

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
WAYNE COUNTY

LOCATION: BRIDGE NO.20 ON US 70 BUSINESS
(GRANTHAM ST) OVER CSX RAILROAD

TIP NO.
B-4838

SHEET NO.
SIGN-1

APPROVED: _____
DATE: _____

SEAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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
901.50	ARROWS AND SHIELDS
903.10	GROUND MOUNTED SIGN SUPPORTS
903.20	WOOD SIGN SUPPORTS
903.30	BARRIER SIGN SUPPORT ASSEMBLY
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

GENERAL NOTES

- . SIGNS FURNISHED BY CONTRACTOR
- . CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE CONTRACTOR 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.			
4025000000	901	CONTRACTOR FURNISHED, TYPE A SIGN	655	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE B SIGN	53	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN	35	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	270	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN	77	S.F.
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	3	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	1728	L.B.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	910	L.F.
4096000000	904	SIGN ERECTION, TYPE D	1	EA.
4102000000	904	SIGN ERECTION, TYPE E	44	EA.
4108000000	904	SIGN ERECTION, TYPE F	6	EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	3	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	1	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	2	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	33	EA.
4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)	3	EA.
4251000000	907	DISPOSAL OF LIGHTING SYSTEM	1	EA.
4360000000	SP	GENERIC SIGNING ITEM (RECTANGULAR RAPID FLASHING BEACON)	2	EA.

PROJECT NOTES

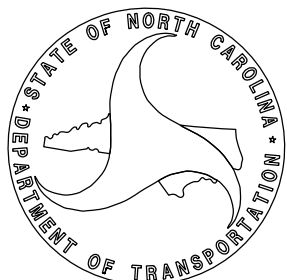
1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 2. DISPOSAL OF SIGN PANELS, OVERHEAD STRUCTURE TO REMAIN
 3. RRFB ASSEMBLY FURNISHED BY OTHERS
- ★ SIGNALIZED INTERSECTION

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	OVERHEAD SIGN ASSEMBLY
SIGN-2A	GROUND MOUNTED SIGNS
SIGN-2B	TYPE "E" AND "F" SIGNS
SIGN-2C	GROUND MOUNTED SIGN SUPPORT DETAIL
SIGN-2D	STD DWG FOR RECTANGULAR RAPID FLASHING BEACON
SIGN-3-4	TYPE "A" AND "D" SIGNS
SIGN-5-9	EXISTING SIGNS
SIGN-10-14	PROPOSED SIGNS

PLAN SUBMITTED TO:

<u>MITCH EATON, P.E.</u>	SIGNING & DELINEATION STANDARDS ENGINEER
<u>STACEY JOHNS</u>	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: AECOM

<u>JEFFREY KOONTZ, P.E.</u>	PROJECT ENGINEER
<u>NICK BLOME, E.I.</u>	PROJECT DESIGN ENGINEER



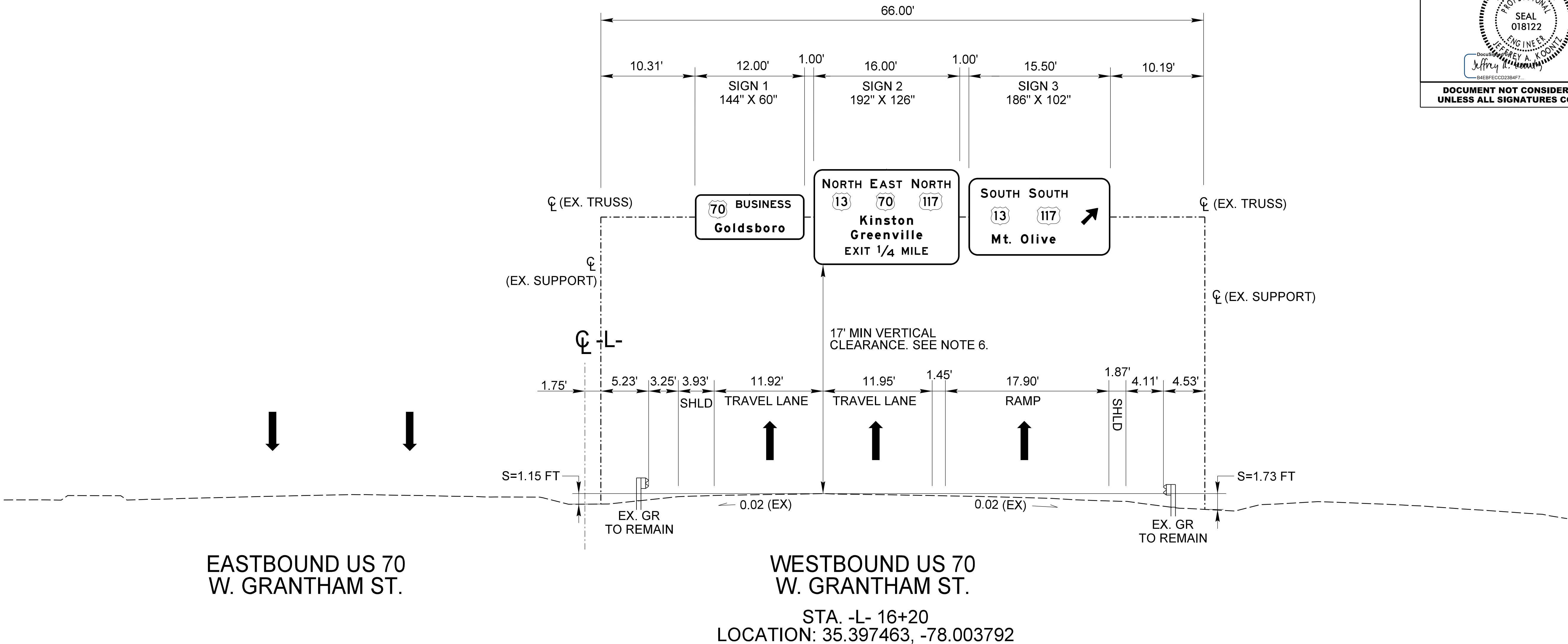
NC FIRM LICENSE No: F-0342
5438 Wade Park Blvd
Suite 200 Raleigh, NC 27607
(919) 854-6200

NOTES:

1. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
2. 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.
3. REMOVE THE EXISTING OVERHEAD LIGHTING.
4. CUT AND REMOVE EXISTING SIGN HANGERS.
5. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.

6. MAXIMUM VERTICAL CLEARANCE SHALL BE 18' AND MEASURED FROM THE BOTTOM OF THE LOWEST WIND LOAD AREA TO THE SURFACE OF THE ROADWAY.
7. 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



