	D	E													Series/Size Text Length	
	9	9.5	12.7	10.9	8.7	10.7	3.7	10.7	10.9	5.1	11.2	7.9	9									EM 2000 102	
		E	X	I	T					1	0	2											E 2000 58.7
	30.6	7.1	8.6	2.8	6	6	6.4	12.1	9.7	30.8													

FILENAME: B5898-Designs NORTH CAROLINA D.O.T. SIGN DETAIL

B-3186/B-5898
 SIGN 3
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 HAYWOOD COUNTY
 ROADWAY DESIGN UNIT
 TRANSPORTATION
 ENGINEER
 SEAL
 018122
 12/16/2023

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PREPARED BY
AECOM
 NC FIRM LICENSE No. P-0542
 5458 Wade Park Blvd., Ste 200
 Raleigh, NC 27607
 919-854-6200

SIGN DESIGNS

SIGN NUMBER: 1
TYPE: A
QUANTITY: 1
BACKG COLOR: Green
COPY COLOR: White
SIGN WIDTH: 17'-6"
HEIGHT: 14'-0"
TOTAL AREA: 245.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 4
LENGTH: 202.0

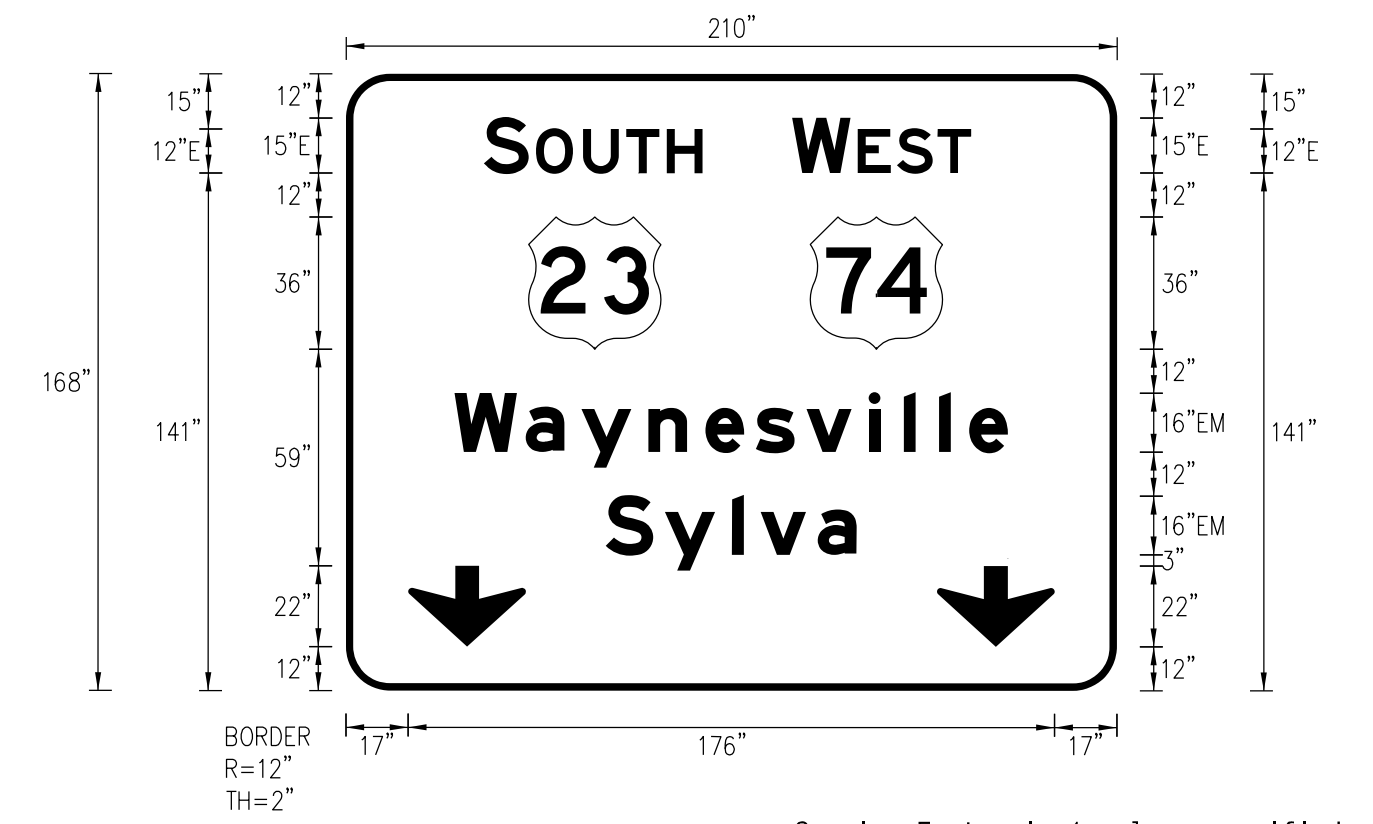
SYMBOL	X	Y	WID	HT
M1_4	49.7	93	36	36
M1_4	126.5	93	36	36
ARDOWN	17	12	32	22
ARDOWN	161	12	32	22

