

T.I.P.: B-6051U-6143

CONTRACT: C204773

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
GASTON / MECKLENBURG COUNTIES**

**LOCATION: BRIDGE NO. 91 OVER CATAWBA RIVER
ON US 29 /US 74 AND INTERSECTION
IMPROVEMENTS ON US 29 /US 74
(WILKINSON BLVD) AND NC 7 (CATAWBA ST)**

PROJECT REFERENCE NO. B-6051 /U-6143 SHEET NO. SIGN-1

APPROVED: *David J. Sears*
09183728E5741E
DATE: 4/7/2026



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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
903.30	BARRIER SIGN SUPPORT ASSEMBLY
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS(SHEET 2 OF 2)
910.30	SIGNING UNSIGNALIZED REDUCED CONFLICT INTERSECTION(SHEET 1 OF 2)
910.30	SIGNING SIGNALIZED REDUCED CONFLICT INTERSECTION(SHEET 2 OF 2)
910.50	SIGNING FOR SPEED REDUCTION ZONE
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

GENERAL NOTES

- . SIGNS FURNISHED BY STATE (BUNN PLANT)
- . 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.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1,551	L.F.
4079000000	903	SUPPORTS, BARRIER (SMALL)	1	EA.
4096000000	904	SIGN ERECTION, TYPE D	5	EA.
4102000000	904	SIGN ERECTION, TYPE E	52	EA.
4108000000	904	SIGN ERECTION, TYPE F	14	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D	2	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	42	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	2	EA.

INDEX

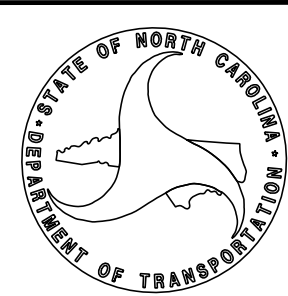
SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-3-3A	E AND F SHEETS
SIGN-4-4A	SIGN DESIGNS
SIGN-5-10	SIGNING DETAIL SHEETS

PROJECT NOTES

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

PLAN PREPARED FOR: NCDOT

Kelvin L. Jordan SIGNING & DELINEATION REGIONAL ENGINEER
Jose G. Martinez, PE SIGNING & DELINEATION DESIGN ENGINEER III



PLAN PREPARED BY: RK&K


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



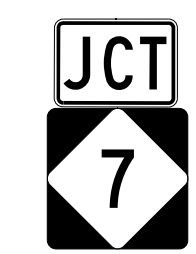
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PROJECT REFERENCE NO. B-6051/U-6143	SHEET NO. SIGN-3A
Approved by: <i>David T. Sears</i> 089183F28E5741E... DATE: 4/7/2026	
SEAL 	
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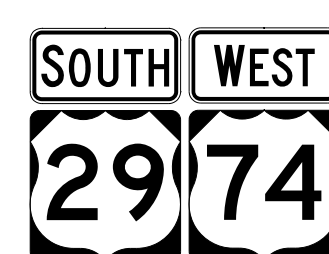
501 513



M2-1 21" X 15"
M1-5 24" X 24"

ONE "U" POST IN ONE INSTALLATION.
BARRIER MOUNTED IN ONE INSTALLATION.


502 514



M3-3 24" X 12"
M3-4 24" X 12"
M1-4 24" X 24"

TWO "U" POSTS PER ASSEMBLY


503



M3-1 24" X 12"
M3-2 24" X 12"
M1-4 24" X 24"
M1-4 24" X 24"
*U-TURN 21" X 21"
*U-TURN 21" X 21"

TWO "U" POSTS


504



M3-4 24" X 12"
M1-5 24" X 24"
M5-1(R) 21" X 15"

ONE "U" POST


505



M3-4 24" X 12"
M1-5 24" X 24"
M6-1 21" X 15"

ONE "U" POST


506



M3-4 24" X 12"
M1-5 24" X 24"

ONE "U" POST


507



M4-6 24" X 12"
M1-5 24" X 24"
M3-1 24" X 12"
M3-2 24" X 12"
M1-4 24" X 24"
M1-4 24" X 24"
M6-1 21" X 15"
M6-1 21" X 15"

TWO "U" POSTS


508



M4-5 24" X 12"
M4-5 24" X 12"
M3-3 24" X 12"
M3-4 24" X 12"
M1-4 24" X 24"
M1-4 24" X 24"
M6-1 21" X 15"
M6-1 21" X 15"

