

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
WAKE COUNTY

LOCATION: US 401 SOUTH OF SR 1006 (OLD STAGE ROAD) TO SOUTH OF SR 2538 (MECHANICAL BOULEVARD)

PROJECT REFERENCE NO. U-5302	SHEET NO. SIGN-01
APPROVED: _____	
DATE: _____	
SEAL	
	
Signed by: <i>Jeff Koontz</i> <small>BAEFPC022847...</small>	
1/29/2026	
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U-5302

CONTRACT: C204512

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
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
910.20	SIGNING SCHOOL ZONE
910.30	SIGNING SIGNALIZED REDUCED CONFLICT INTERSECTION LEFT OUT / DUAL U-TURN

GENERAL NOTES

- . 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.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN	42	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	657	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN	243	S.F.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	2,780	L.F.
4096000000	904	SIGN ERECTION, TYPE D	2	EA.
4102000000	904	SIGN ERECTION, TYPE E	103	EA.
4108000000	904	SIGN ERECTION, TYPE F	22	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)	3	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED)	4	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	46	EA.
4957000000	1264	OBJECT MARKERS (TYPE 1)	13	EA.

PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. RELOCATE SIGN, TYPE D
3. RELOCATE SIGN, TYPE E

★ SIGNALIZED INTERSECTION

INDEX

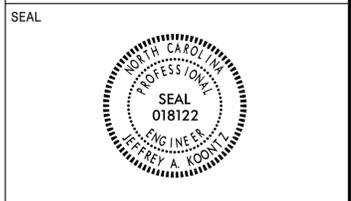
SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	TYPE "E" SIGNS
SIGN-3	TYPE "F" SIGNS
SIGN-4 - SIGN-4A	SIGN DETAILS
SIGN-5-16	SIGNING PLAN SHEETS

PLAN PREPARED BY: **AECOM** 5438 Wade Park Blvd, Suite 200
Raleigh, NC 27607
(919) 854-6200 - (919) 854-6259 (FAX)

JEFFREY KOONTZ, PE PROJECT ENGINEER
PATRICK MCPHERSON, PE PROJECT DESIGNER



APPROVED: *Jeff Koontz*
DATE: 1/8/2026



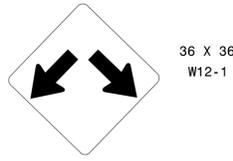
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401 QUANTITY REQ'D 9



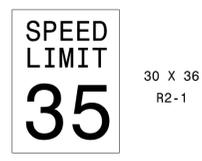
ONE "U" POST PER SIGN

406 QUANTITY REQ'D 8



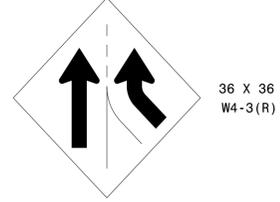
ONE "U" POST PER SIGN

411 QUANTITY REQ'D 3



ONE "U" POSTS PER SIGN

416 QUANTITY REQ'D 1



TWO "U" POSTS PER SIGN

421 QUANTITY REQ'D 2



YELLOW/GREEN REFLECTIVE SHEETING

MOUNT BELOW SIGN 420
IN 1 INSTALLATIONS

MOUNT ABOVE SIGN 422
IN 1 INSTALLATIONS

402 QUANTITY REQ'D 7



TWO "U" POSTS PER SIGN

407 QUANTITY REQ'D 3



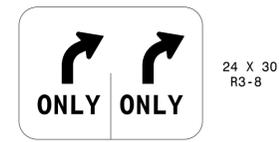
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412 QUANTITY REQ'D 1



ONE "U" POST PER SIGN

417 QUANTITY REQ'D 3



ONE "U" POST PER SIGN

422 QUANTITY REQ'D 1



ONE "U" POSTS PER SIGN

403 QUANTITY REQ'D 11



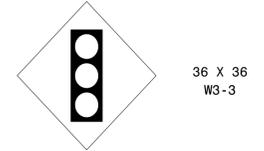
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408 QUANTITY REQ'D 1



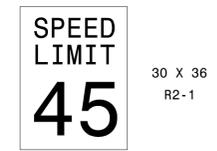
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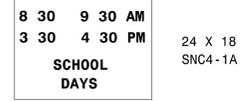
ONE "U" POST PER SIGN

418 QUANTITY REQ'D 3



ONE "U" POST PER SIGN

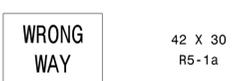
423 QUANTITY REQ'D 1



MOUNT BELOW SIGN 422
IN 1 INSTALLATION

CONFIRM TIMES BEFORE SIGN IS INSTALLED

404 QUANTITY REQ'D 8



ONE "U" POST PER SIGN

409 QUANTITY REQ'D 13



MOUNT BELOW SIGN 410
IN 13 INSTALLATIONS

414 QUANTITY REQ'D 1



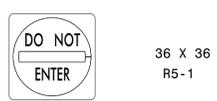
MOUNT ABOVE SIGN 410
IN 1 INSTALLATION

419 QUANTITY REQ'D 1



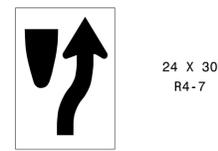
MOUNT ABOVE SIGN 410
IN 1 INSTALLATION

405 QUANTITY REQ'D 8



ONE "U" POST PER SIGN

410 QUANTITY REQ'D 13



ONE "U" POST PER SIGN

415 QUANTITY REQ'D 1



ONE "U" POSTS PER SIGN

420 QUANTITY REQ'D 1



YELLOW/GREEN REFLECTIVE SHEETING

ONE "U" POSTS PER SIGN

AECOM
5438 Wade Park Blvd, Suite 200
Raleigh, NC 27607
(919) 854-6200 - (919) 854-6259 (FAX)

TYPE "E" SIGNS

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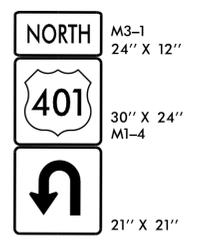
APPROVED: 
Signed by: Jeffrey A. Koontz
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DATE: 1/8/2026



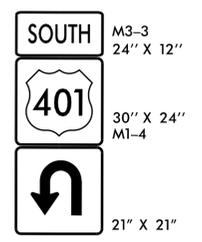
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501 QUANTITY REQ'D 9