TYPE 'A' AND 'B' GROUND MOUNTED SIGNS

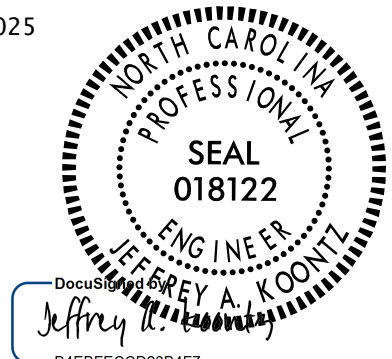
SUPPORT CHART

TIP NO.
B-4838

SHEET NO.
SIGN-2A

APPROVED: _____
DATE: _____

2/18/2025



DocuSign
Jeffrey A. Koontz
B48BFEC0D3B4F7

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

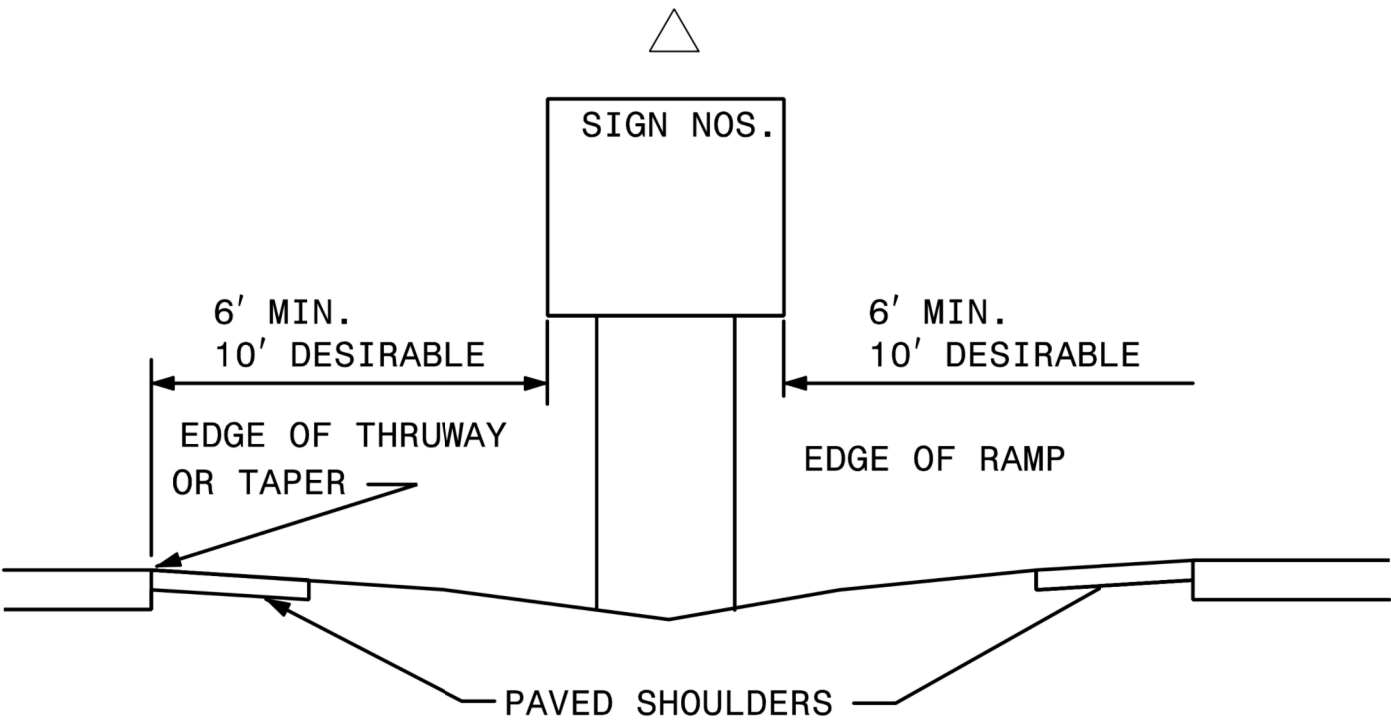
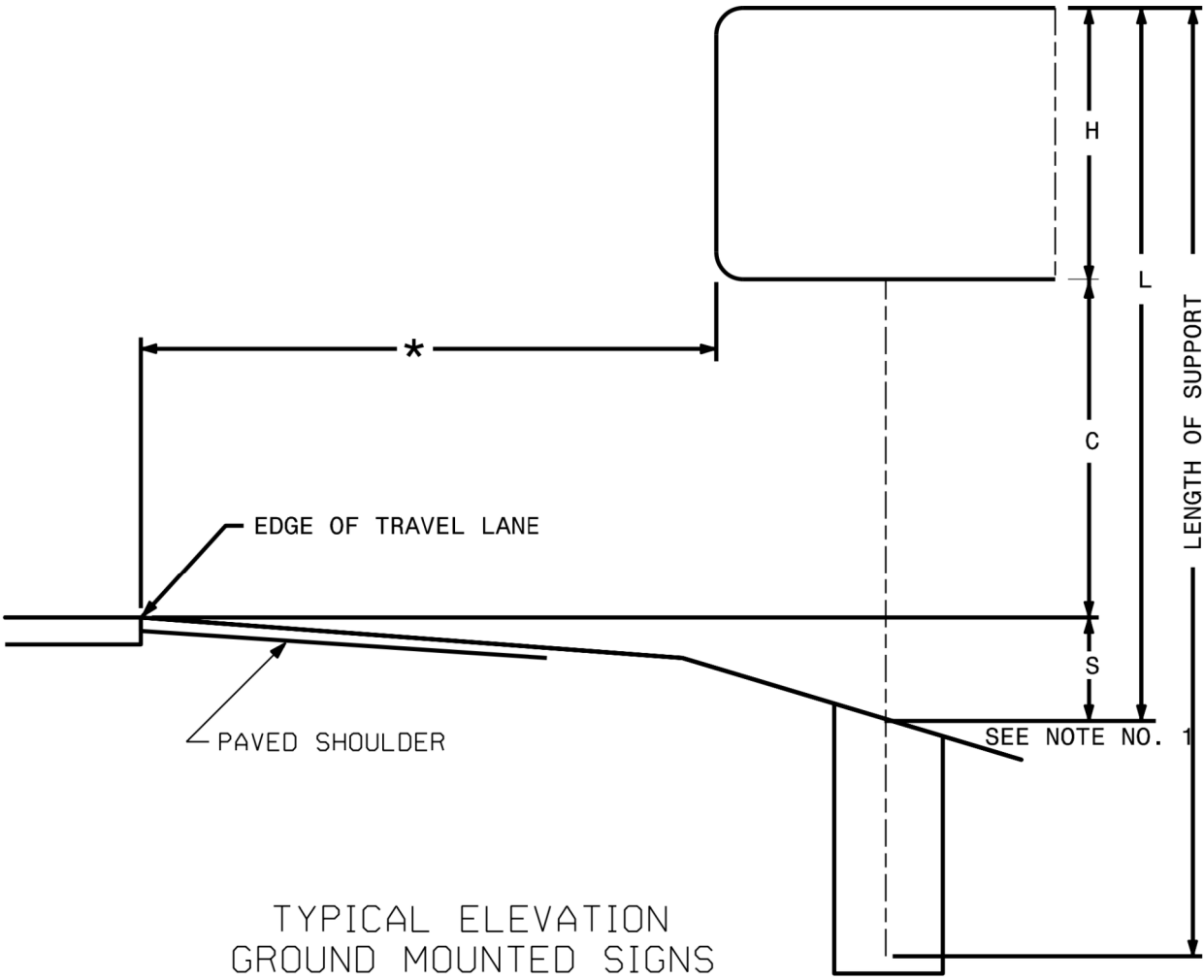
Version: 3.1

Posted: 6/2/2017

SIGN					ROADWAY STATION	NUMBER OF SUPPOR TS	BEAM SECTION	SUPPOR T TYPE BA or S	OMNI COUPLE R	ATTACHME NT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPOR T SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			SUPPORT WEIGHTS		FOOTINGS				FIELD VERIFIED SEE NOTE 2	
NUMBER	TYPE	SIZE (in.)												SNS HT	MTG HT	EMBED- MENT	LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			B/A (lbs.)	SIMPLE (lbs.)	DIAMETE R (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)		
		w	x	h										"H"	"C"	MENT	S	L	LENGT	S	L	TOTAL	S	L	LENGT								
101	B	126	x	30	-L- 17+10	2	S3x5.7	BA	YES	N/A	N/A	6.00	6.15	2.50	7.00	0.0	0.32	9.82	9.82	0.00	0.00	0.00	0.34	9.84	9.84	112.06	0	1.5	2.5	0.33	0.00	_____	
102	A	228	x	186	-L- 20+17	3	W8x21	BA	YES	N/A	N/A	18.00	7.5 NON-STD. SPACING	15.50	7.00	0.0	0.51	23.01	23.01	1.03	23.53	23.53	2.70	25.20	25.20	1506.54	0	2.0	5	1.75	0.00	_____	
103	B	126	x	30	-L- 24+53	2	S3x5.7	BA	YES	N/A	N/A	6.00	6.15	2.50	7.41	0.0	-0.41	9.50	9.50	0.00	0.00	0.00	-0.28	9.63	9.63	109.04	0	1.5	2.5	0.33	0.00	_____	
																										TOTAL	TOTAL			TOTAL	TOTAL		
																										1727.64	0.00			2.40	0.00		
																										USE:	1728.00	0.00			3.00	0.00	

NOTES:

1. DIMENSION "S" REPRESENTS AN INCREASE (+) OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
2. 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.
3. 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.