TWO "U" POSTS


509



M3-3 24" X 12"
M3-4 24" X 12"
M1-4 24" X 24"
M1-4 24" X 24"
*U-TURN 21" X 21"
*U-TURN 21" X 21"

TWO "U" POSTS

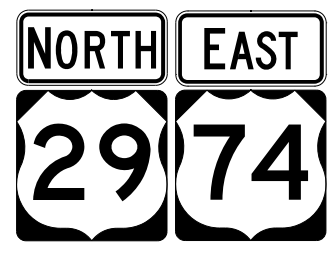
510



M3-4 24" X 12"
M1-5 24" X 24"
M6-1 21" X 15"

ONE "U" POST


511



M3-1 24" X 12"
M3-2 24" X 12"
M1-4 24" X 24"
M1-4 24" X 24"

TWO "U" POSTS

512



M3-4 24" X 12"
M1-5 24" X 24"
M5-1(L) 21" X 15"

ONE "U" POST

* SEE SHEET SIGN-4A FOR U-TURN SIGN DESIGN

9/5/2025 B6051_SIGN_E.F.dgn



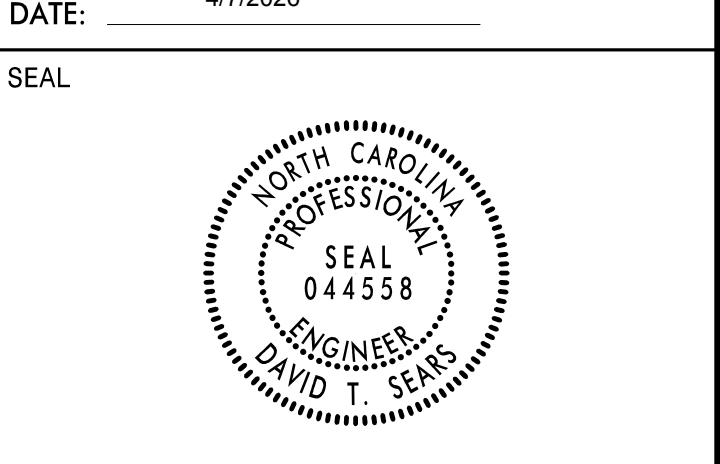
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TYPE "F" SIGNS

APPROVED: *David T. Sears*
 DATE: 4/7/2026



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SIGN NUMBER: 301 **BACKG COLOR:** Green **DESIGN BY:** A. TUTT **CHECKED BY:** A. TUTT **Jan 23, 2024**
TYPE: D **COPY COLOR:** White **PROJECT ID:** B-6051/U-6143 **LOCATION:** -L- STA. 32+00 **DIV:** 10,12

QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 6'-0" **HEIGHT:** 3'-0" **TOTAL AREA:** 18.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 4.5"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS: **LENGTH:**

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 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	54.9
EM 2000	47.7

FILENAME: B6051_SGN_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303 **BACKG COLOR:** Green **DESIGN BY:** A. TUTT **CHECKED BY:** D. SEARS **Aug 02, 2025**
TYPE: D **COPY COLOR:** White **PROJECT ID:** B-6051/U-6143 **LOCATION:** -L- STA. 40+42 **DIV:** 10,12

QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 6'-6" **HEIGHT:** 3'-6" **TOTAL AREA:** 22.8 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3.75"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS: **LENGTH:**

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.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
C 2000	29.4
C 2000	40
C 2000	17.6
C 2000	63.2

FILENAME: B6051_SGN_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302, 304 **BACKG COLOR:** Green **DESIGN BY:** A. TUTT **CHECKED BY:** D. SEARS **Sep 22, 2022**
TYPE: D **COPY COLOR:** White **PROJECT ID:** B-6051/U-6143 **LOCATION:** -L- STA. 40+41, 52+46 **DIV:** 10,12

QUANTITY: 2

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 4'-0" **HEIGHT:** 2'-0" **TOTAL AREA:** 8.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS: **LENGTH:**

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 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	35.8
D 2000	21.2

FILENAME: B6051_SGN_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 305 **BACKG COLOR:** Green **DESIGN BY:** A. TUTT **CHECKED BY:** D. SEARS **Aug 02, 2025**
TYPE: D **COPY COLOR:** White **PROJECT ID:** B-6051/U-6143 **LOCATION:** -L- STA. 52+59 **DIV:** 10,12

QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 6'-6" **HEIGHT:** 3'-6" **TOTAL AREA:** 22.8 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3.75"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS: **LENGTH:**

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.


Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
C 2000	29.4
C 2000	63.2
C 2000	17.6
C 2000	40

FILENAME: B6051_SGN_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

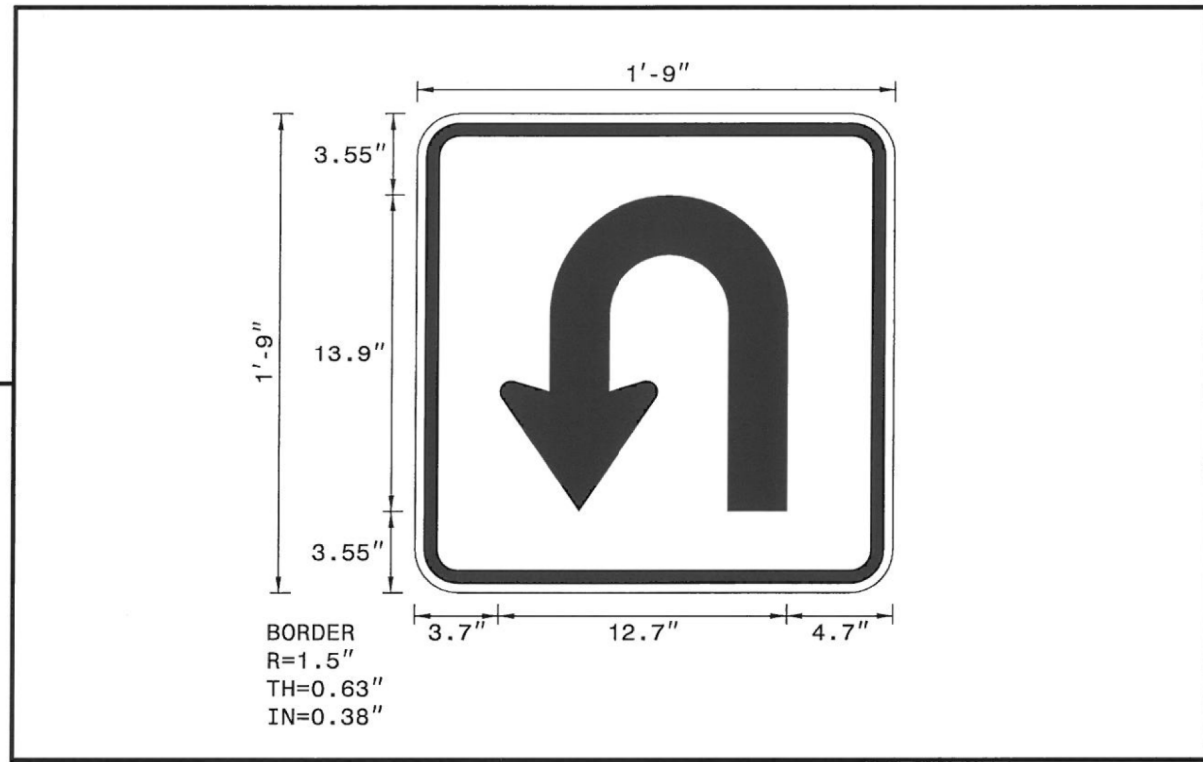
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APPROVED: <i>David T. Seab</i> <small>DocuSigned by: 089183F28E5741E...</small>	
DATE: 4/7/2026	
SEAL	
	
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SIGN NUMR: 503, 509 TYPE: F Ground QUANTITY: 4 SIGN WIDTH: 1'-9" HEIGHT: 1'-9" TOTAL AREA: 3.1 Sq.Ft. MAT'L: 0.063" ALUMINUM BORDER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG. COLOR: White COPY COLOR: Black DESIGN BY: PROJECT ID: CHK BY: DIV: STD #: DATE:	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY & SAFETY SIGNING & DELINEATION UNIT
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SYMBOL	X	Y	WID	HT
u arrow	3.7	3.5	12.7	13.9

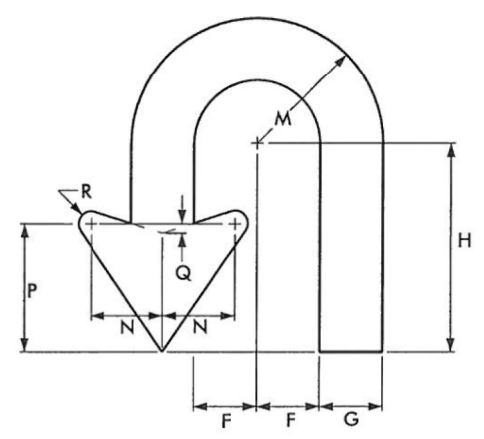
NOTES:

- Legend and border shall be direct applied Non-reflective sheeting.
- Background shall be Grade C reflective sheeting.