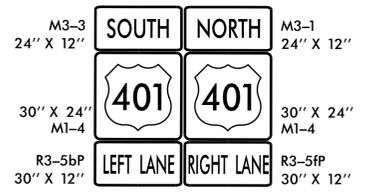
ONE "U" POST PER ASSEMBLY

502 QUANTITY REQ'D 9



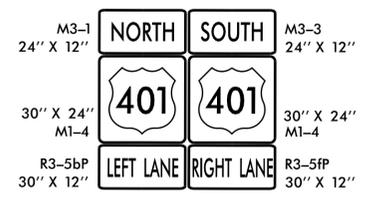
ONE "U" POST PER ASSEMBLY

503 QUANTITY REQ'D 2



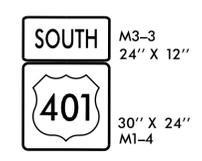
TWO "U" POSTS PER ASSEMBLY

504 QUANTITY REQ'D 1



TWO "U" POSTS PER ASSEMBLY

505 QUANTITY REQ'D 1



ONE "U" POST PER ASSEMBLY

AECOM
 5438 Wade Park Blvd, Suite 200
 Raleigh, NC 27607
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TYPE "F" SIGNS

12/9/2025
 c:\pwworking\usnc\dmsa07271\us5302_TC_SIGN_psh_03.dgn
 User: Jeff Koontz



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SIGN DETAIL (302)
1:75



SIGN NUMBER	302
WIDTH x HGT.	7' -6" x 3' -0"
BORDER WIDTH	1"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

M.U.T.C.D.: 2009 Edition
 Panel Styleguide_con.distance.ssi
 Dimensions are inches, tenths

Letter spacings are to start of next letter

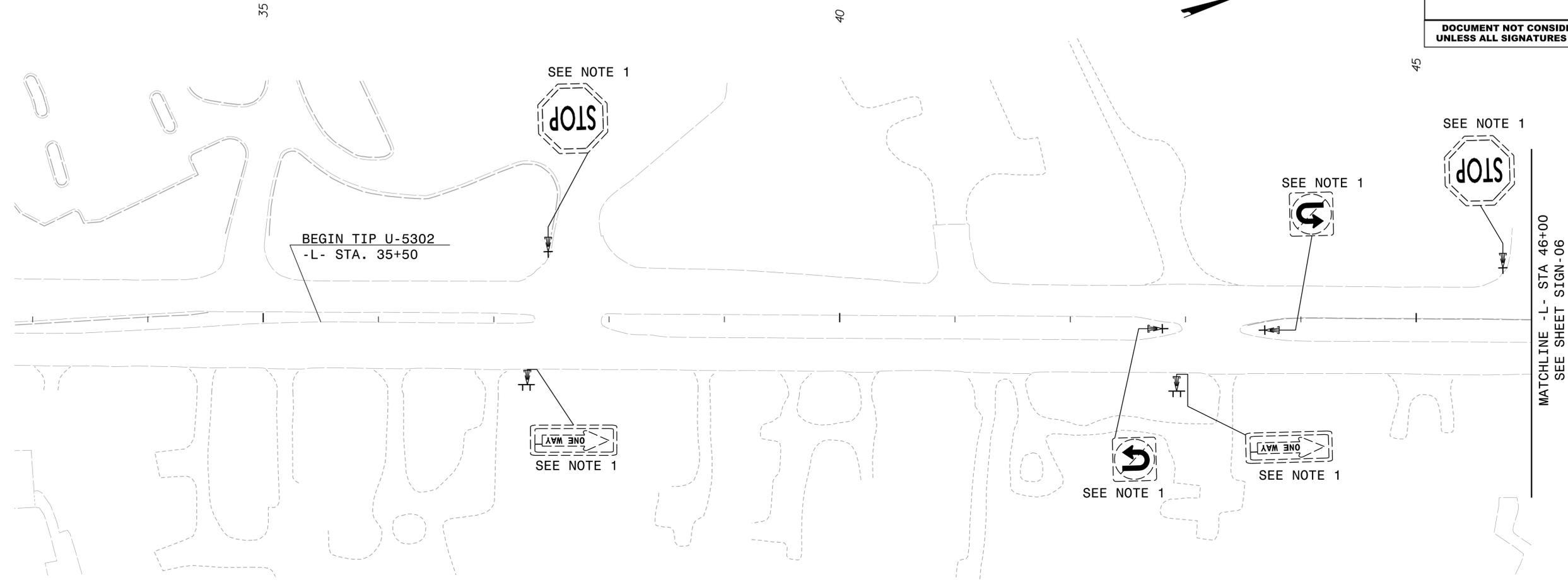
LETTER POSITIONS (X)															LENGTH	SERIES/SIZE	
	L	i	i	i	n	g	t	o	n								D 2000
6.03	6	2.88	2.88	2.88	2.88	5.92	5.68	3.76	6.16	4.72	40.21						43.768/6
	2	8															D 2000
71.52	7.04	5.44	6														12.488
	F	a	y	e	t	t	e	v	i	l	l	e					D 2000
6.03	5.6	5.44	6.64	5.12	3.36	3.76	5.2	6.64	2.88	2.88	2.56	4.72	29.17				54.88/6
	5	6															D 2000
71.52	7.04	5.44	6														12.488

12/9/2025
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 Jserjeff.koontz

SIGN DESIGNS

PROJECT REFERENCE NO. U-5302	SHEET NO. SIGN-05
APPROVED:  DATE: 1/8/2026	
SEAL 	
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PROJECT NOTES

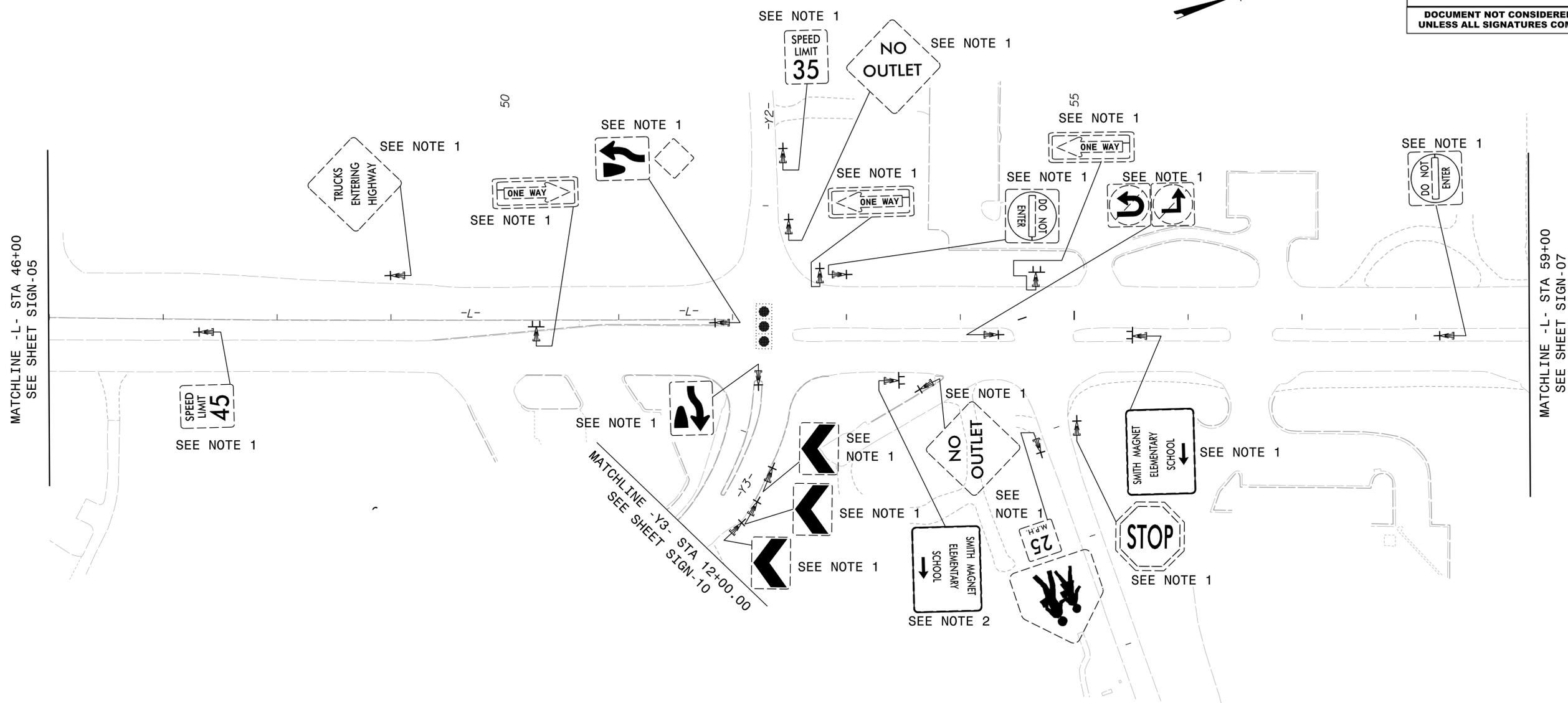
1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. RELOCATE SIGN, TYPE D
3. RELOCATE SIGN, TYPE E