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1, 2, 3

- 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 C reflective sheeting and demountable.

DESIGN BY: NICK BLOME, EI
CHECKED BY: JEFFREY KOONTZ, PE
PROJECT ID: B-5898
LOCATION: HAYWOOD COUNTY
Dec 11, 2023
DIV: 14



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size Text Length	
37.6	12.2	2	12.8	11.8	11	9.7	112.9					E 2000 59.5	
121.5	15.9	2	10.7	11	9	39.9						E 2000 48.6	
29.6	19.4	15.2	18.2	15.5	13.8	13.8	17	9.6	9.6	8.2	10.6	29.7	EM 2000 150.7
70.8	16.2	18.2	7.8	15.5	10.6	70.9							EM 2000 68.3

FILENAME: B5898-Designs

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2B
TYPE: A
QUANTITY: 1
BACKG COLOR: Green
COPY COLOR: White
SIGN WIDTH: 21'-6"
HEIGHT: 10'-0"
TOTAL AREA: 215.1 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 250.0

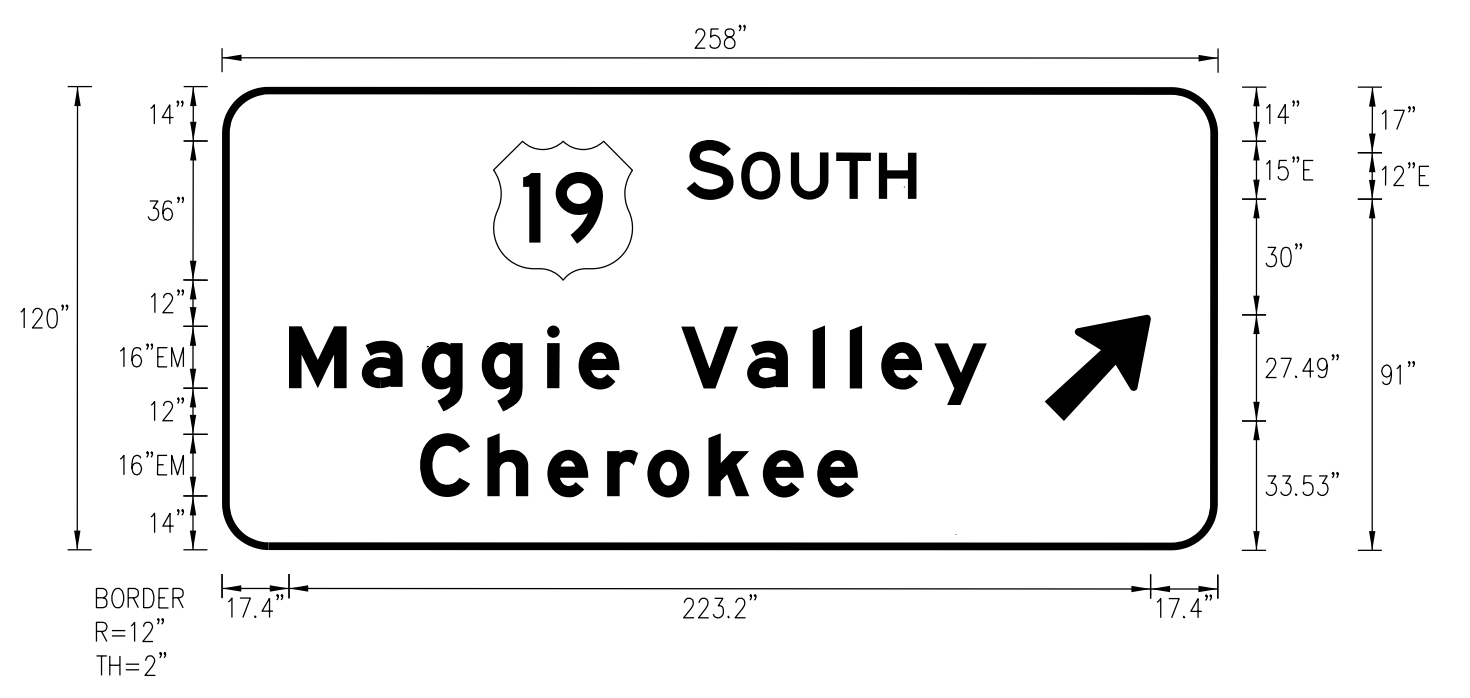
SYMBOL	X	Y	WID	HT
M1_4	70.3	69.9	36	36
AR_Type A	213.2	33.5	22.25	35