GROUND MOUNTED SIGNS

TIP NO. B-4838						SHEET NO. SIGN-2B
APPROVED: _____						SEAL 2/18/2025 NOTARY PUBLIC JEFFREY A. KOSKULA ENGINEER DocuSign Envelope ID: B4EBFECC03B4F7 Jeffrey A. Koskula
DATE: _____						
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED						
401 QUANTITY REQ'D .2_ H 24" x 24" D9-2 ONE "U" POST PER SIGN MOUNTED BELOW SIGNS 304 AND 306 IN TWO LOCATIONS	406 QUANTITY REQ'D .4_ STOP 30" x 30" R1-1 ONE "U" POST PER SIGN	411 QUANTITY REQ'D .5_ 24" x 30" R4-7 ONE "U" POST PER SIGN	416 QUANTITY REQ'D .2_ 24" x 24" R3-1 ONE "U" POST PER SIGN	421 QUANTITY REQ'D .2_ YIELD HERE TO 30" x 30" R1-5L ONE "U" POST PER SIGN	501 QUANTITY REQ'D .1_ BUSINESS 70 1 - 24" x 12" 1 - 24" x 24" 1 - 21" x 15" ONE "U" POST PER ASSEMBLY	
402 QUANTITY REQ'D .1_ 21" x 15" M6-3 MOUNTED BELOW SIGN 401 IN ONE LOCATION	407 QUANTITY REQ'D .1_ 24" x 24" W13-1p MOUNTED BELOW SIGN 405 IN ONE LOCATION	412 QUANTITY REQ'D .1_ RIGHT LANE MUST TURN RIGHT 30" x 30" R3-7 ONE "U" POST PER SIGN	417 QUANTITY REQ'D .1_ SPEED LIMIT 45 24" x 30" R2-1 ONE "U" POST PER SIGN	422 QUANTITY REQ'D .2_ TRUCKS ENTERING HIGHWAY 36" x 36" W8 (CUST.) ONE "U" POST PER SIGN	502 QUANTITY REQ'D .1_ BUSINESS 70 1 - 24" x 12" 1 - 24" x 24" 1 - 21" x 15" ONE "U" POST PER ASSEMBLY	
403 QUANTITY REQ'D .1_ 21" x 15" M6-2 MOUNTED BELOW SIGN 401 IN ONE LOCATION	408 QUANTITY REQ'D .1_ 36" x 36" W1-13 ONE "U" POST PER SIGN	413 QUANTITY REQ'D .1_ 36" x 36" W1-15 ONE "U" POST PER SIGN	418 QUANTITY REQ'D .3_ SPEED LIMIT 35 24" x 30" R2-1 ONE "U" POST PER SIGN	423 QUANTITY REQ'D .2_ W11-2 30" x 30" BEACON M6-2 21" x 15" RECTANGULAR RAPID FLASHING PEDESTRIAN BEACON (RRFB) RRFB ASSEMBLY INCLUDING SIGNAGE PROVIDED BY OTHERS	503 QUANTITY REQ'D .1_ BUSINESS 70 1 - 24" x 12" 1 - 24" x 24" ONE "U" POST PER ASSEMBLY	
404 QUANTITY REQ'D .2_ 30" x 30" W3-3 ONE "U" POST PER SIGN	409 QUANTITY REQ'D .1_ SPEED LIMIT 35 36" x 36" W3-5a ONE "U" POST PER SIGN	414 QUANTITY REQ'D .1_ 15 MPH 18" x 18" W13-1p ONE "U" POST PER SIGN	419 QUANTITY REQ'D .1_ YIELD 36" x 36" x 36" R1-2 ONE "U" POST PER SIGN	424 QUANTITY REQ'D .1_ AHEAD 24" x 12" W16-9p MOUNTED BELOW SIGN 420 IN ONE LOCATION	504 QUANTITY REQ'D .1_ 1 - 24" x 12" 1 - 30" x 24" 1 - 21" x 15" NORTH 117 EAST 70 NORTH 13 2 - 24" x 12" 2 - 24" x 24" 1 - 21" x 15" THREE "U" POSTS PER ASSEMBLY	
405 QUANTITY REQ'D .2_ STOP 36" x 36" R1-1 ONE "U" POST PER SIGN	410 QUANTITY REQ'D .1_ RAMP 15 M.P.H. 24" x 42" W13-7 ONE "U" POST PER SIGN	415 QUANTITY REQ'D .3_ DO NOT ENTER 30" x 30" R5-1 ONE "U" POST PER SIGN	420 QUANTITY REQ'D .3_ 30" x 30" W11-2 ONE "U" POST PER SIGN	425 QUANTITY REQ'D .1_ NATIONAL GUARD ARMORY 24" x 30" D (CUST.) MOUNTED BELOW SIGN 304 IN ONE LOCATION		
TYPE "E" AND "F" SIGNS						

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$CNDG\$\$\$\$\$
\$\$\$\$\$SUBMIT\$\$\$\$\$

NOTES:

- DESIGN CONFORMS WITH THE SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS - AASHTO.
- USE MATERIALS, FABRICATE AND ERECT SIGNS AND SUPPORTS THAT CONFORM TO THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- USE HIGH STRENGTH BOLTS, NUTS AND WASHERS THAT CONFORM TO ASTM A-325 AND THAT ARE GALVANIZED IN ACCORDANCE WITH ASTM F2329 OR B695 CLASS 55.
- USE BACKING PLATES, SLIP BASE PLATES, FRICTION PLATES, AND HINGE PLATES THAT CONFORM TO ASTM A-36 AND THAT ARE GALVANIZED IN ACCORDANCE WITH ASTM A-123 PRIOR TO GALVANIZING, GRIND SMOOTH ANY METAL PROJECTION BEYOND THE PLATE FACE. KEEPER PLATES SHALL BE MANUFACTURED FROM 28 GAUGE SHEET STEEL THAT CONFORMS TO ASTM A-36 AND IS GALVANIZED IN ACCORDANCE WITH ASTM A-123
- ASSEMBLE HINGE CONNECTIONS IN THE SHOP. THE SHOP SHALL TIGHTEN BOLTS BY USE OF EITHER A CALIBRATED POWER WRENCH OR A MANUAL TORQUE WRENCH. TIGHTEN EACH HINGE CONNECTION BOLT TO 1/3 PAST SNUG.
- BASE PLATES DETAILS ARE FOR INSTALLATIONS ON THE RIGHT SHOULDER AND IN GORE AREAS.
- ASSEMBLE UPPER SUPPORT TO STUB AS SHOWN IN DETAIL. SLIP BASE PLATES SHALL BE FILLET WELDED ONTO SUPPORTS ALL AROUND THE STRUCTURAL SHAPE SO AS TO INSURE NO LOSS OF STRENGTH. ASSEMBLE IN EITHER SHOP OR FIELD. 28 GAUGE KEEPER PLATE IS PLACED BETWEEN SLIP BASE PLATES TO PREVENT BOLT SLIPPING. TIGHTEN BOLTS TO THE FOLLOWING PRESCRIBED TORQUE:

BOLT DIAMETER	TORQUE (LB. FT.)
1/2"	9
5/8"	22
3/4"	37
1"	48

COMPLETELY ASSEMBLE BREAKAWAY SUPPORTS PRIOR TO ERECTION. BREAKAWAY SUPPORT TO BE SET IN ONE PIECE. AFTER SUPPORT HAS BEEN ERECTED AND THE CONCRETE FOOTINGS HAS CURED AT LEAST 48 HOURS, CLEAN CONCRETE FROM BASE CONNECTION BOLTS THEN LOOSEN AND RE TIGHTEN EACH BOLT IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE.DO NOT OVER TIGHTEN. BURR ALL BOLT THREADS OF BASE CONNECTIONS TO PREVENT LOOSENING.

- ELIMINATE HINGE CONNECTION FOR ALL SINGLE SUPPORT SIGNS.
- DETAIL IS FOR ONE DIRECTION BREAKAWAY. WHEN PLANS REQUIRE A TWO DIRECTION BREAKAWAY, TWO FRICTION PLATES SHALL BE USED IN LIEU OF ONE FRICTION PLATE AND ONE HINGE PLATE.

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

ROADWAY DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 3 OF 3
903D1003



Signed by:
Matthew V. Springer, PE
9C80F6E8B84403.