★ SIGNALIZED INTERSECTION

EXISTING SIGNING
-L- STA 32+80 TO 46+00
US 401

AECOM
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 POTTRICK.mcpherson



PROJECT NOTES

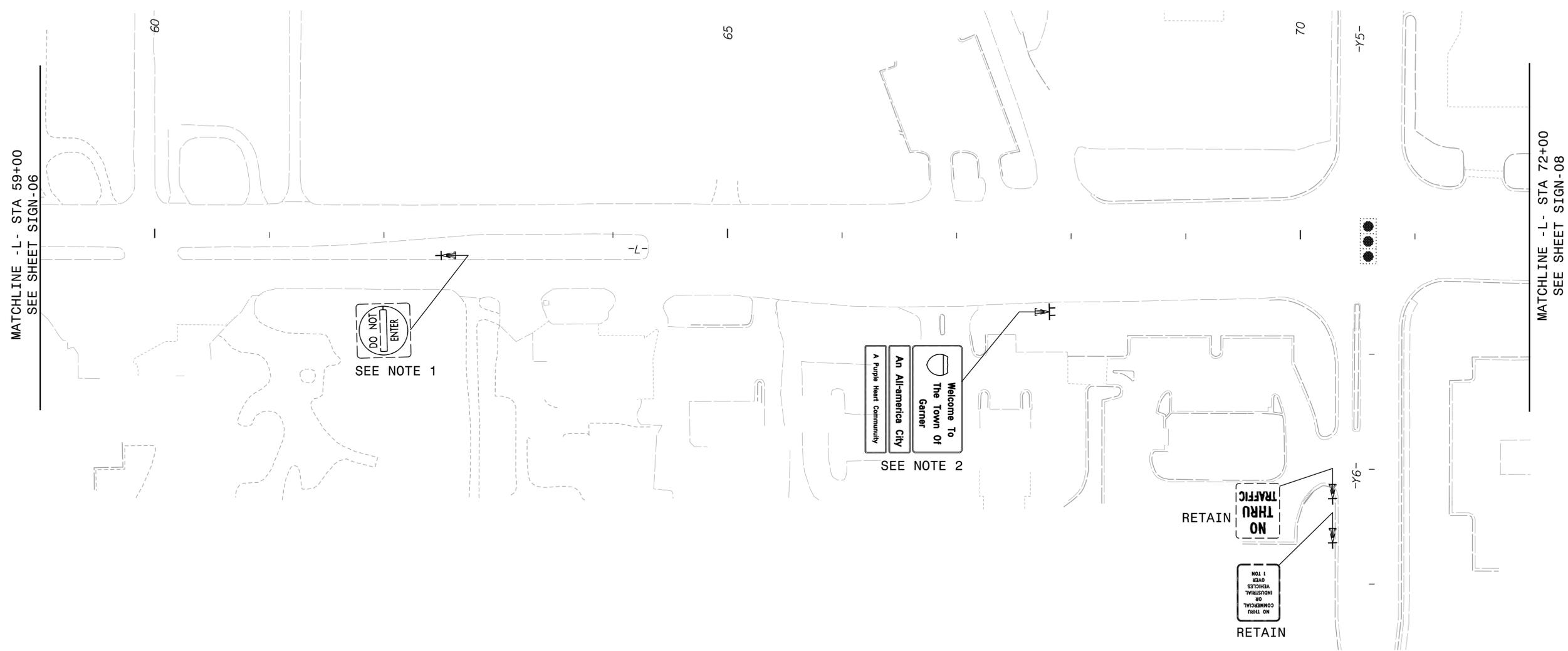
1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. RELOCATE SIGN, TYPE D
3. RELOCATE SIGN, TYPE E