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1, 2, 3

- 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 C reflective sheeting and demountable.

DESIGN BY: NICK BLOME, EI
CHECKED BY: JEFFREY KOONTZ, PE
PROJECT ID: B-5898
LOCATION: HAYWOOD COUNTY
Dec 11, 2023
DIV: 14



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size Text Length			
120.4	12.2	2	12.8	11.8	11	9.7	78.1					E 2000 59.5			
17.4	18.9	15.5	15.5	17	8.2	10.6	16	17.1	17	9.6	8.2	13.8	13.6	59.9	EM 2000 180.8
51.3	17.4	15.5	15.5	10.4	15.8	14.1	14.1	10.6	93.2						EM 2000 113.4

FILENAME: B5898-Designs

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2A
TYPE: B
QUANTITY: 1
BACKG COLOR: Green
COPY COLOR: White
SIGN WIDTH: 11'-0"
HEIGHT: 2'-6"
TOTAL AREA: 27.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 3"
NO. Z BARS: 2
LENGTH: 124.0

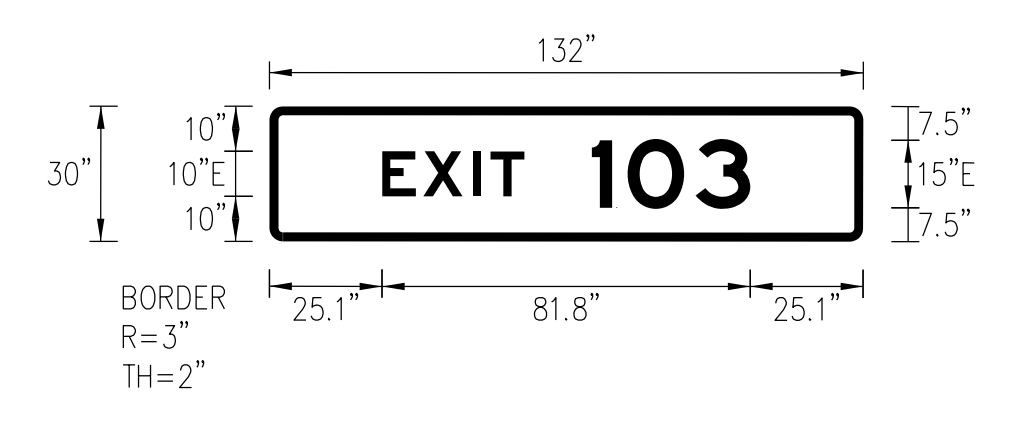
SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1, 2

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

DESIGN BY: NICK BLOME, EI
CHECKED BY: JEFFREY KOONTZ, PE
PROJECT ID: B-3186 / B-5898
LOCATION: HAYWOOD COUNTY
Dec 11, 2023
DIV: 14



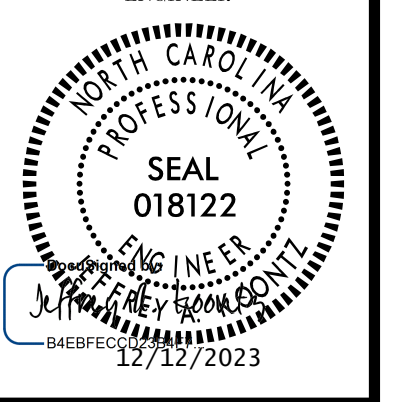
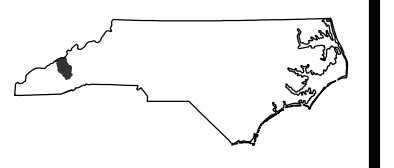
Spacing Factor is 1.2 for 'EXIT'