**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-8950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY:	R.S. GALLO	DATE:	05-22-2025
MODIFIED BY:		DATE:	
CHECKED BY:		DATE:	
FILE SPEC.:			

[illegible][illegible]

TYPE "A" SIGN DESIGNS

TIP NO.
B-4838

SHEET NO.
SIGN-4

APPROVED: _____

DATE: _____

SEAL
2/18/2025

North Carolina
Professional Engineer
SEAL
018122
Jeffrey A. Koontz
B48BFECDD03B4F7

DocuSign
Envelope ID: FCD5B4D7-839E-4A88-8EFD-B61CC95AE0A8

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 101
TYPE: B
QUANTITY: 1
SIGN WIDTH: 10'-6"
HEIGHT: 2'-6'
TOTAL AREA: 26.25 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADII: 4"
NO. Z BARS: 2
LENGTH: 118.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT
AR_Type_D 9 7 6.0" 16.0"
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: NICK BLOME, EI
PROJECT ID: B-4838
CHECKED BY: JEFFREY KOONTZ, PE
LOCATION: WAYNE COUNTY
Aug 30, 2024
DIV: 4

126"

7"

6"

7"

30"

16"

7"

9"

108"

9"

6"

4"

6"

7"

BORDER
R=4"
TH=1"

↑

Seymour Johnson AFB
Morehead City

USE NOTES:
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be 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 spacings are to start of next letter
Series/Size Text Length
D 95.4
D 59.6
FILENAME: B4838_SIGN_base_proposed
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 301
TYPE: D
QUANTITY: 1
SIGN WIDTH: 7'-0"
HEIGHT: 5'-0'
TOTAL AREA: 35.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADII: 8"
NO. Z BARS: 2
LENGTH: 76.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT
AR_Type_D 12 37 6.0" 16.0"
AR_Type_D 10.35 10.11 6.0" 12.0"
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: NICK BLOME, EI
PROJECT ID: B-4838
CHECKED BY: JEFFREY KOONTZ, PE
LOCATION: WAYNE COUNTY
Aug 30, 2024
DIV: 4

84"

7"

16"

12"

6"

6"

7"

12"

60"

12"

7"

7.01"

6.0"

6.0"

4.5"

10.11"

9.27"

10.11"

BORDER
R=8"
TH=1"

↑

Raleigh
Wilmington

Kinston
Wilson

↗

USE NOTES:
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be 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 spacings are to start of next letter
Series/Size Text Length
D 29.8
D 45.2
D 30.1
D 25.1
FILENAME: B4838_SIGN_base_proposed
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 103
TYPE: B
QUANTITY: 1
SIGN WIDTH: 10'-6"
HEIGHT: 2'-6'
TOTAL AREA: 26.25 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADII: 4"
NO. Z BARS: 2
LENGTH: 118.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT
AR_Type_D 10.35 108.2 6.0" 12.0"
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: NICK BLOME, EI
PROJECT ID: B-4838
CHECKED BY: JEFFREY KOONTZ, PE
LOCATION: WAYNE COUNTY
Aug 30, 2024
DIV: 4

126"

7"

6"

6"

7"

30"

8.5"

109"

8.5"

10.37"

9.27"

10.36"

BORDER
R=4"
TH=1"

↗

Seymour Johnson AFB
Morehead City

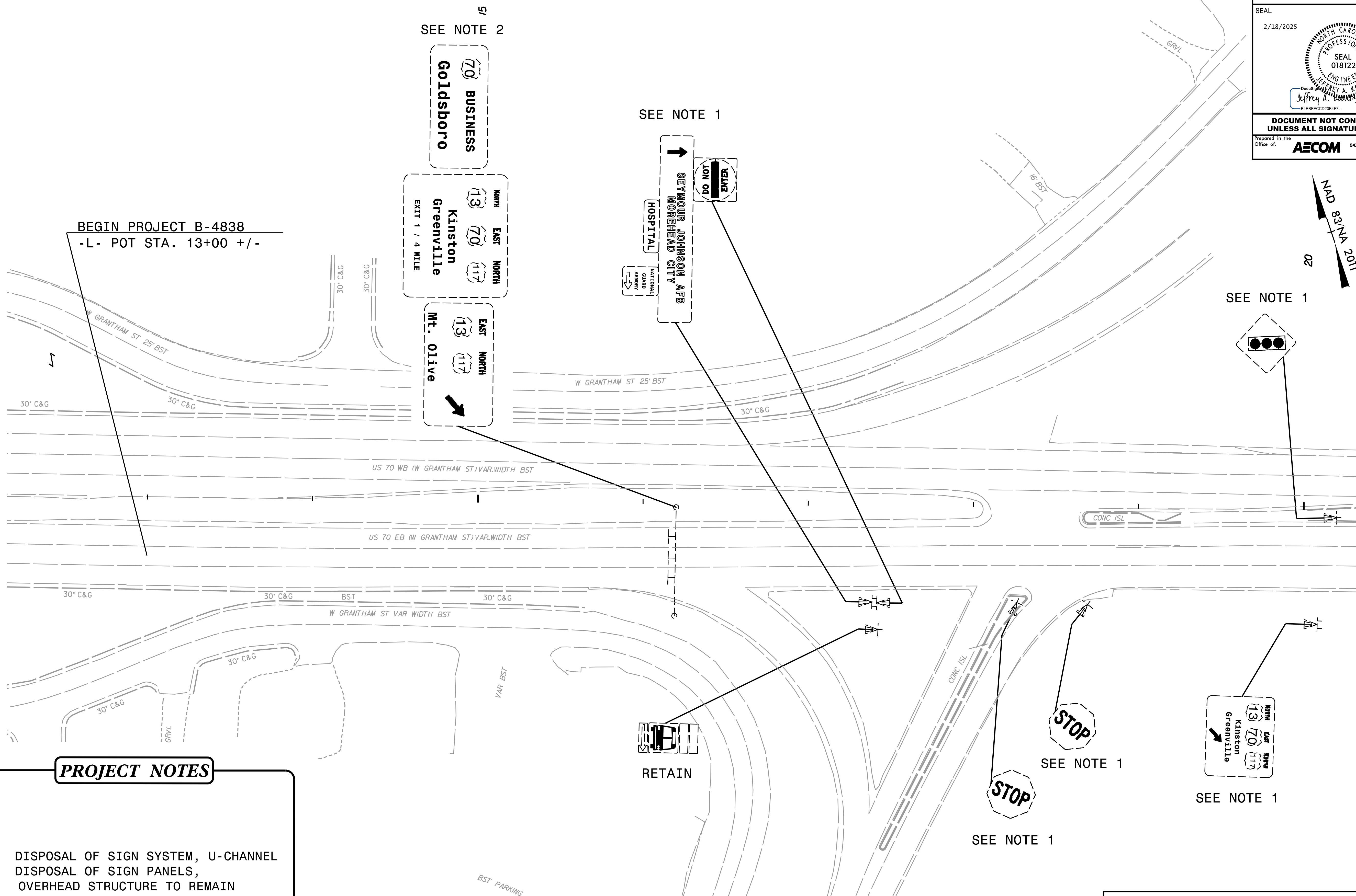
USE NOTES:
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter spacings are to start of next letter
Series/Size Text Length
D 95.4
D 59.6
FILENAME: B4838_SIGN_base_proposed
NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE "B" AND "D"
SIGN DESIGNS

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$>\$\$\$\$\$
\$\$\$\$\$<\$\$\$\$\$
\$\$\$\$\$SUBMIT\$\$\$\$\$
\$\$\$\$\$ENVELOPE\$\$\$\$\$



PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. DISPOSAL OF SIGN PANELS,
OVERHEAD STRUCTURE TO REMAIN

RETAIN

SEE NOTE 1

SEE NOTE 1

SEE NOTE 1

EXISTING SIGNS
STA -L- 13+00 TO 20+50

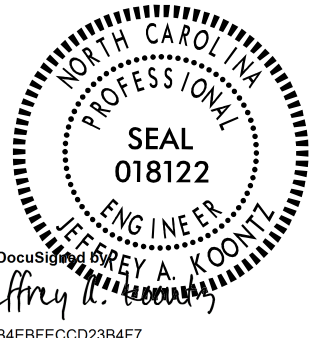
MATCH LINE -L- STA. 20+50 SEE SIGN-6

TIP NO.
B-4838

SHEET NO.
SIGN-6

APPROVED: _____

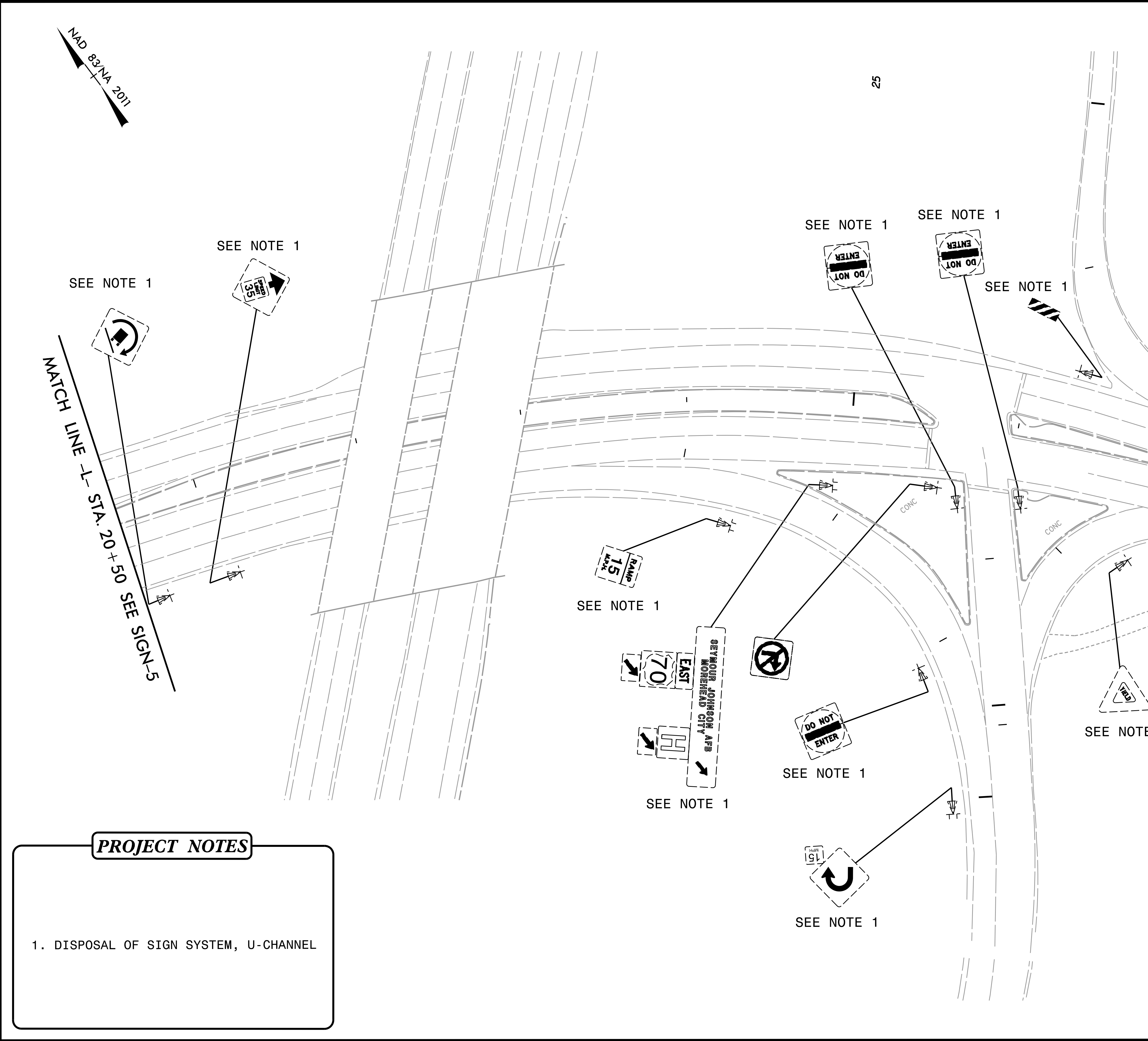
DATE: _____

SEAL
2/18/2025

Jeffrey A. Koonin
Professional Engineer
018122
NORTH CAROLINA
SEAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the
Office of:
AECOM

NC PBM LICENSE No F-0342
5438 Rode Park Blvd, Suite 200
Raleigh, NC 27607
(919) 461-4000