★ SIGNALIZED INTERSECTION

EXISTING SIGNING
 -L- STA 46+00 TO 59+00
 US 401

PROJECT REFERENCE NO. U-5302	SHEET NO. SIGN-07
APPROVED:  SIGNED BY: JEFFREY A. KOOTLE	
DATE: 1/8/2026	
SEAL 	
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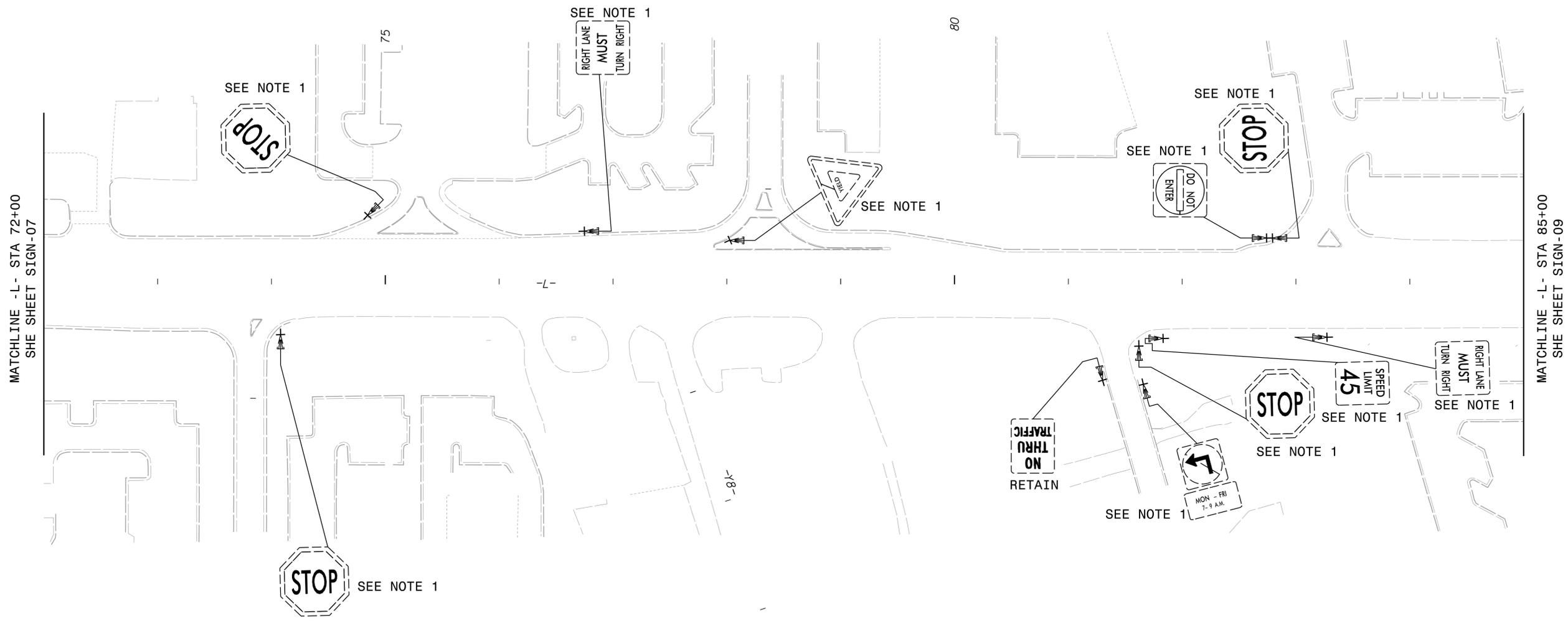


- PROJECT NOTES**
1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 2. RELOCATE SIGN, TYPE D
 3. RELOCATE SIGN, TYPE E
- ★ SIGNALIZED INTERSECTION

EXISTING SIGNING
-L- STA 59+00 TO 72+00
US 401

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PROJECT REFERENCE NO. U-5302	SHEET NO. SIGN-08
APPROVED:  DATE: 1/8/2026	
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PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. RELOCATE SIGN, TYPE D
3. RELOCATE SIGN, TYPE E

★ SIGNALIZED INTERSECTION

EXISTING SIGNING
-L- STA 72+00 TO 85+00
US 401

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PROJECT REFERENCE NO. U-5302	SHEET NO. SIGN-09
APPROVED:  DATE: 1/8/2026	
SEAL 	
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MATCHLINE -L- STA 85+00
SEE SHEET SIGN-08

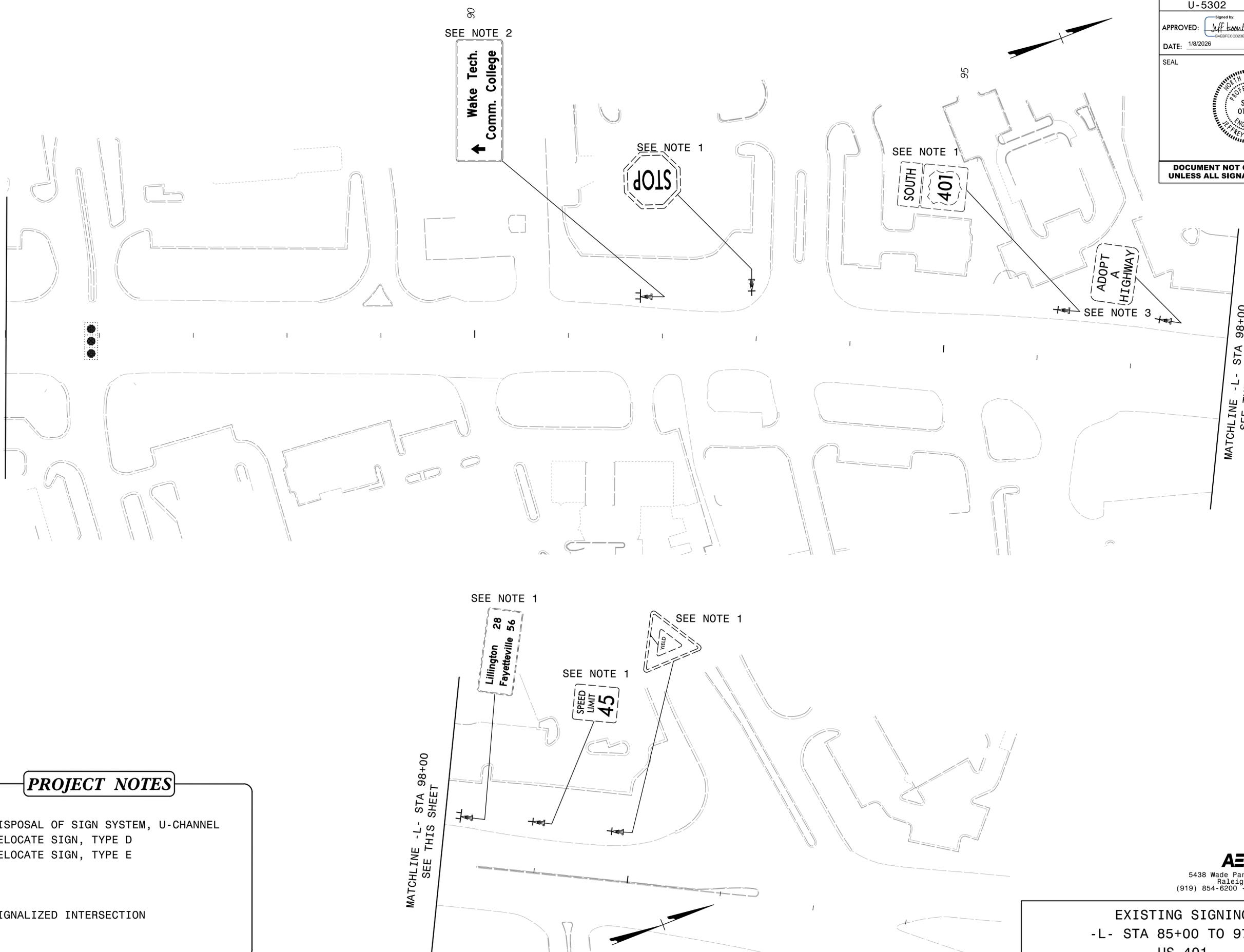
MATCHLINE -L- STA 98+00
SEE THIS SHEET

PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. RELOCATE SIGN, TYPE D
3. RELOCATE SIGN, TYPE E