LETTER POSITIONS

Letter spacings are to start of next letter							Series/Size Text Length
25.1	9.2	11.1	3.8	7.5	75.3		E 2000 31.6
71.7	7.9	15.1	12.2	25.1			E 2000 35.3

FILENAME: B5898-Designs

NORTH CAROLINA D.O.T. SIGN DETAIL

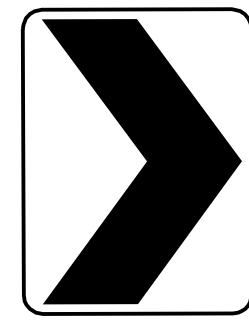


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 919-854-6200

SIGN DESIGNS

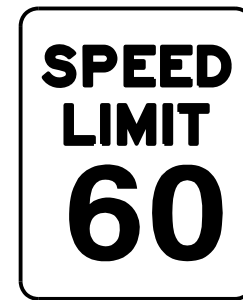
401 QUANTITY REQ'D: 8



W1-8
36" X 48"

ONE "U" POST PER SIGN

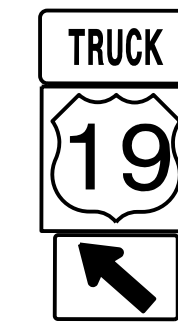
405 QUANTITY REQ'D: 1



R2-1
48" X 60"

TWO "U" POST PER SIGN

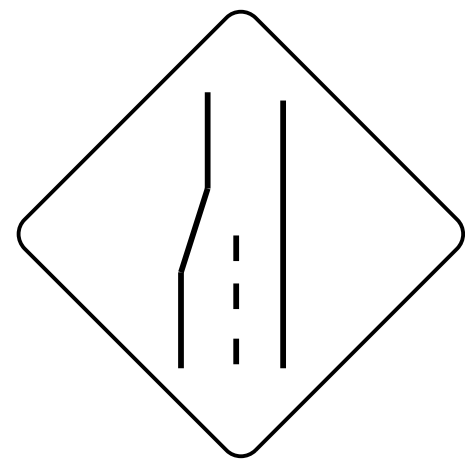
501 QUANTITY REQ'D: 1



1 - 36" x 18"
1 - 36" x 36"
1 - 31" x 21"

ONE "U" POST PER ASSEMBLY

402 QUANTITY REQ'D: 2



W4-2L
48" X 48"

TWO "U" POSTS PER SIGN

502 QUANTITY REQ'D: 1



1 - 36" x 18"
2 - 36" x 18"
2 - 36" x 36"
2 - 36" x 18"
2 - 36" x 36"

TWO "U" POSTS PER ASSEMBLY

403 QUANTITY REQ'D: 1



W4-1
48" X 48"

TWO "U" POSTS PER SIGN

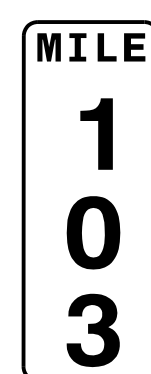
404 QUANTITY REQ'D: 1



W9-1
48" X 48"

TWO "U" POSTS PER SIGN

QUANTITY REQ'D: 2



D10-3
12" X 48"

