8/17/99

T.I.P.: U-5810

CONTRACT: C204504

PROJECT REFERENCE NO.	SHEET NO.
U-5810	SIGN-1

APPROVED: DocuSigned by: David T Sears — 069183F28E5741E...

DATE: 7/2/2026

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 044558 ENGINEER DAVID T. SEARS

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
WATAUGA COUNTY

LOCATION: SR 1514 (BAMBOO ROAD)/SR 1523 (WILSON RIDGE ROAD)
FROM SR 1522 (DEERFIELD ROAD) TO US 421/US 221

ROADWAY STANDARD DRAWING

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

STD. NO.	TITLE
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
910D40	SINGLE LANE RURAL ROUNDABOUT

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' 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 SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

ITEM NO. DESC. NO.	ITEM NO. SECT. NO.	ITEM DESCRIPTION	QUANTITY	UNIT
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1090	L.F.
4096000000	904	SIGN ERECTION, TYPE D	1	EA.
4102000000	904	SIGN ERECTION, TYPE E	85	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED)	2	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	47	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	2	EA.
4360000000	SP	TYPE 3 FLEXIBLE GROUND MOUNTED OBJECT MARKERS	9	EA.

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	NCDOT STD DWG 910D40
SIGN-3	E SHEET
SIGN-4	SIGN DESIGN
SIGN-5-12	SIGNING PLAN SHEETS

PROJECT NOTES

1 DISPOSAL OF SUPPORT, U-CHANNEL
2 SIGN ERECTION, TYPE D, E, AND F
3 SIGN ERECTION, RELOCATE SIGN TYPE E
4 DISPOSAL OF SIGN SYSTEM, U-CHANNEL

PLAN PREPARED FOR: N.C.D.O.T. DIVISION II

Heath Slaughter — DIVISION 11 PROJECT MANAGER
Chris Brown — DIVISION 11 TRAFFIC ENGINEER
Kelvin L. Jordan — SIGNING & DELINEATION REGIONAL ENGINEER

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PLAN PREPARED BY:

David Sears, PE, PTOE — Project Engineer
Allen Tutt — Sr. Designer

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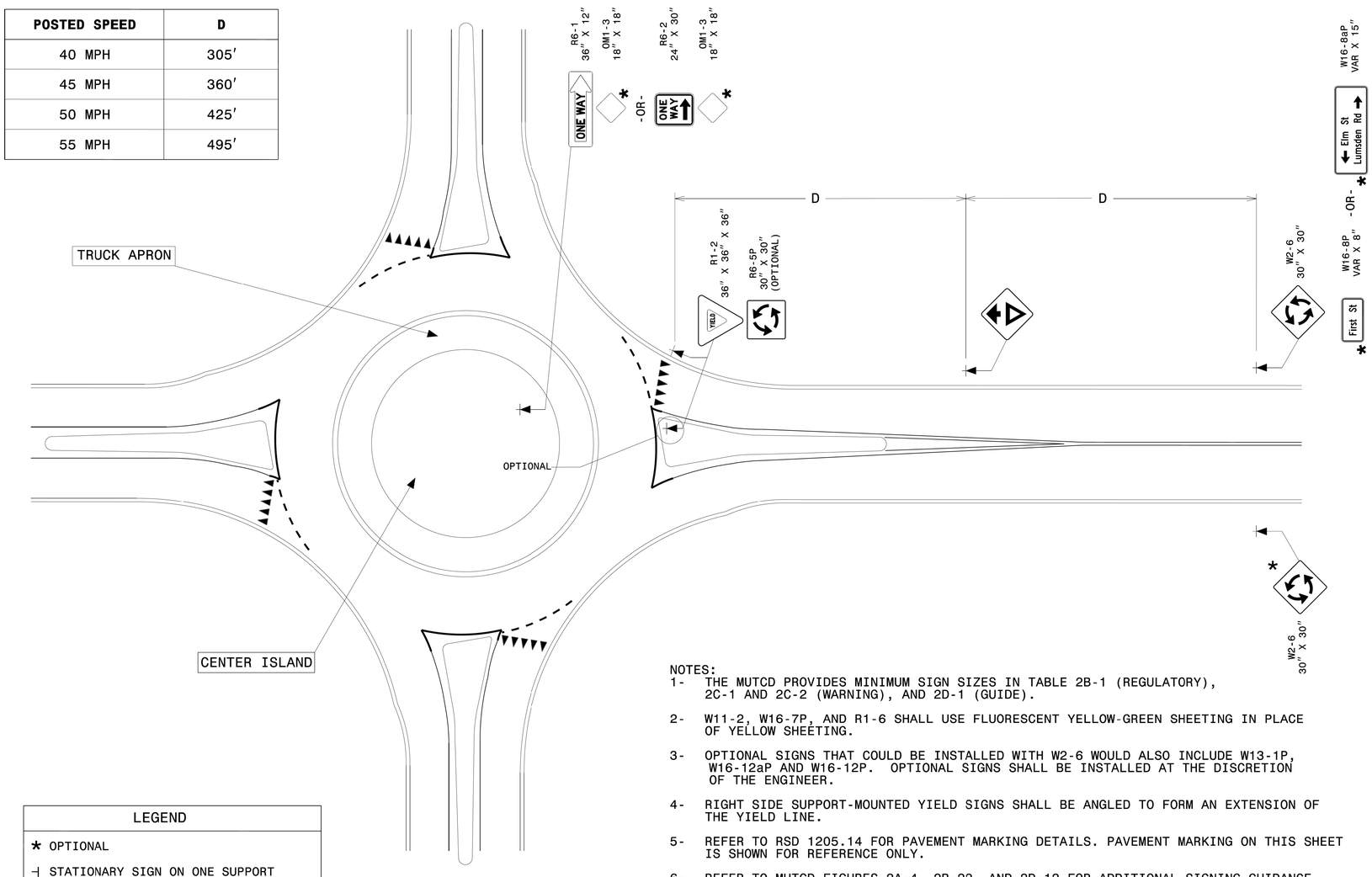
PROJECT REFERENCE NO.	SHEET NO.
U-5810	SIGN-2

POSTED SPEED	D
40 MPH	305′
45 MPH	360′
50 MPH	425′
55 MPH	495′



NOTES:

1- THE MUTCD PROVIDES MINIMUM SIGN SIZES IN TABLE 2B-1 (REGULATORY), 2C-1 AND 2C-2 (WARNING), AND 2D-1 (GUIDE).