★ SIGNALIZED INTERSECTION

MATCHLINE -L- STA 98+00
SEE THIS SHEET

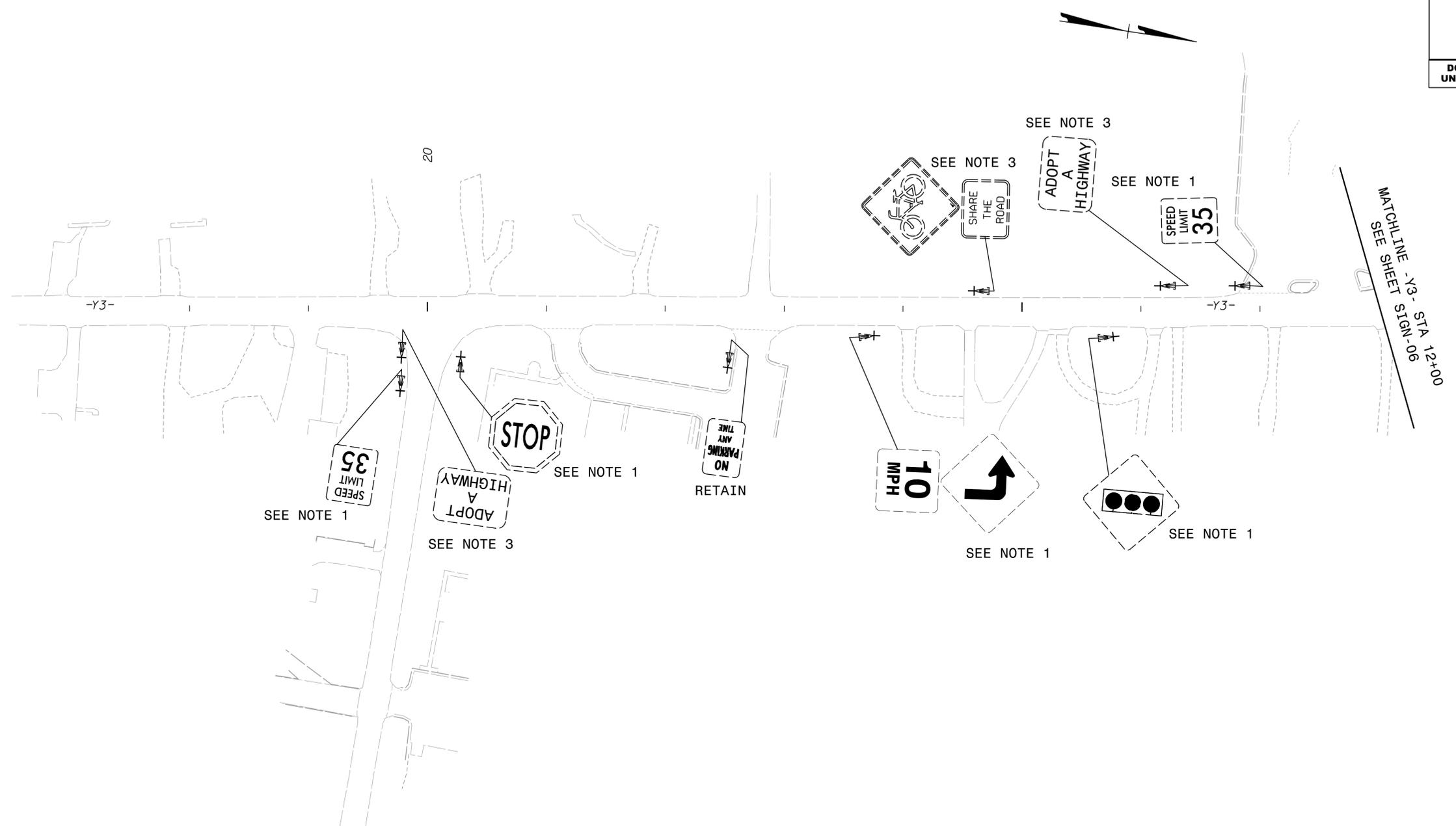


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DOTTRICK.mcpherson

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EXISTING SIGNING
-L- STA 85+00 TO 97+00
US 401

PROJECT REFERENCE NO. U-5302	SHEET NO. SIGN-10
APPROVED: <i>Jeff Koonz</i> <small>Signed by: 848F6CCD3B4F7</small>	
DATE: 1/8/2026	
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PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. RELOCATE SIGN, TYPE D
3. RELOCATE SIGN, TYPE E