ONE "U" POST PER SIGN

TYPE 'E' & 'F' SIGNS
MILE MARKERS

B-3186/B-5898

SIGN 5

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HAYWOOD COUNTY



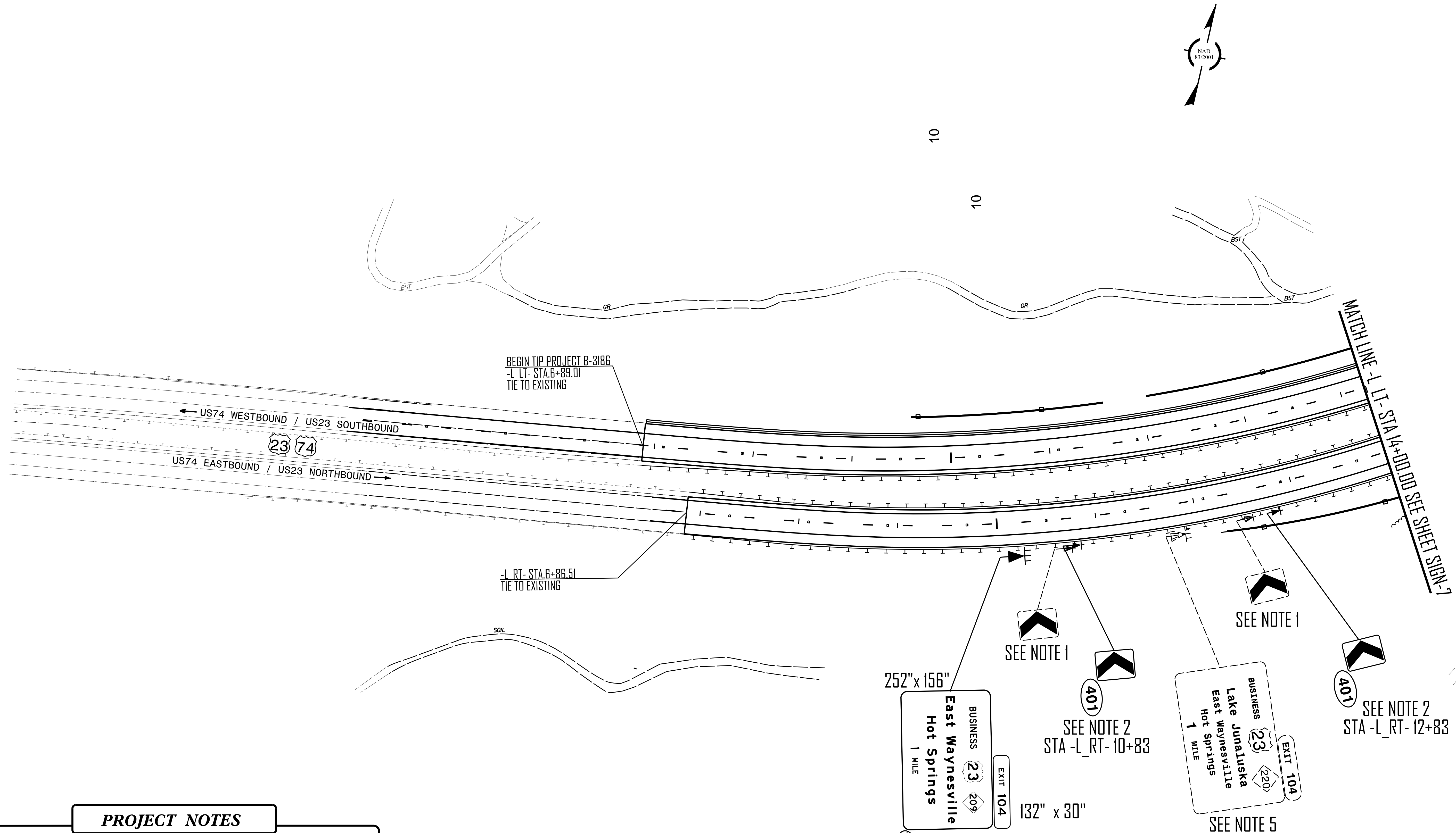
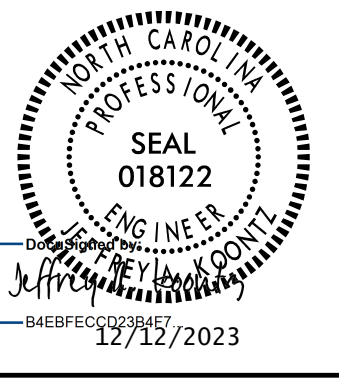
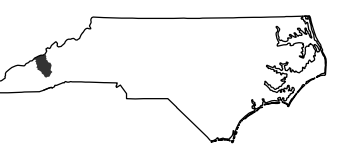
ROADWAY DESIGN UNIT