2- W11-2, W16-7P, AND R1-6 SHALL USE FLUORESCENT YELLOW-GREEN SHEETING IN PLACE OF YELLOW SHEETING.

3- OPTIONAL SIGNS THAT COULD BE INSTALLED WITH W2-6 WOULD ALSO INCLUDE W13-1P, W16-12aP AND W16-12P. OPTIONAL SIGNS SHALL BE INSTALLED AT THE DISCRETION OF THE ENGINEER.

4- RIGHT SIDE SUPPORT-MOUNTED YIELD SIGNS SHALL BE ANGLED TO FORM AN EXTENSION OF THE YIELD LINE.

5- REFER TO RSD 1205.14 FOR PAVEMENT MARKING DETAILS. PAVEMENT MARKING ON THIS SHEET IS SHOWN FOR REFERENCE ONLY.

6- REFER TO MUTCD FIGURES 2A-4, 2B-22, AND 2D-12 FOR ADDITIONAL SIGNING GUIDANCE.

7- THE MUTCD PROVIDES GUIDANCE FOR DIMENSION "D" IN TABLE 2C-3 AND SHOULD BE APPLIED WITH ENGINEERING JUDGEMENT.

LEGEND
* OPTIONAL
┤ STATIONARY SIGN ON ONE SUPPORT
┤┤ STATIONARY SIGN ON TWO SUPPORTS

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

ROADWAY DETAIL DRAWING FOR

SINGLE LANE RURAL ROUNDABOUT SIGNING

SHEET 1A OF 2

910D40

NORTH CAROLINA PROFESSIONAL SEAL 042546 ENGINEER MATTHEW V. SPRINGER

Signed by: Matthew V. Springer 7/2/2026
BC60F0E8B584403...

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

SEE TITLE BLOCK

ORIGINAL BY: R.S. GALLO DATE: 02-29-2024
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.:

PROJECT REFERENCE NO.	SHEET NO.
U-5810	SIGN-3

APPROVED: DocuSigned by: David T Sears — 069183F28E5741E...

DATE: 7/2/2026

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 044558 ENGINEER DAVID T. SEARS

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(401) QUANTITY REQ'D 6

24" X 30"
R2-1

ONE "U" POST PER SIGN

(402) QUANTITY REQ'D 9

30" X 30"
W2-6

ONE "U" POST PER SIGN

(403) QUANTITY REQ'D 9

30" X 30"
W3-2

ONE "U" POST PER SIGN

(404) QUANTITY REQ'D 18

36" X 36" x 36"
R1-2

ONE "U" POST PER SIGN

(405) QUANTITY REQ'D 9

36" X 12"
R6-1R

ONE "U" POST PER SIGN

(406) QUANTITY REQ'D 4

30" X 30"
W14-2

ONE "U" POST PER SIGN

(407) QUANTITY REQ'D 9

30" X 30"
R1-1

ONE "U" POST PER SIGN

(408) QUANTITY REQ'D 1

18" X 18"
W13-1P

MOUNT BELOW SIGN 406 IN ONE INSTALLATION

(409) QUANTITY REQ'D 2

24" X 12"
W16-7PL

COLOR: FLUORESCENT YELLOW-GREEN

MOUNT BELOW SIGN 410 IN TWO INSTALLATIONS

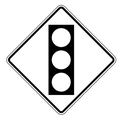
(410) QUANTITY REQ'D 2

30" X 30"
W11-2

COLOR: FLUORESCENT YELLOW-GREEN

ONE "U" POST PER SIGN

(411) QUANTITY REQ'D 1



30" X 30"
W3-3

ONE "U" POST

(412) QUANTITY REQ'D 3

30" X 30"
W3-1

ONE "U" POST PER SIGN

(413) QUANTITY REQ'D 2

30" X 30"
W14-1

ONE "U" POST PER SIGN

(414) QUANTITY REQ'D 9

18" X 18"
W13-1P

MOUNT BELOW SIGN 402 IN NINE INSTALLATIONS

(415) QUANTITY REQ'D 9

OM-3L

PAID FOR AS
"TYPE 3 FLEXIBLE GROUND MOUNTED OBJECT MARKERS"
SEE SPECIAL PROVISION FOR DETAILS

(416) QUANTITY REQ'D 1

24" X 30"
R2-1

ONE "U" POST

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TYPE "E" SIGNS

PROJECT REFERENCE NO.	SHEET NO.
U-5810	SIGN-4

APPROVED: Docusigned by: David T Sears 069183F28E5741E...

DATE: 7/2/2026

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 044558 ENGINEER DAVID T. SEARS

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SIGN NUMBER: 301
TYPE: D
QUANTITY: 1

SIGN WIDTH: 5′-6″
HEIGHT: 2′-6″
TOTAL AREA: 13.8 Sq.Ft.