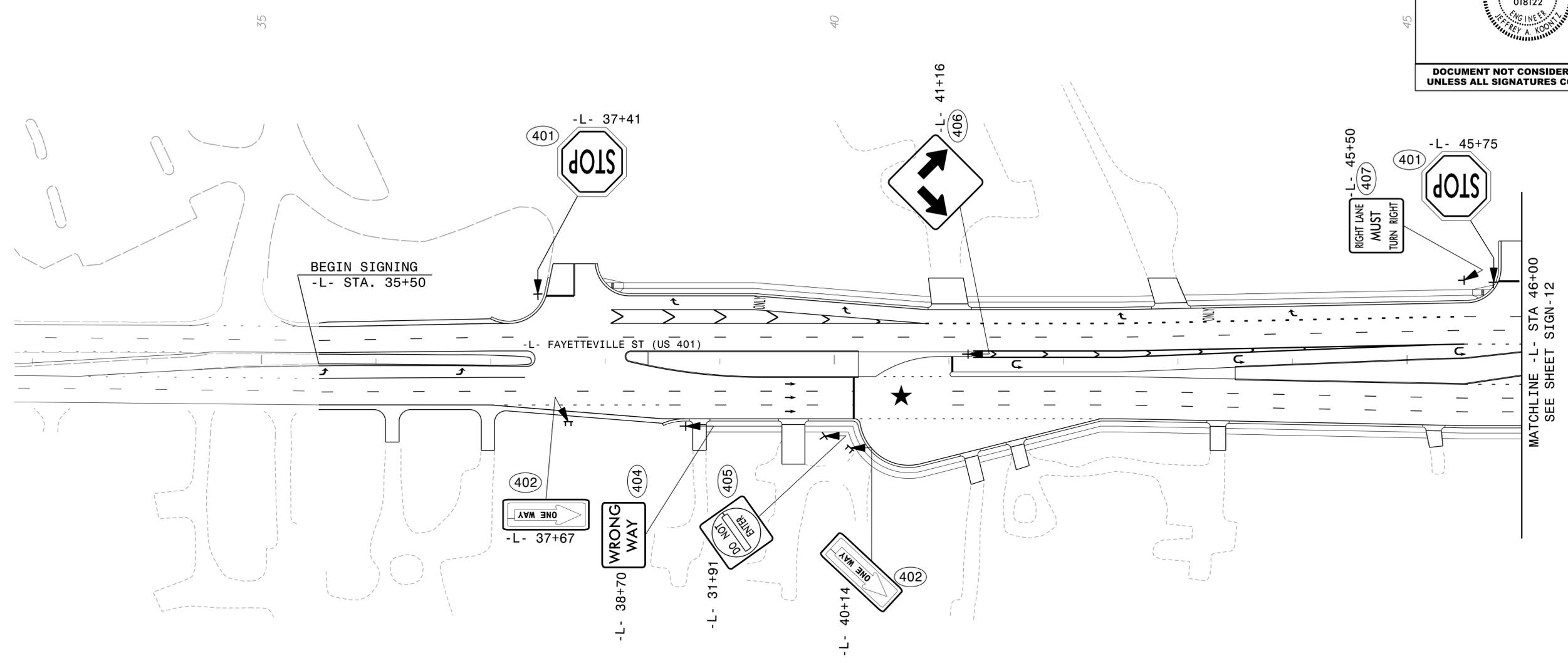
★ SIGNALIZED INTERSECTION

EXISTING SIGNING
-Y3- STA 12+00 TO 23+50
OLD STAGE ROAD

3/31/2025
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 pattick.mcpherson

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 Raleigh, NC 27607
 (919) 854-6200 - (919) 854-6259 (FAX)

PROJECT REFERENCE NO. U-5302	SHEET NO. SIGN-11
APPROVED: <i>Jeff Koonz</i> <small>Signed by: 84EBFECCD384F7</small>	
DATE: 1/8/2026	
SEAL	
	
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PROJECT NOTES

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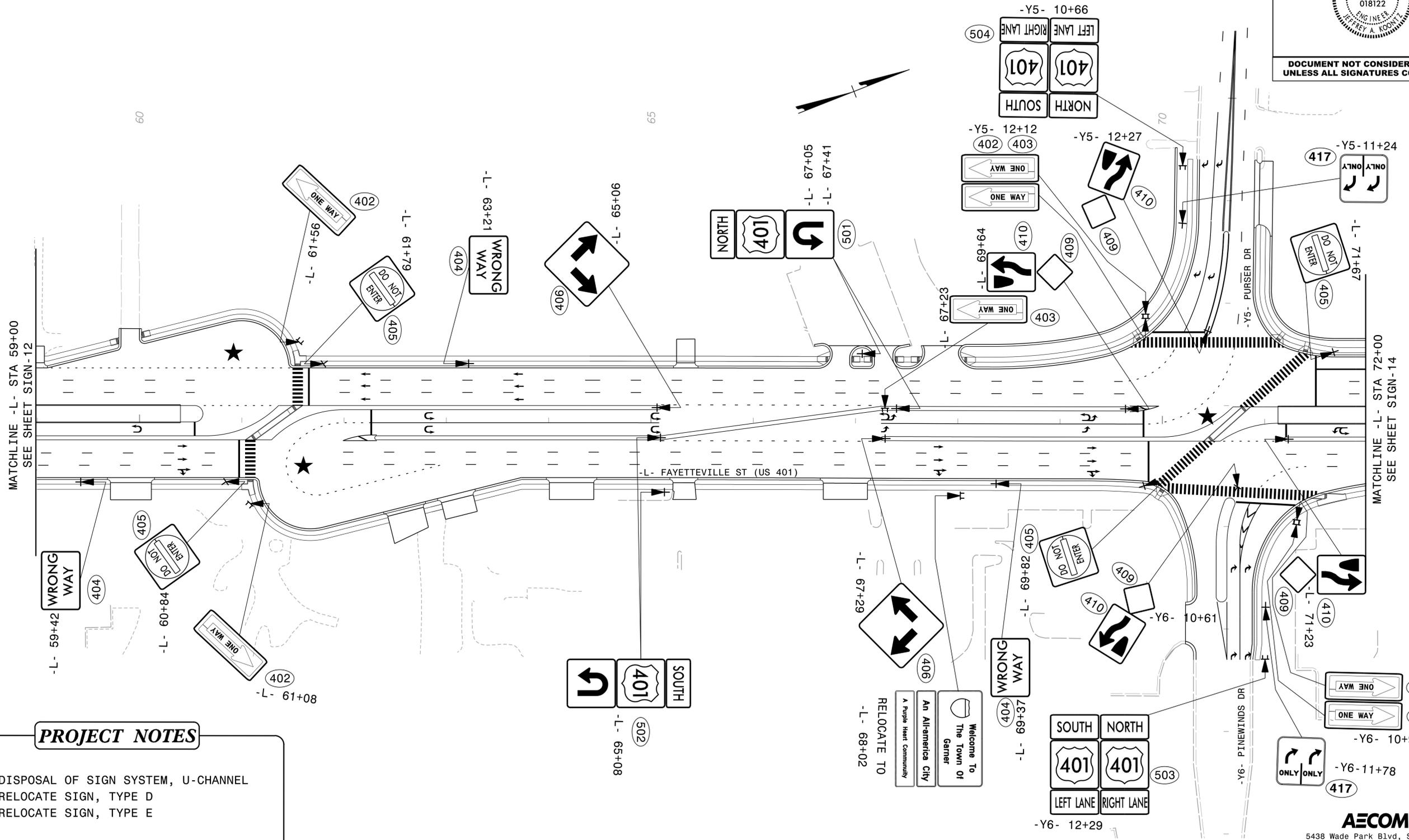
★ SIGNALIZED INTERSECTION

PROPOSED SIGNING
 -L- STA 32+85 TO 46+00
 US 401

3/31/2025
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PROJECT REFERENCE NO. U-5302	SHEET NO. SIGN-13
APPROVED: <i>Jeff Koontz</i> <small>Signature</small>	
DATE: 1/8/2026	
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PROJECT NOTES