TRANSPORTATION
ENGINEER



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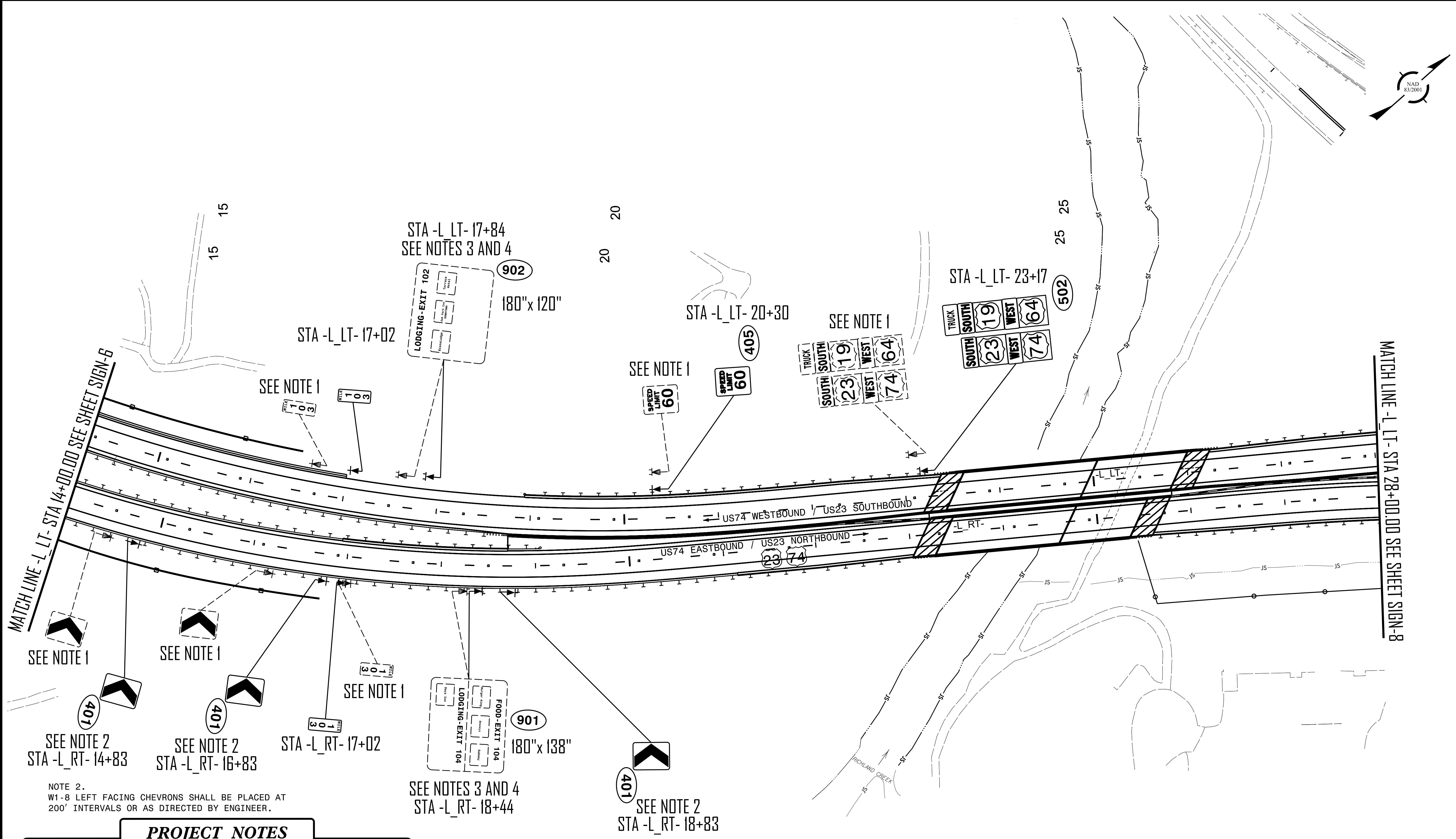
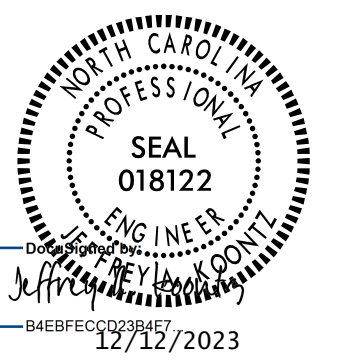
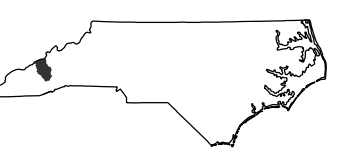
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Raleigh, NC 27607
919-854-6200



PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
3. RELOCATE EXISTING SIGN, TYPE A
4. DISPOSAL OF SIGN SUPPORTS, STEEL BEAM
5. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
6. DISPOSAL OF SIGN SYSTEM, OVERHEAD