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

NO. Z BARS:
LENGTH:

BACKG COLOR: Green
COPY COLOR: White

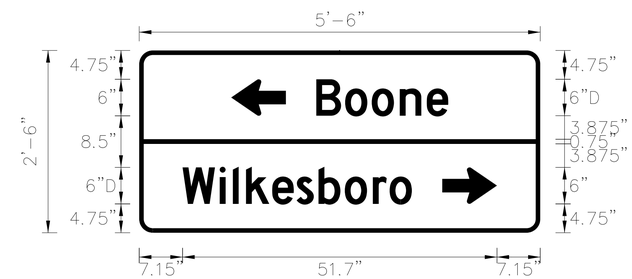
SYMBOL	X	Y	WID	HT
ARUP	15.1	19.2	6	9
ARUP	49.9	4.8	6	9

MAT′L: 0.125″ (3.2 mm) ALUMINUM

USE NOTES: 1,2

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

DESIGN BY: A. TUTT | CHECKED BY: D. SEARS | Sep 09, 2021
PROJECT ID: U-5810 | LOCATION: -L3- STA. 101+50 | DIV: 11



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

																										Series/Size Text Length
		B	o	o	n	e																				D 2000
	29.1	4.7	4.4	4.6	4.4	3.5	15.1																			21.7
		W	i	l	k	e	s	b	o	r	o															D 2000
	7.1	6.1	2.2	2.2	4.3	4	3.6	4.3	4.6	2.8	3.7	21.1														37.7

FILENAME: U-5810_SGN_Design

NORTH CAROLINA D.O.T. SIGN DETAIL

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SIGN DESIGN

PROJECT REFERENCE NO.	SHEET NO.
U-5810	SIGN-5

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SEAL

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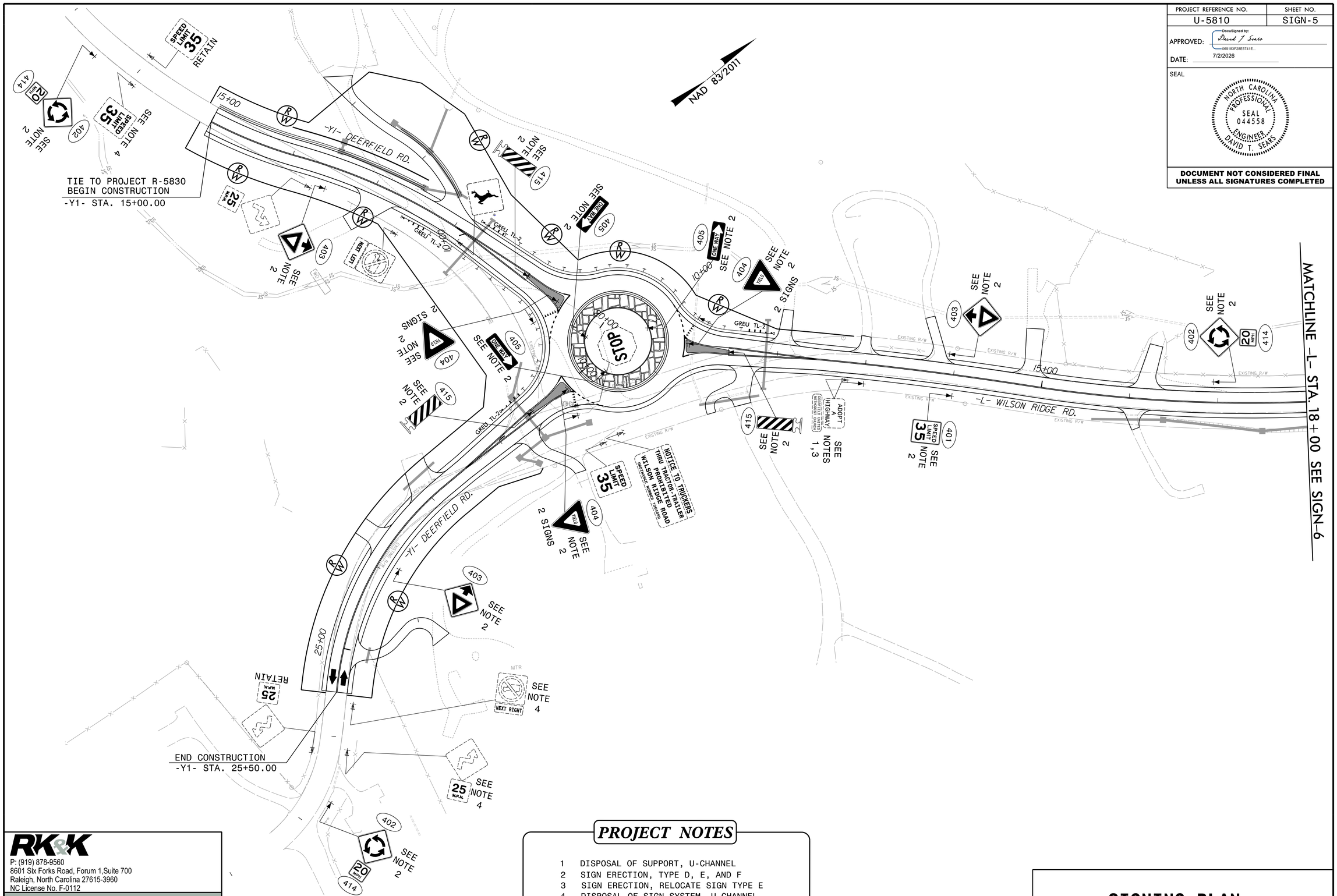

PROJECT NOTES

1 DISPOSAL OF SUPPORT, U-CHANNEL
2 SIGN ERECTION, TYPE D, E, AND F
3 SIGN ERECTION, RELOCATE SIGN TYPE E
4 DISPOSAL OF SIGN SYSTEM, U-CHANNEL

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Pedro

SIGNING PLAN

PROJECT REFERENCE NO.	SHEET NO.
U-5810	SIGN-6

APPROVED: DocuSigned by: David T Sears 069183F28E5741E...