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★ SIGNALIZED INTERSECTION

PROPOSED SIGNING
 -L- STA 59+00 TO 72+00
 US 401

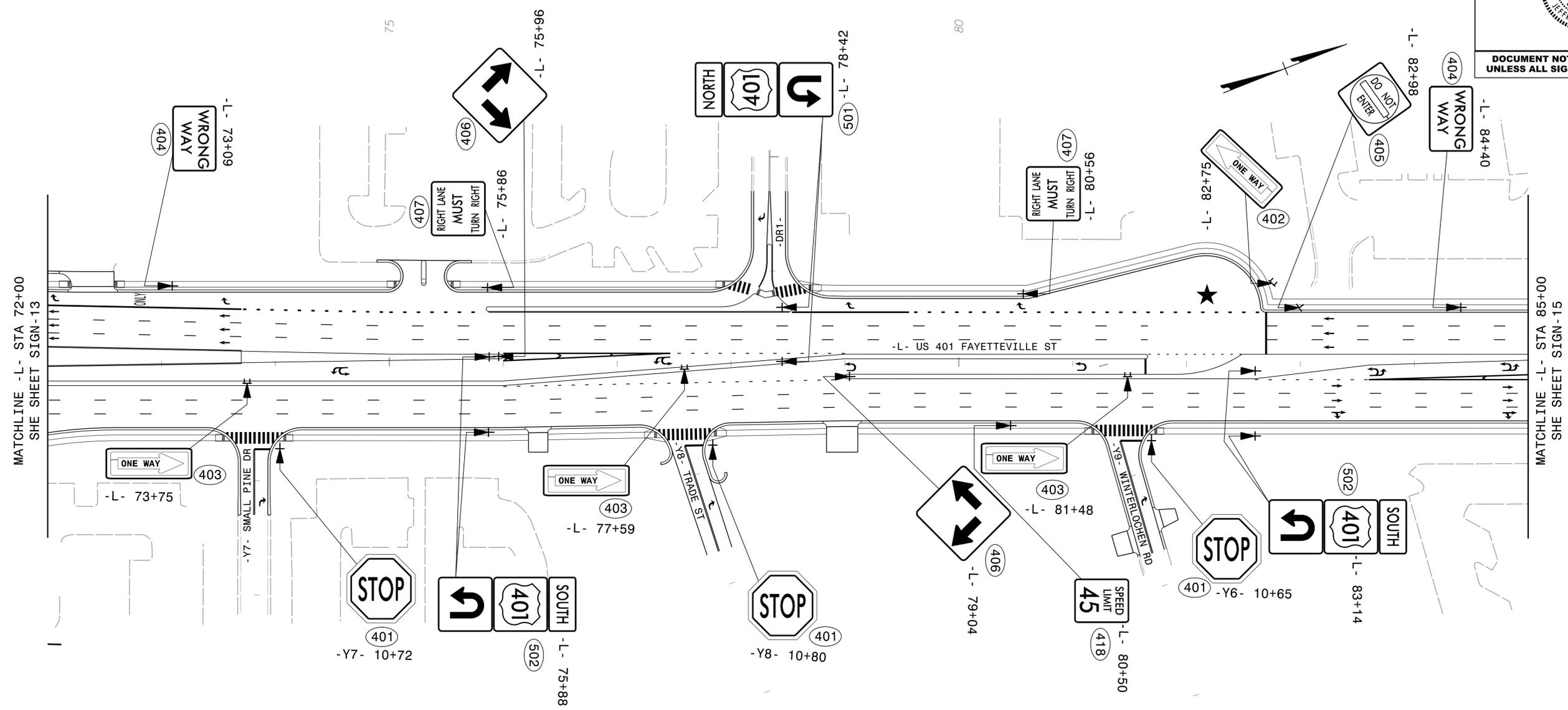
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 POTTRICK.mcpherson

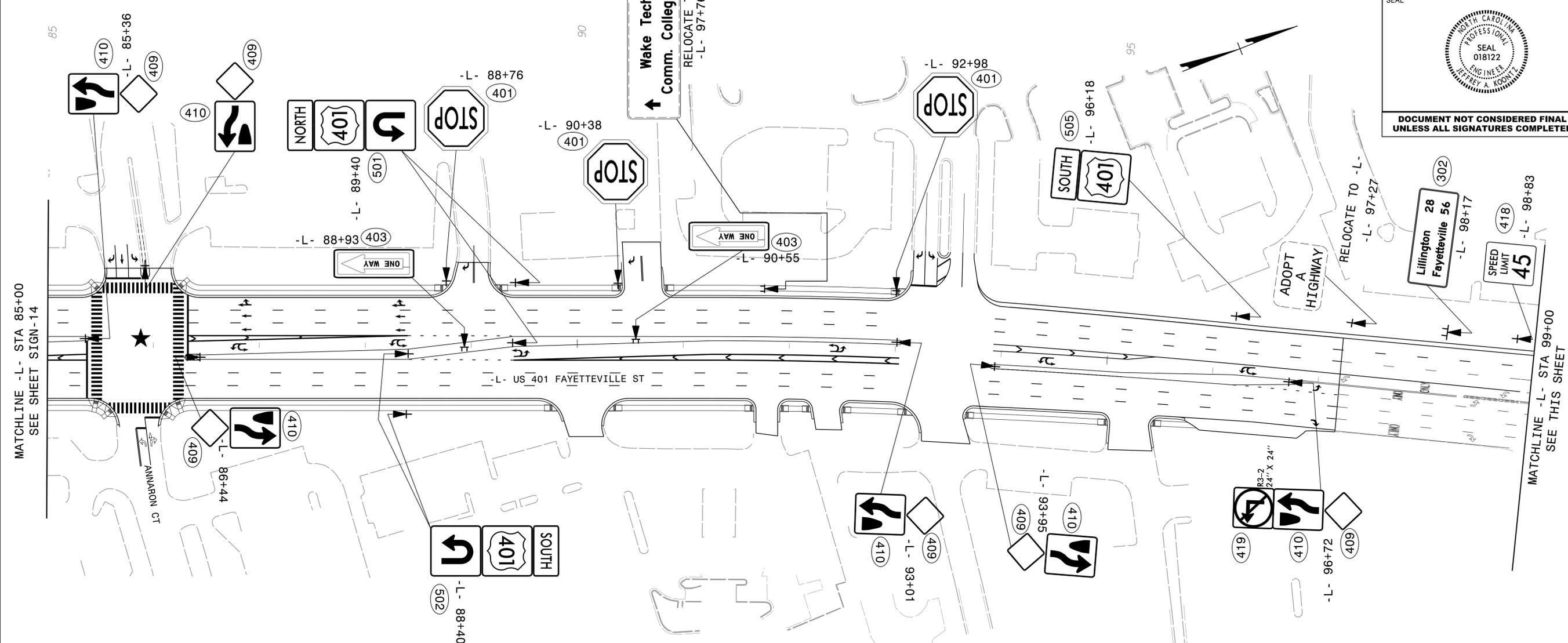


- PROJECT NOTES**
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- ★ SIGNALIZED INTERSECTION