EXISTING AND PROPOSED SIGNS
STA -L LT- TO 14+00



MATCH LINE -L- LT- STA 28+00.00 SEE SHEET SIGN-8

MATCH LINE -L- LT- STA 14+00.00 SEE SHEET SIGN-6

STA -L LT- 17+84
SEE NOTES 3 AND 4

STA -L LT- 23+17

STA -L LT- 17+02

STA -L LT- 20+30

SEE NOTE 1

SEE NOTE 1

SEE NOTE 1

SEE NOTE 1

SEE NOTE 1

SEE NOTE 1

SEE NOTE 2

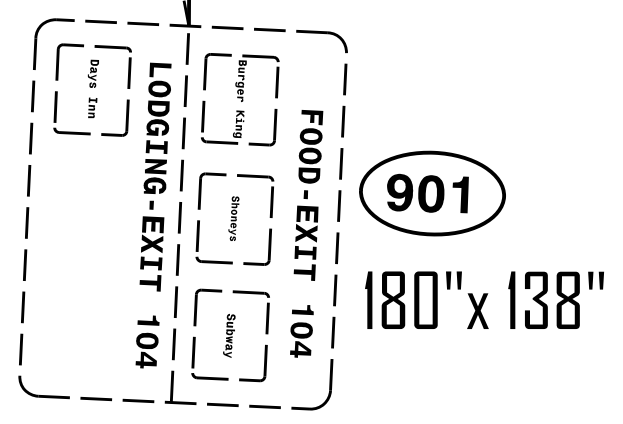
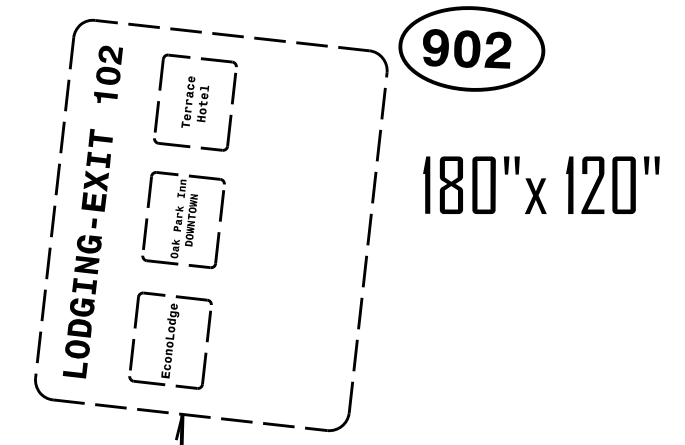
SEE NOTE 2
STA -L RT- 14+83

SEE NOTE 2
STA -L RT- 16+83

STA -L RT- 17+02

SEE NOTES 3 AND 4
STA -L RT- 18+44

SEE NOTE 2
STA -L RT- 18+83



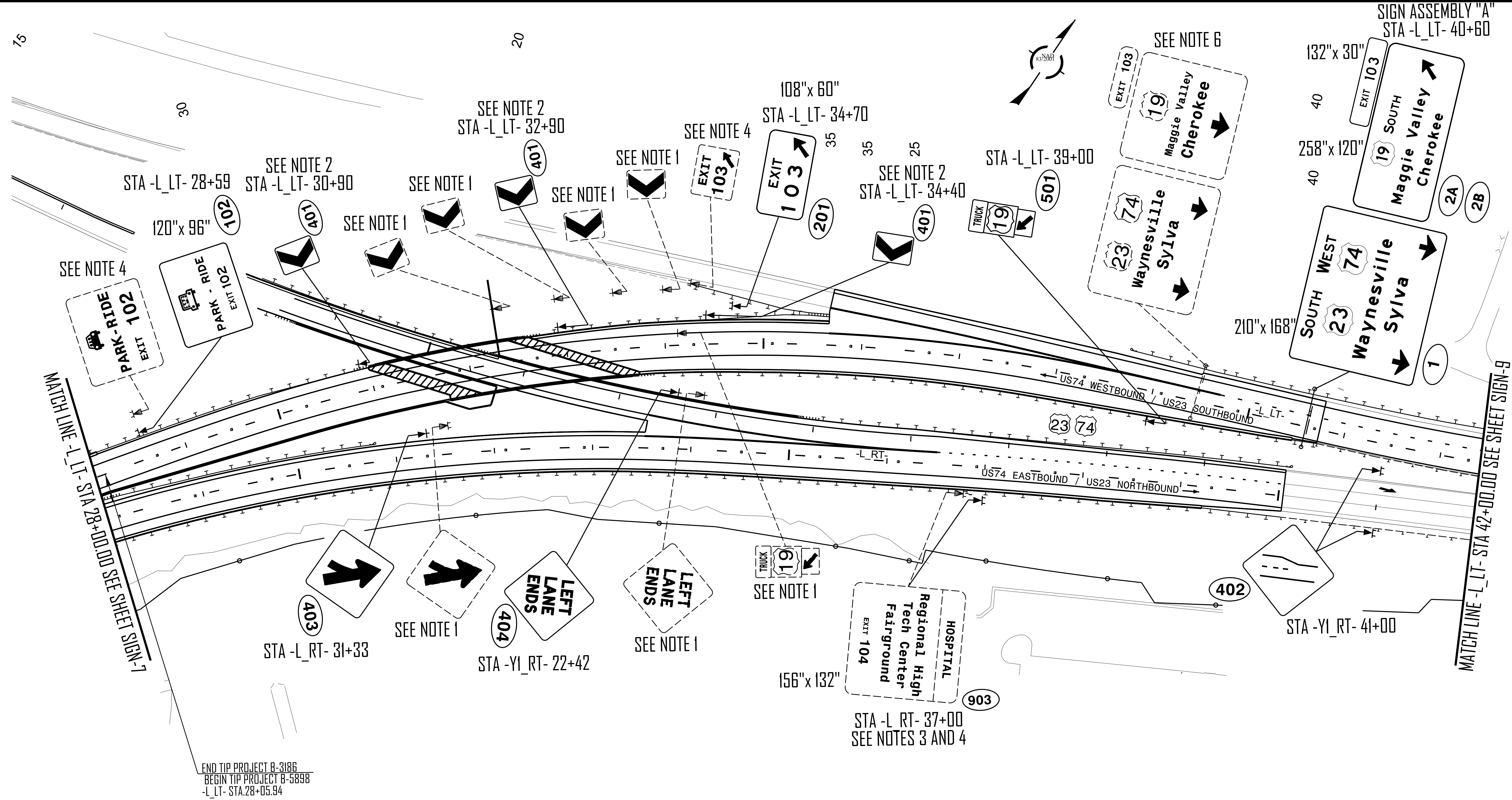
NOTE 2.
W1-8 LEFT FACING CHEVRONS SHALL BE PLACED AT
200' INTERVALS OR AS DIRECTED BY ENGINEER.