DATE: 7/2/2026

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 044558 ENGINEER DAVID T. SEARS

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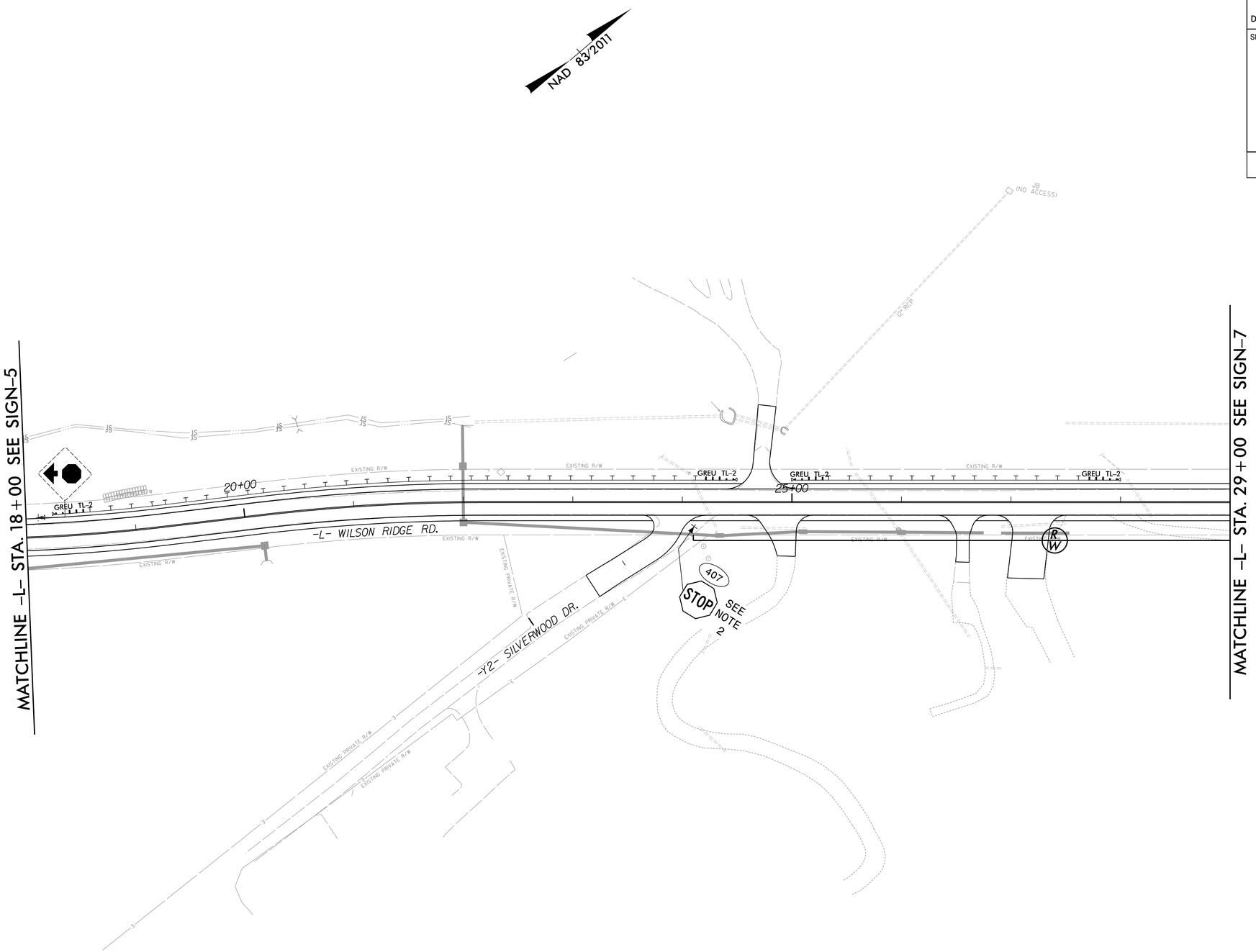