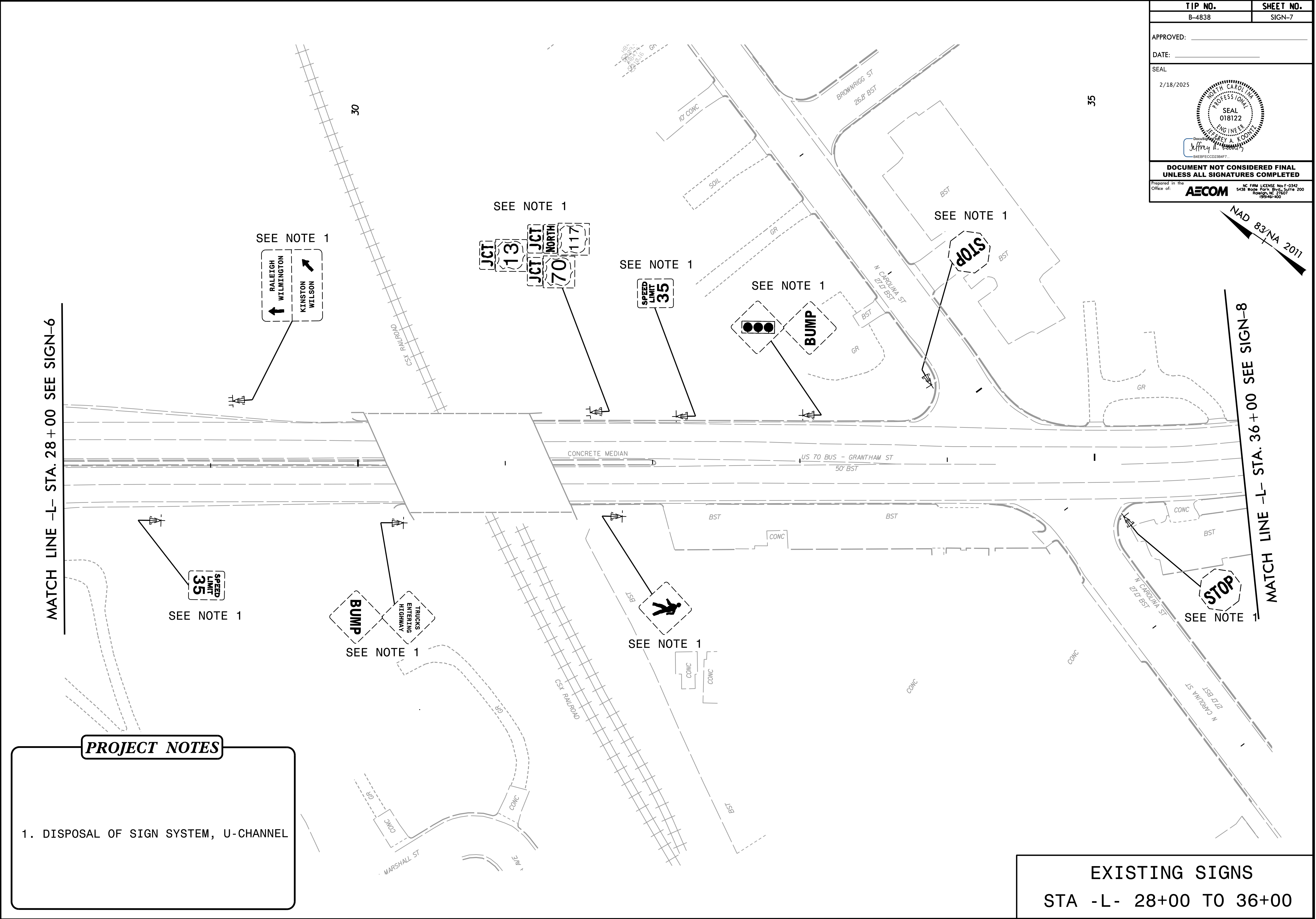


PROJECT NOTES

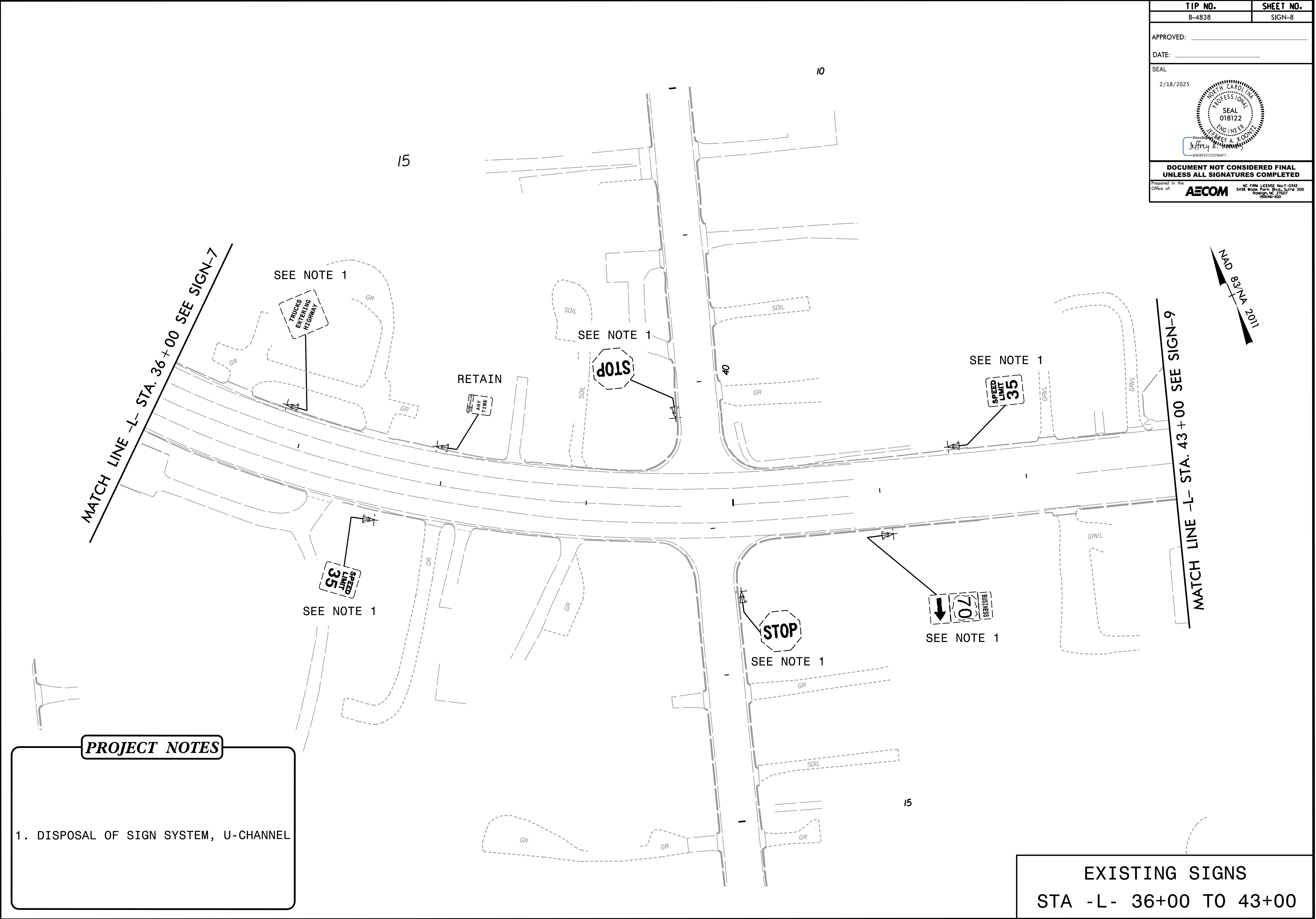
1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL

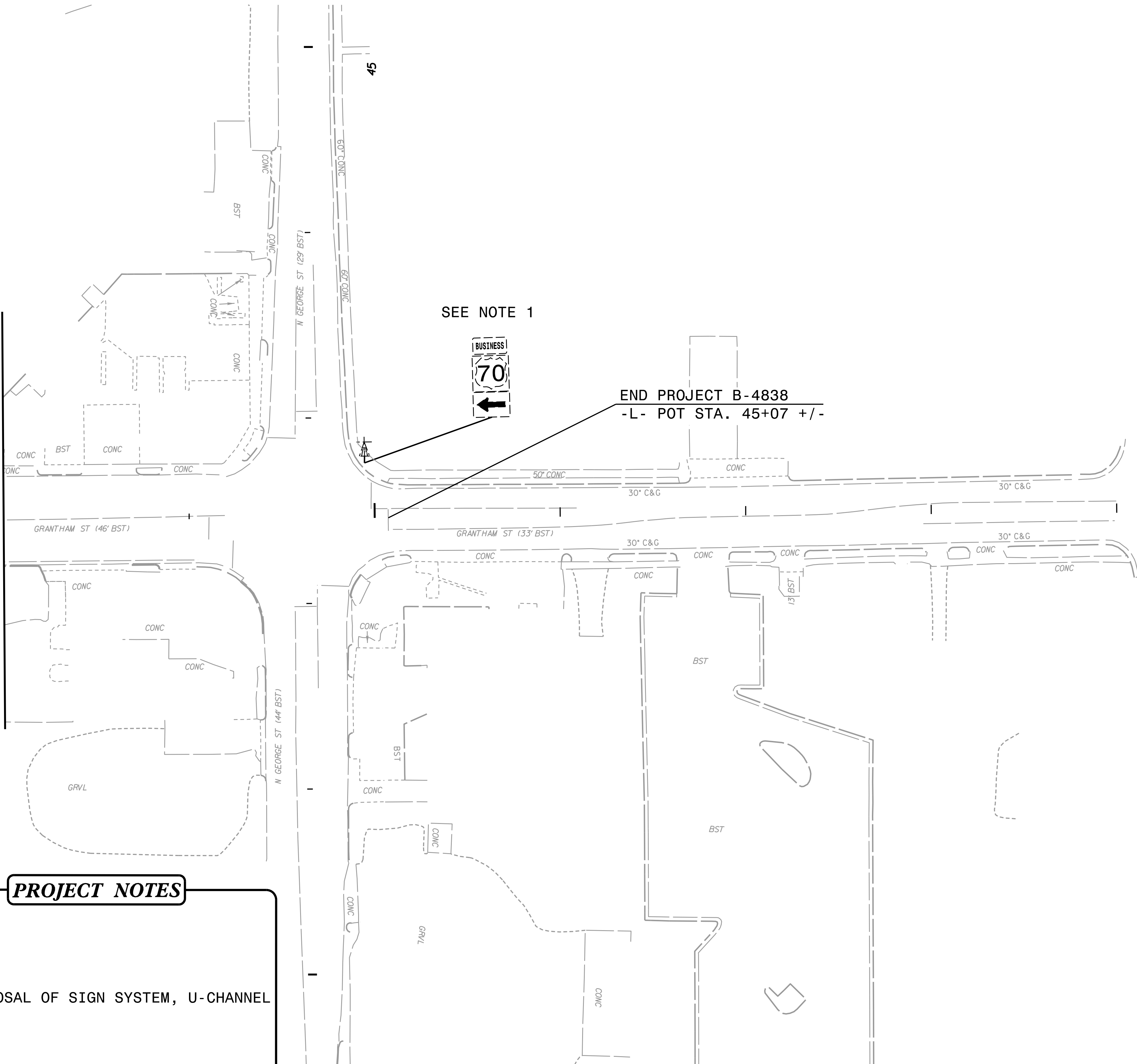
EXISTING SIGNS
STA -L- 20+50 TO 28+00

9/1/2024
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BlomeN



9/11/2024
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1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL

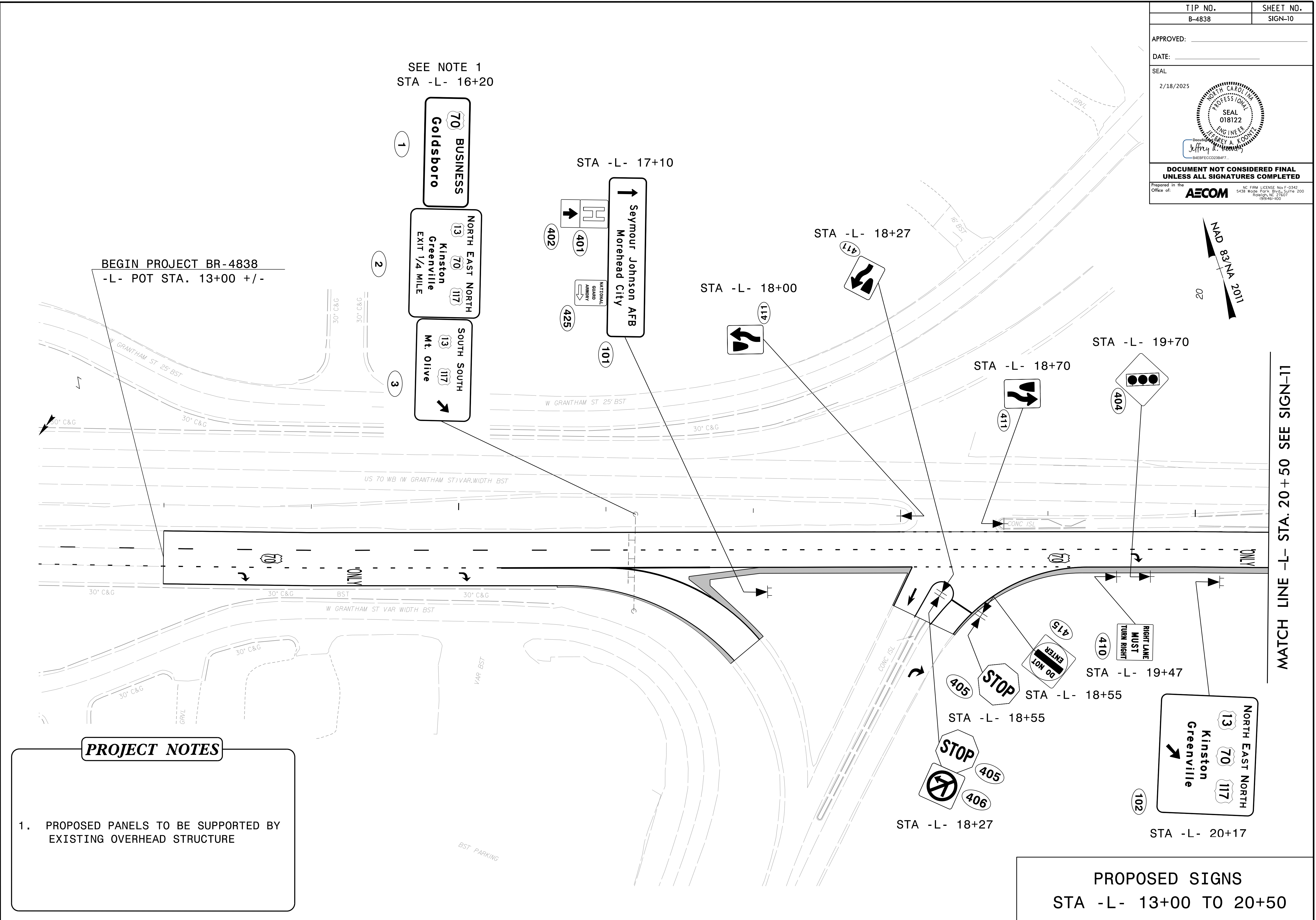
SEE NOTE 1

NAD 83/NA 2011

EXISTING SIGNS

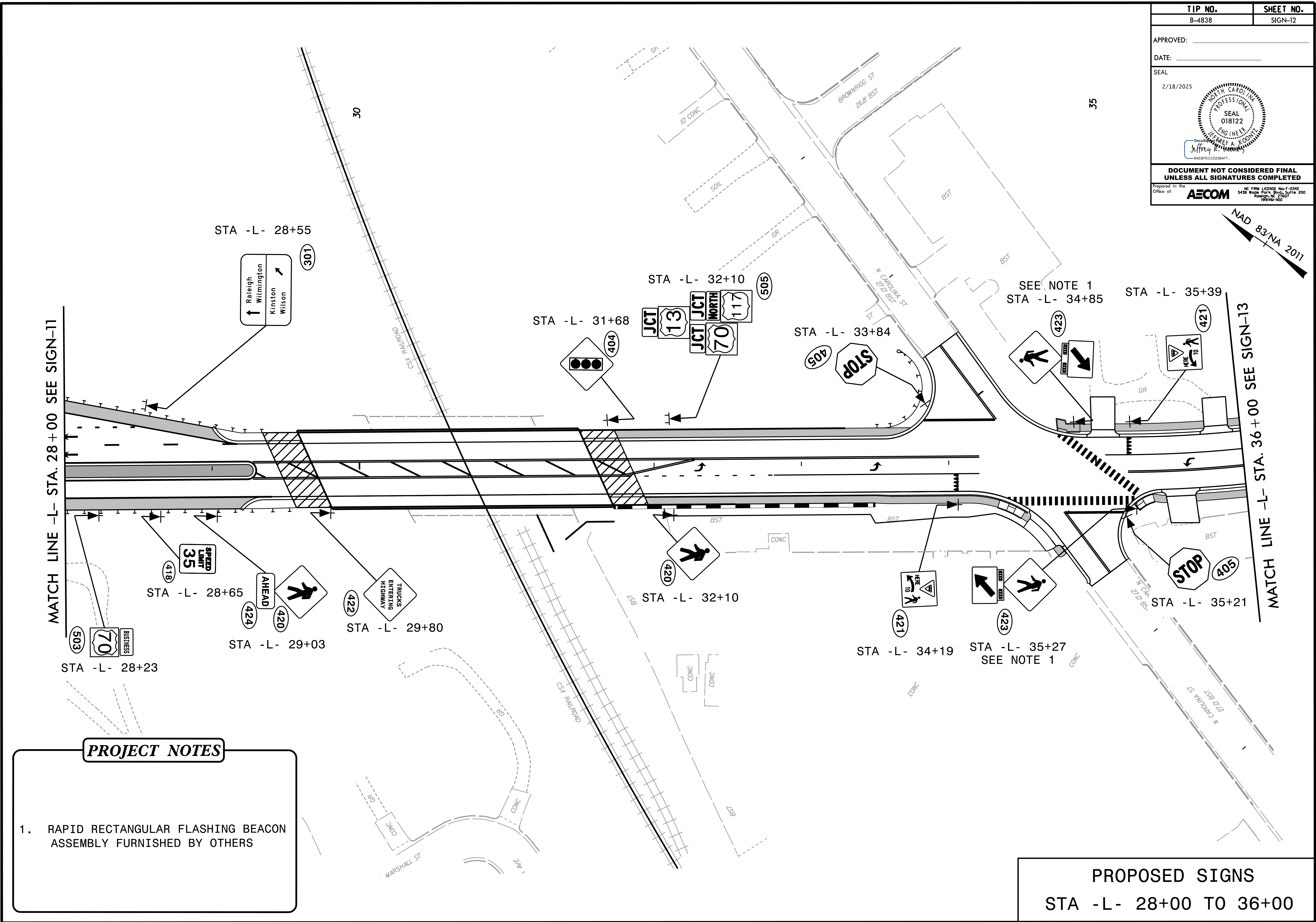
STA -L- 43+00 TO 45+07

TIP NO.		SHEET NO.	
B-4838		SIGN-10	
APPROVED: _____			
DATE: _____			
SEAL			
2/18/2025  DocuSign Jeffrey H. Young -B4BPEC02284F1-			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Prepared in the Office of:		NC FIRM LICENSE No. F-0342 5438 Core Park Blvd, Suite 200 Raleigh, NC 27607 (919)461-1100	



PROPOSED SIGNS
STA -L- 20+50 TO 28+00

9/11/2024
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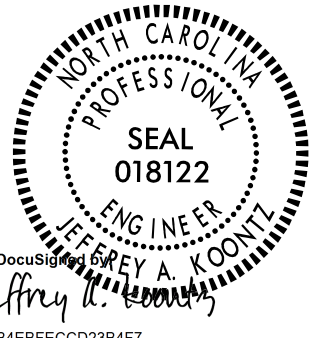