PROJECT NOTES

- 1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 3. RELOCATE EXISTING SIGN, TYPE A
- 4. DISPOSAL OF SIGN SUPPORTS, STEEL BEAM
- 5. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 6. DISPOSAL OF SIGN SYSTEM, OVERHEAD

EXISTING AND PROPOSED SIGNS

STA -L LT- 14+00 TO 28+00



B-3186/B-5898
SIGN 8
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HAYWOOD COUNTY
ROADWAY DESIGN UNIT
TRANSPORTATION
ENGINEER
NORTH CAROLINA
PROFESSIONAL
SEAL
018122
12/12/2023

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Raleigh, NC 27607
919-854-6200

NOTE 2.
W1-8 LEFT FACING CHEVRONS SHALL BE PLACED AT 200' INTERVALS OR AS DIRECTED BY ENGINEER.

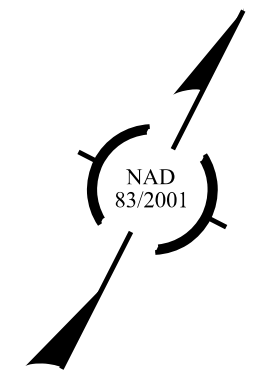
PROJECT NOTES

- 1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 3. RELOCATE EXISTING SIGN, TYPE A
- 4. DISPOSAL OF SIGN SUPPORTS, STEEL BEAM
- 5. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 6. DISPOSAL OF SIGN SYSTEM, OVERHEAD

EXISTING AND PROPOSED SIGNS
STA -L_LT- 28+00 TO 42+00

MATCH LINE - L LT - STA 28+00.00 SEE SHEET SIGN-7
MATCH LINE - L LT - STA 42+00.00 SEE SHEET SIGN-9

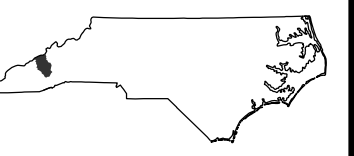
NO PROPOSED SIGNING ON THIS SHEET
FOR REFERENCE ONLY



B-3186/B-5898

SIGN 9

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HAYWOOD COUNTY



ROADWAY DESIGN UNIT

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ENGINEER



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919-854-6200

MATCH LINE -L_LT- STA 42+00.00 SEE SHEET SIGN-8

END TIP PROJECT B 5898
-L_LT- STA 43+86.30

-L_LT-
← US74 WESTBOUND / US23 SOUTHBOUND



-L_RT- US74 EASTBOUND / US23 NORTHBOUND →

45
45

50
50

EXISTING SIGNS
STA -L_LT- 42+00 TO END PROJECT