PROJECT NOTES

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SIGNING PLAN

PROJECT REFERENCE NO.	SHEET NO.
U-5810	SIGN-7

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DATE: 7/2/2026

SEAL

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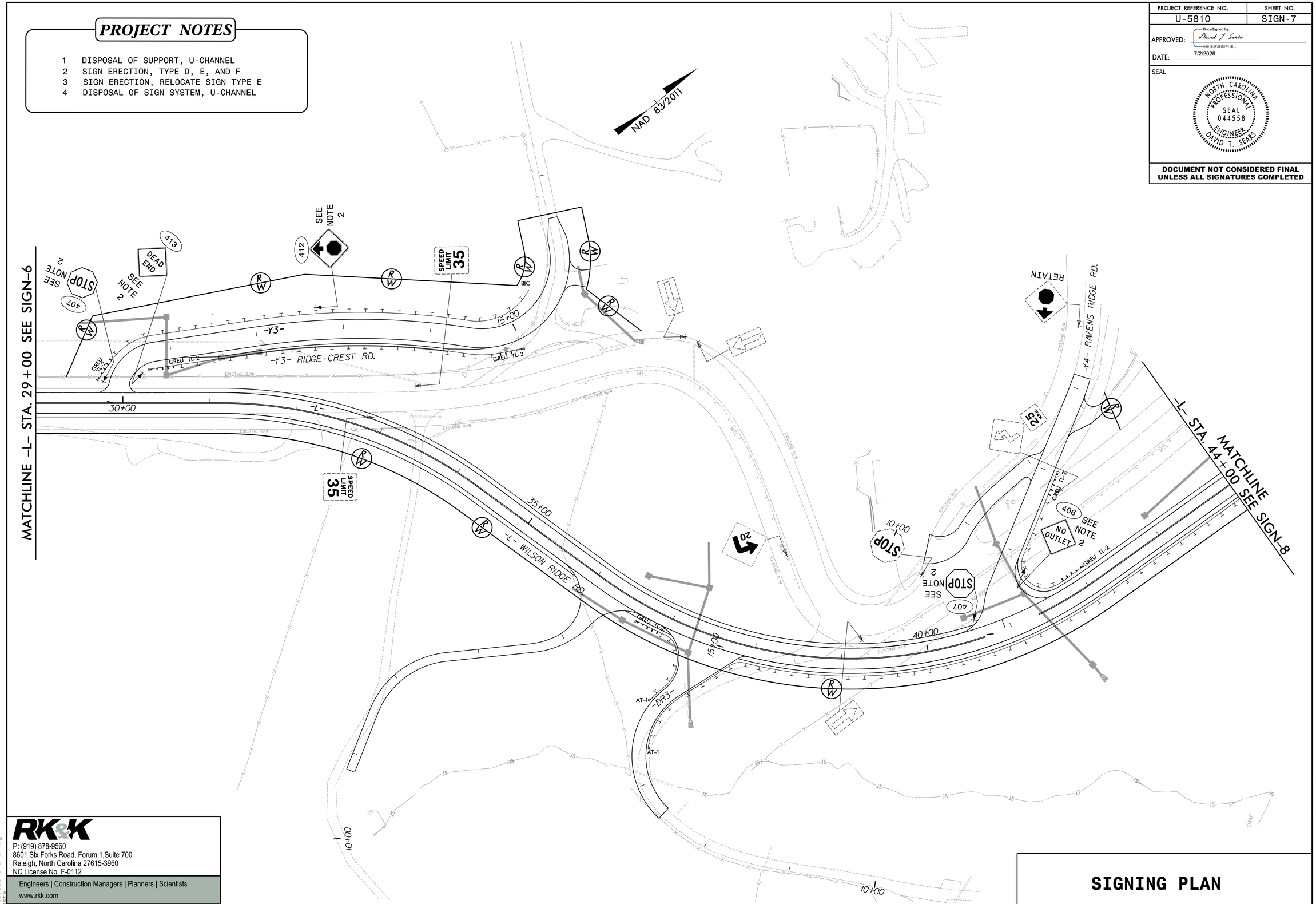
4 DISPOSAL OF SIGN SYSTEM, U-CHANNEL



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SIGNING PLAN

PROJECT REFERENCE NO.	SHEET NO.
U-5810	SIGN-8

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PROJECT NOTES

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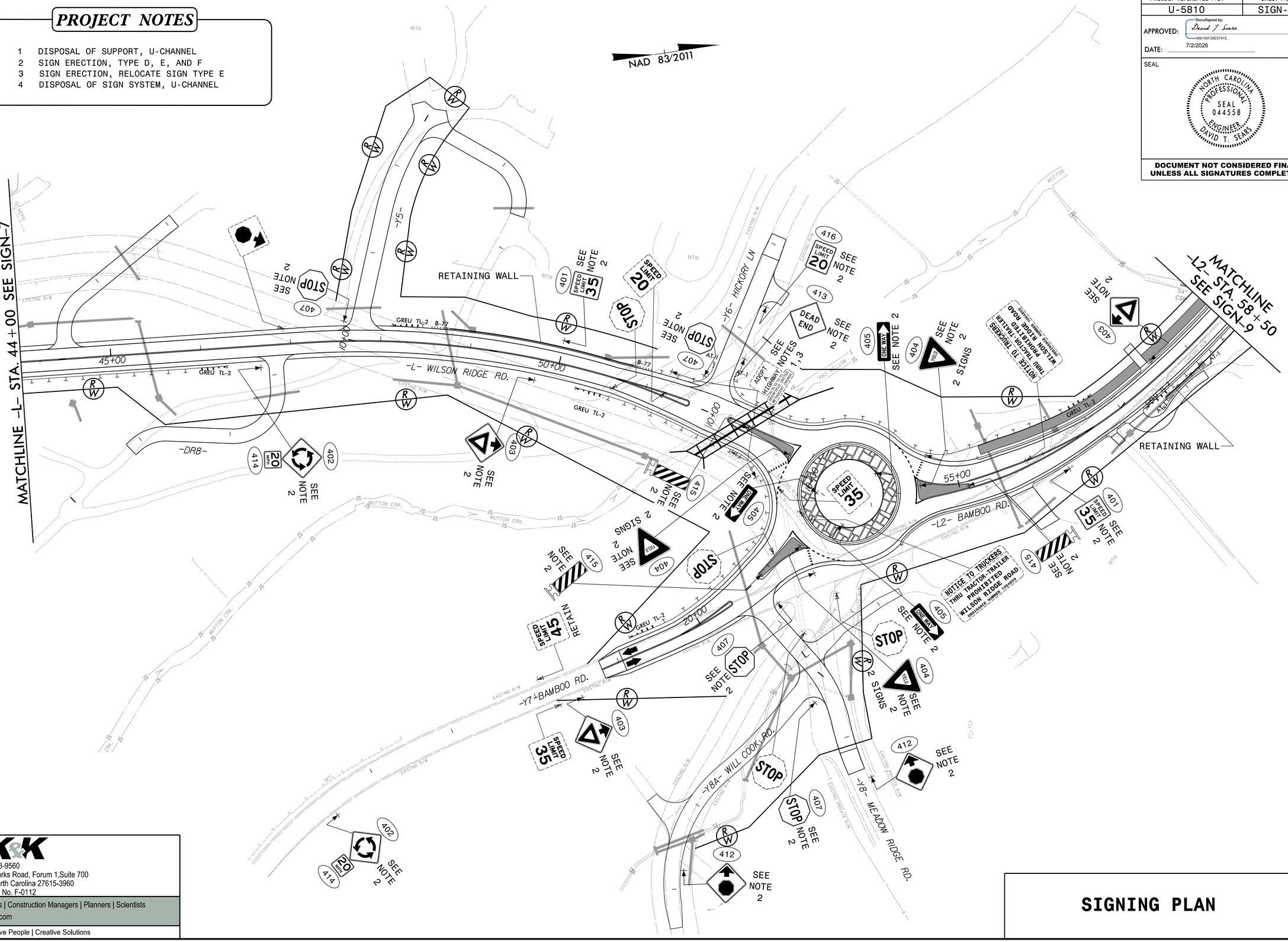