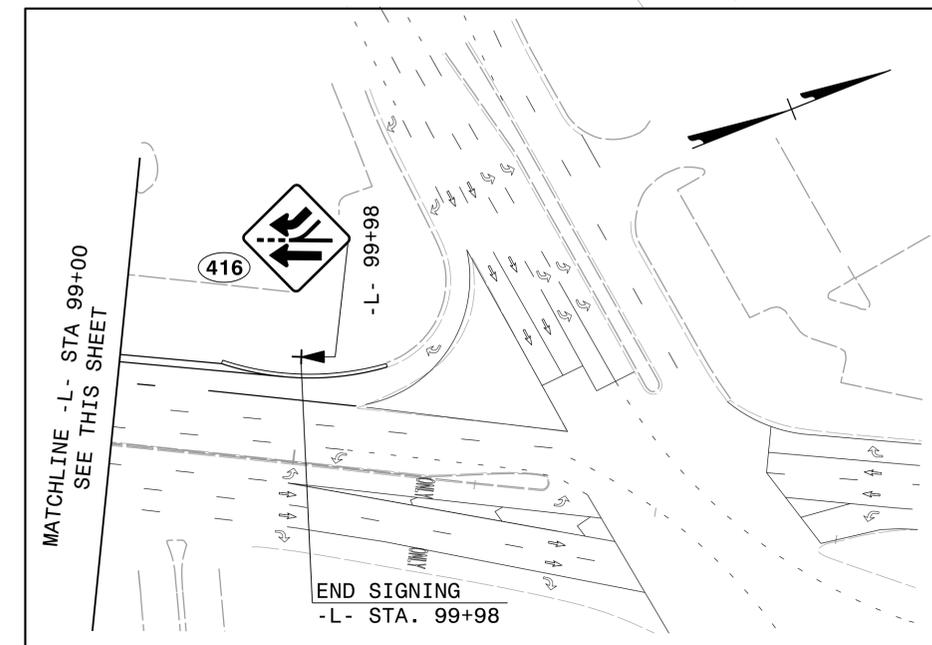
PROPOSED SIGNING
 -L- STA 72+00 TO 85+00
 US 401

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 5438 Wade Park Blvd, Suite 200
 Raleigh, NC 27607
 (919) 854-6200 - (919) 854-6259 (FAX)

PROJECT REFERENCE NO. U-5302	SHEET NO. SIGN-15
APPROVED: <i>Jeff Kootley</i> <small>Signed by: 84EBFECC03B4F7</small>	
DATE: 1/8/2026	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



- PROJECT NOTES**
- DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - RELOCATE SIGN, TYPE D
 - RELOCATE SIGN, TYPE E
- ★ SIGNALIZED INTERSECTION

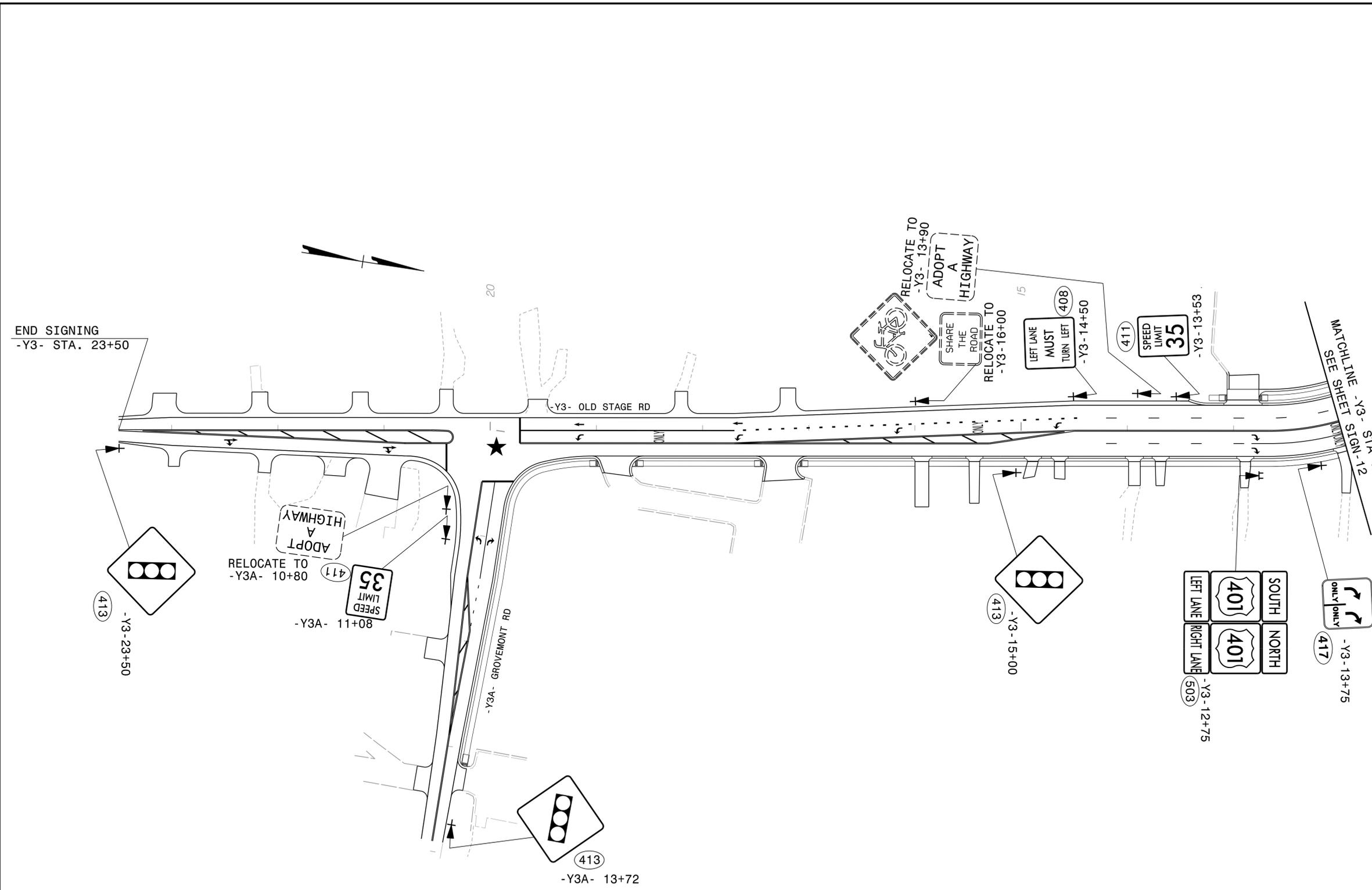


PROPOSED SIGNING
-L- STA 85+00 TO 97+00
US 401

3/31/2025
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DOTTRICK.mcpherson

PROJECT REFERENCE NO. U-5302	SHEET NO. SIGN-16
APPROVED: <i>Jeff Koonz</i> <small>Signed by: B4EBFECCD23B4F7</small>	
DATE: 1/8/2026	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

3/31/2025
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D:\Traffic\mcpheer-son



PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 2. RELOCATE SIGN, TYPE D
 3. RELOCATE SIGN, TYPE E
- ★ SIGNALIZED INTERSECTION

PROPOSED SIGNING
-Y3- STA 12+00 TO 23+50
OLD STAGE ROAD

AECOM
5438 Wade Park Blvd, Suite 200
Raleigh, NC 27607
(919) 854-6200 - (919) 854-6259 (FAX)