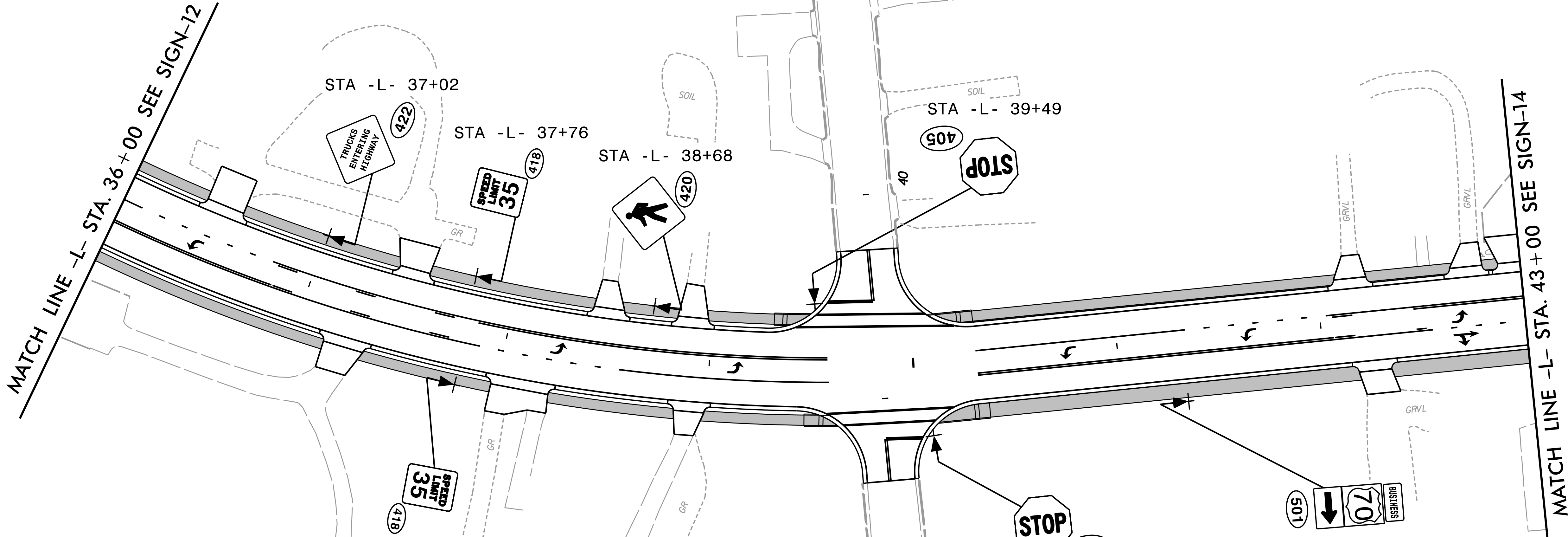
PROJECT NOTES

1. RAPID RECTANGULAR FLASHING BEACON ASSEMBLY FURNISHED BY OTHERS

PROPOSED SIGNS

STA -L- 28+00 TO 36+00

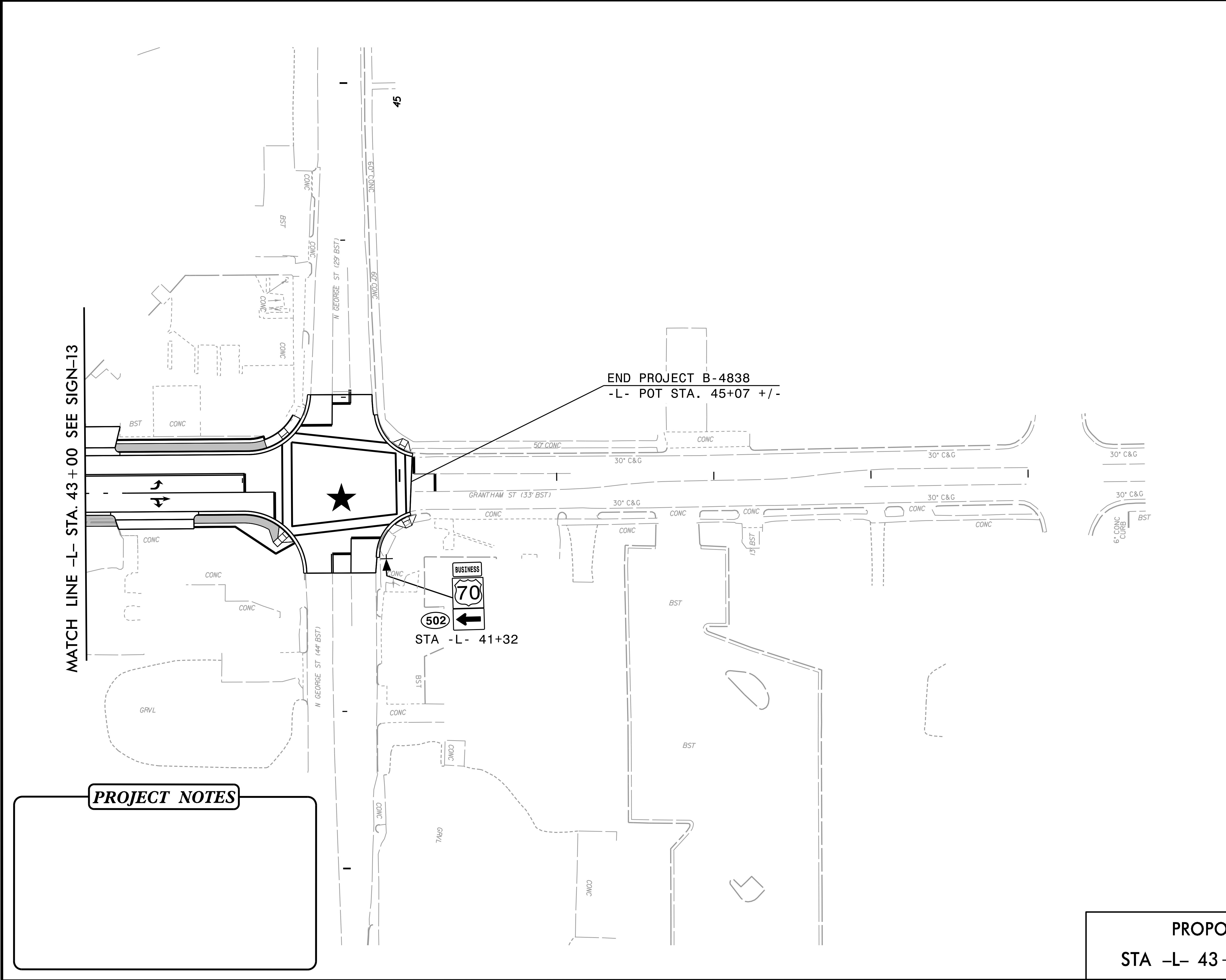
TIP NO.	SHEET NO.
B-4838	SIGN-13
APPROVED: _____	
DATE: _____	
SEAL	
2/18/2025	
	
Jeffrey A. Koonz	
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PROJECT NOTES

PROPOSED SIGNS
STA -L- 36+00 TO 43+00

9/11/2024
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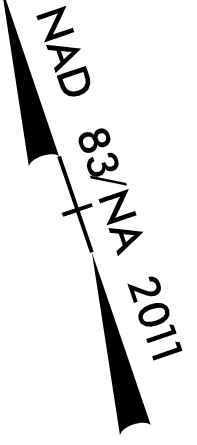


MATCH LINE -L- STA. 43 + 00 SEE SIGN-13

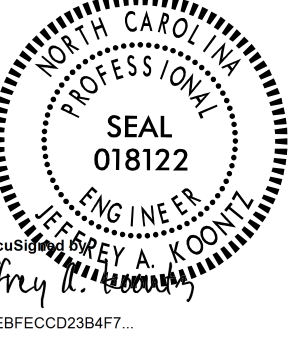
PROJECT NOTES

END PROJECT B-4838
-L- POT STA. 45+07 +/-

STA -L- 41+32



PROPOSED SIGNS
STA -L- 43+00 TO 45+07

TIP NO.	SHEET NO.
B-4838	SIGN-14
APPROVED: _____	
DATE: _____	
SEAL 2/18/2025  Jeffrey A. Koonz 44EBFECC02384F7	
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