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PROJECT REFERENCE NO.	SHEET NO.
U-5810	SIGN-9

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SEAL

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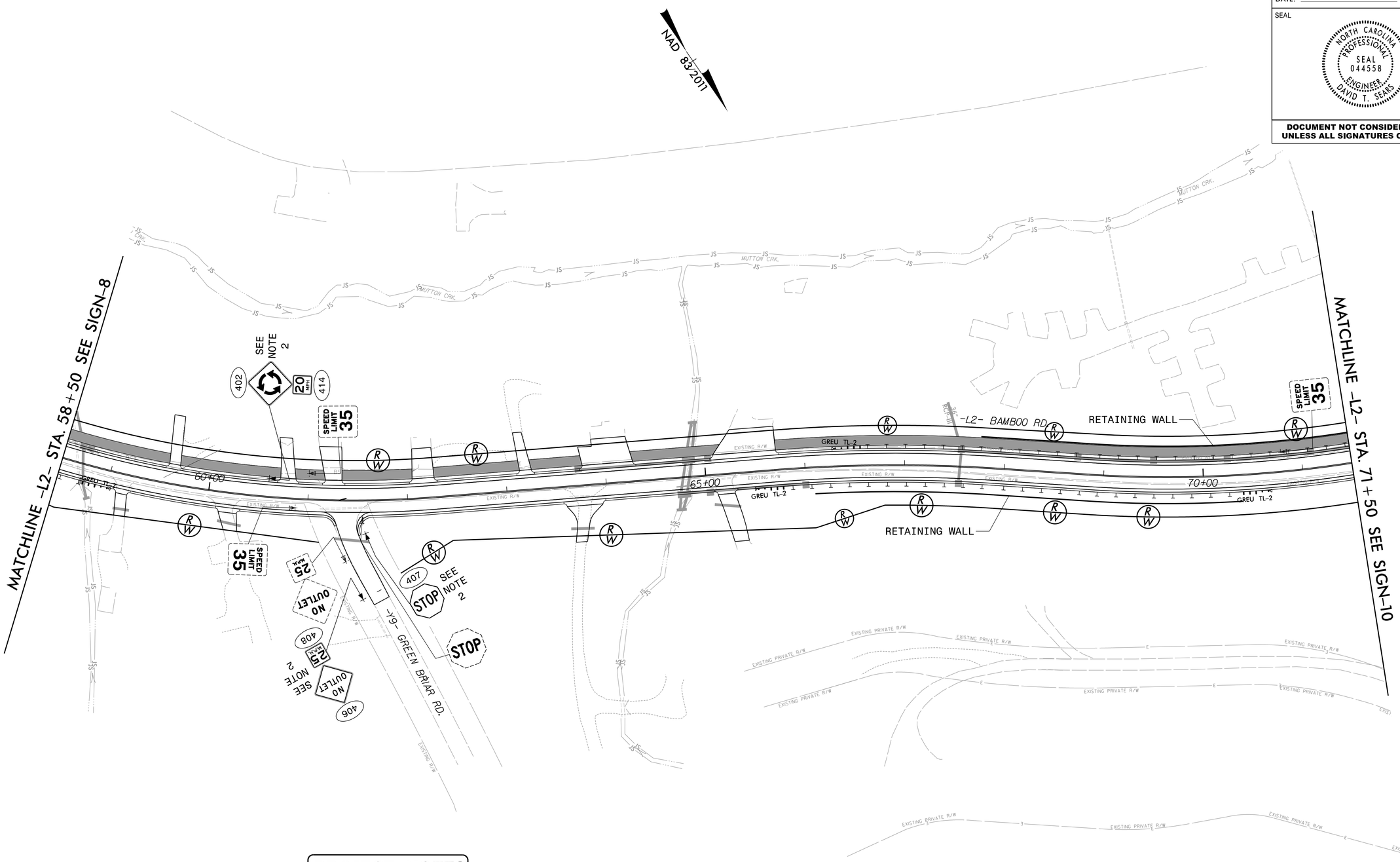

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PROJECT REFERENCE NO.	SHEET NO.
U-5810	SIGN-10

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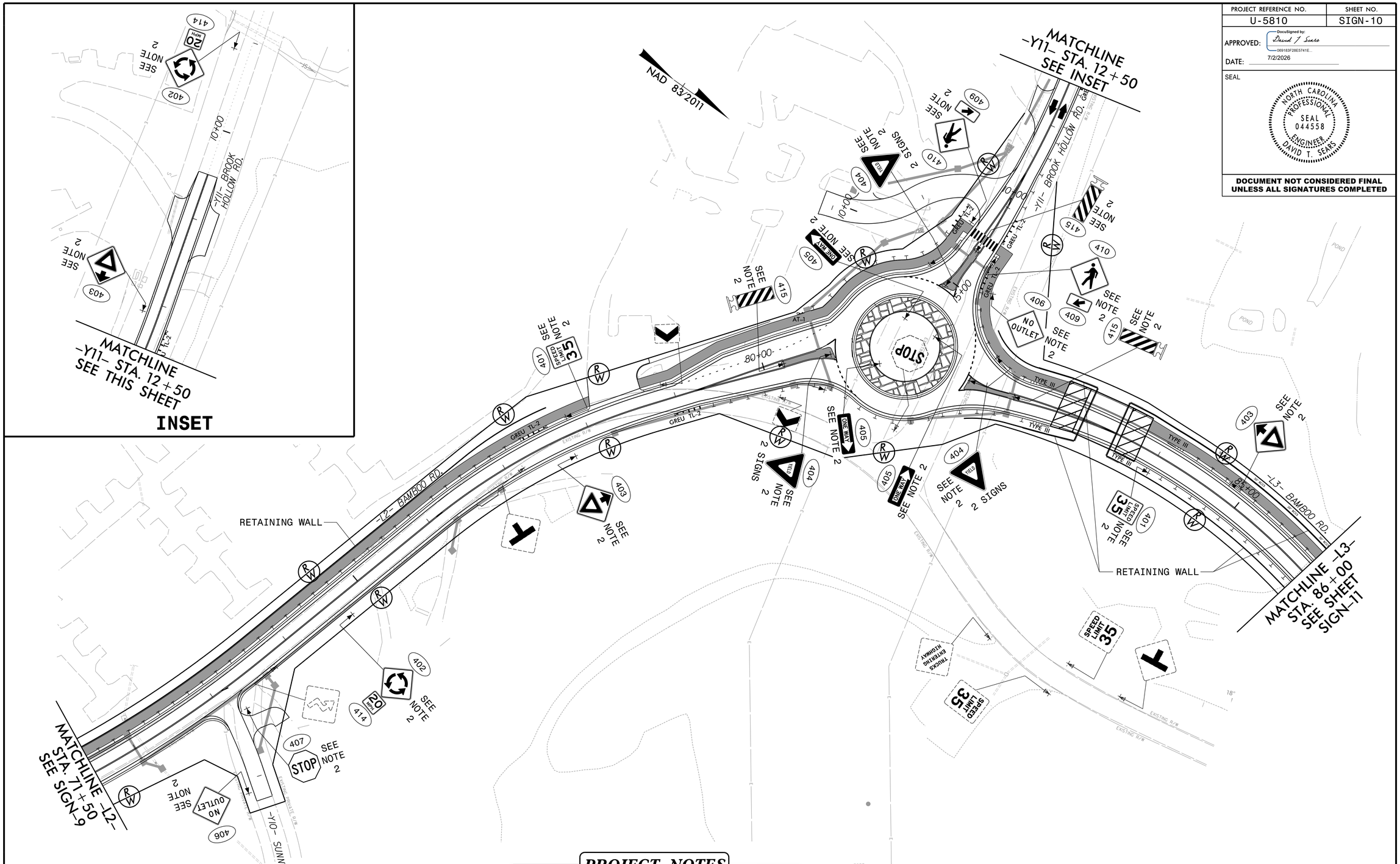

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PROJECT REFERENCE NO.	SHEET NO.
U-5810	SIGN-11

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DATE: 7/2/2026

SEAL

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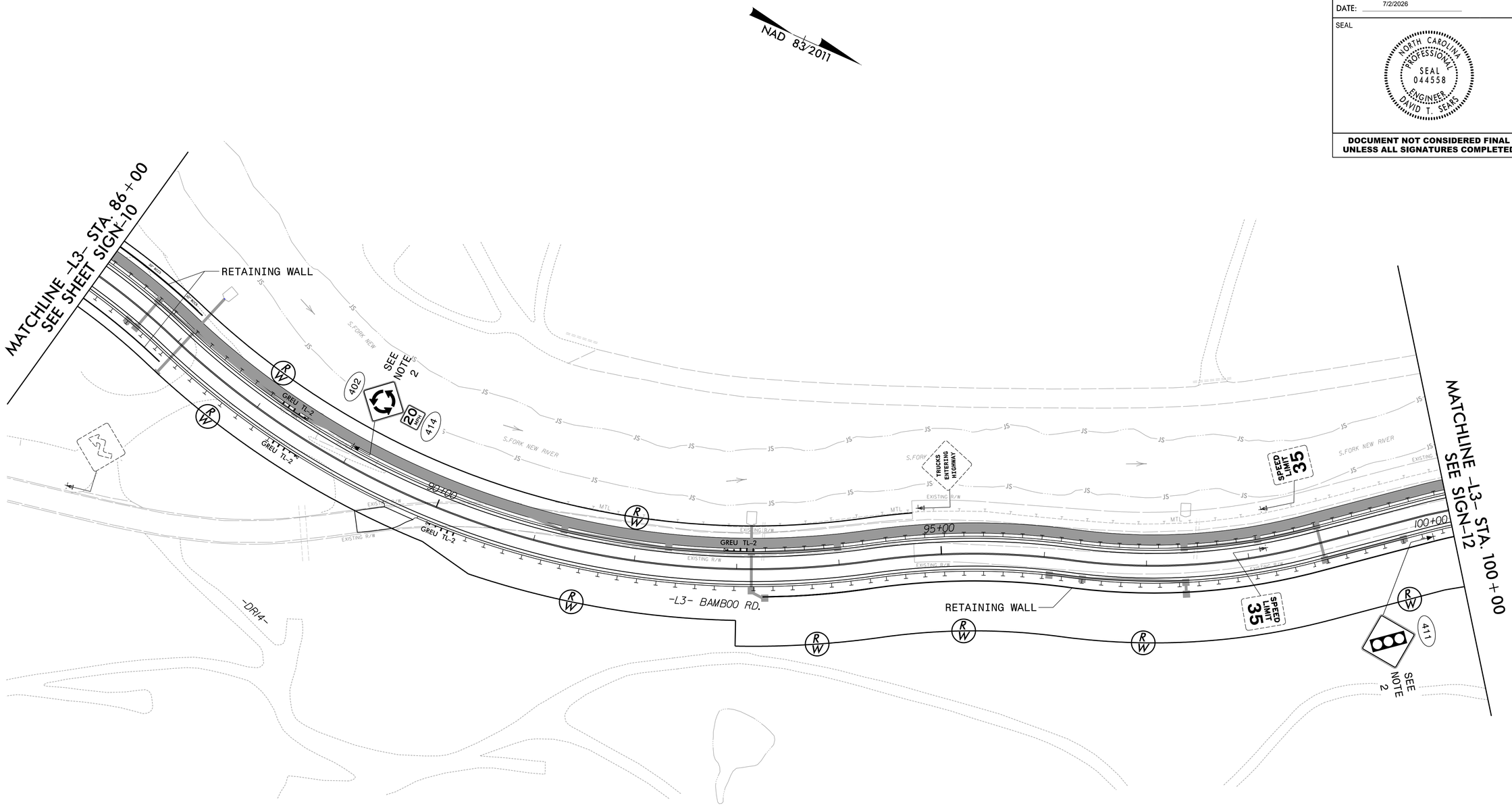

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SIGNING PLAN

05/14/26
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PROJECT REFERENCE NO.	SHEET NO.
U-5810	SIGN-12

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DATE: 7/2/2026

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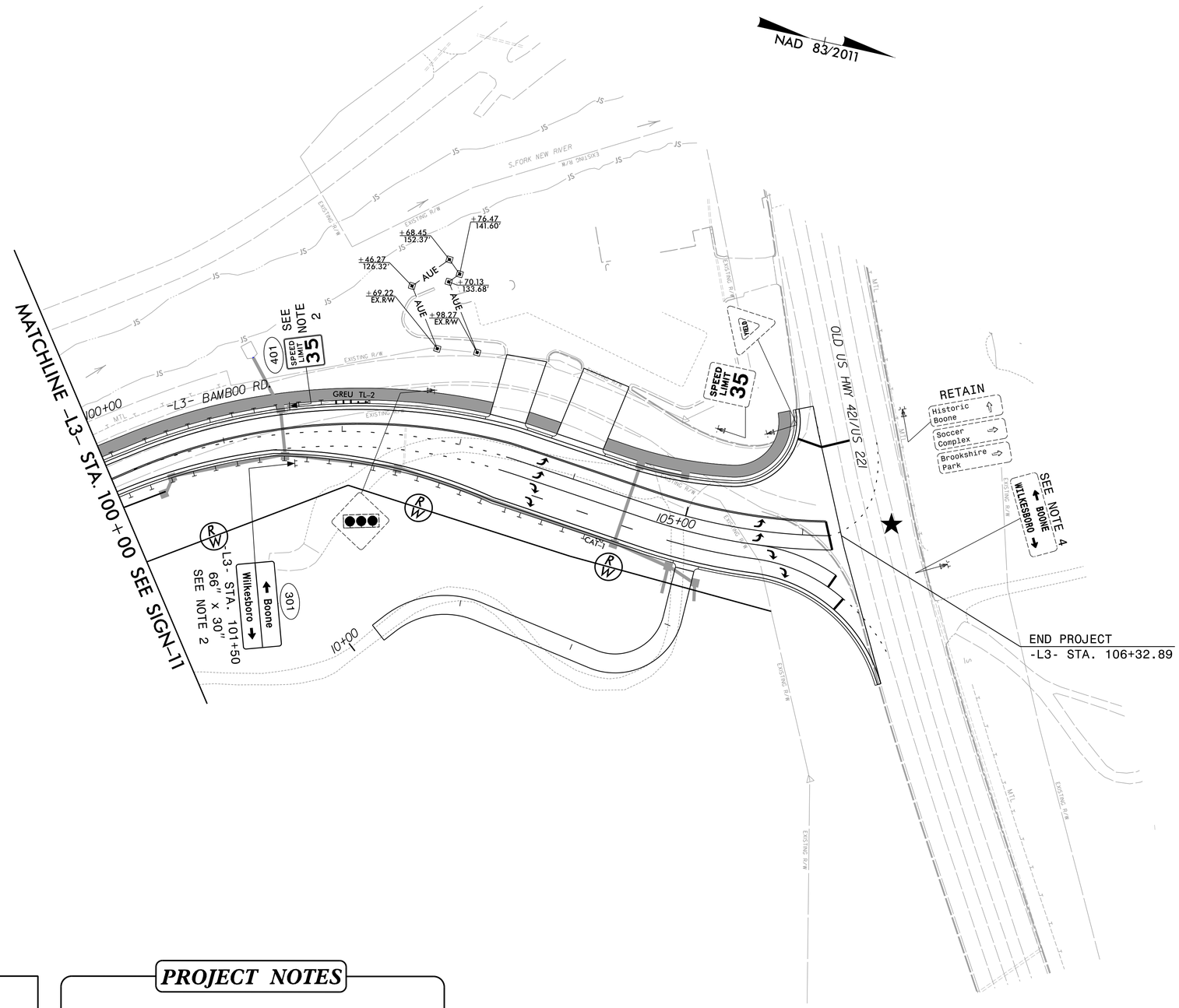

★ SIGNALIZED INTERSECTION

PROJECT NOTES

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