BORDER
R=1.5"
TH=0.63"
IN=0.38"

Arrow Details



ARROW DIMENSIONS (INCHES)	F	G	H	M	N	P	Q	R
	2.625	2.625	8.659	5.25	3	5.25	0.375	0.5

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

08/05/26 Clear Creek Designs - psh.dgn

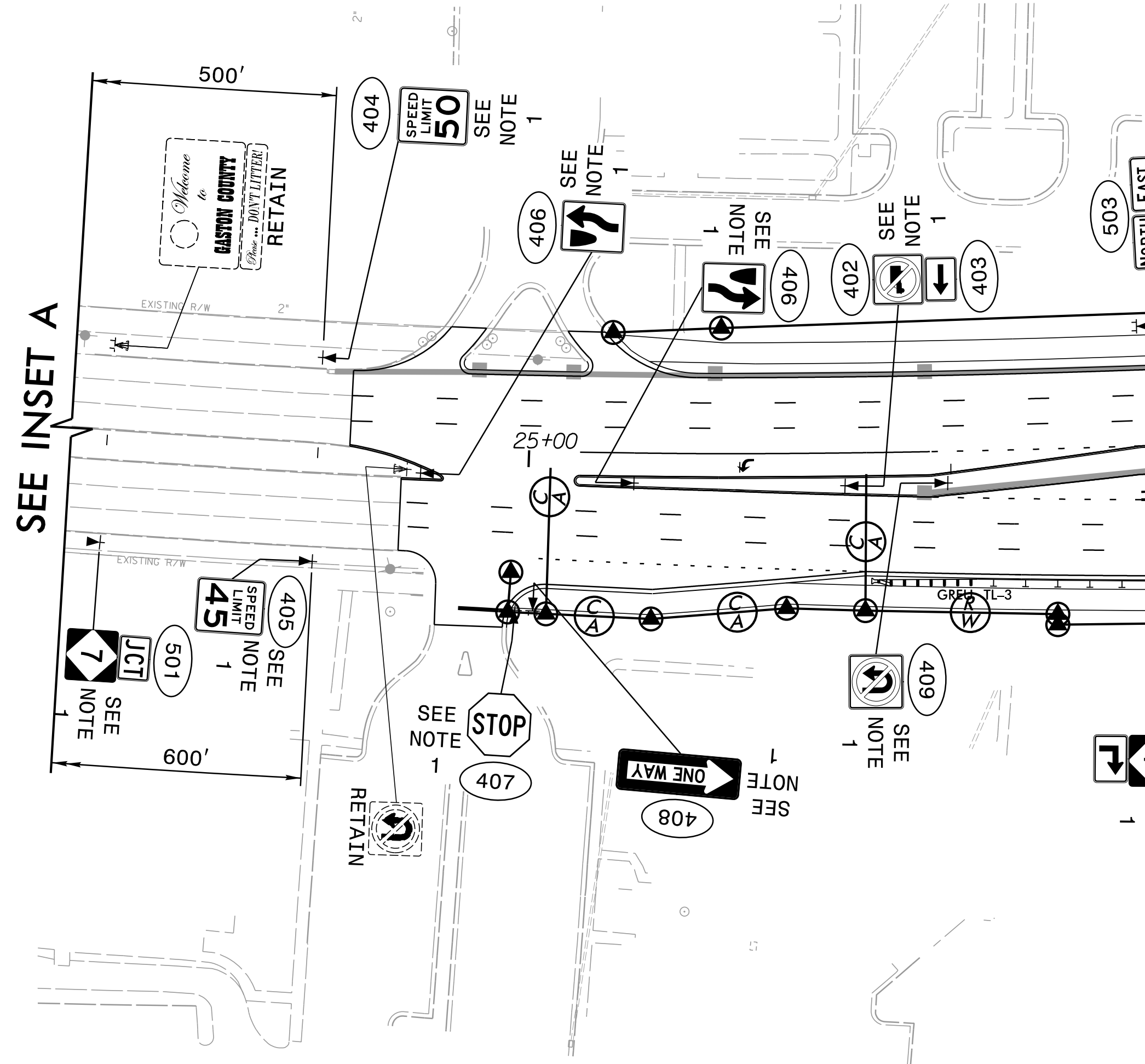
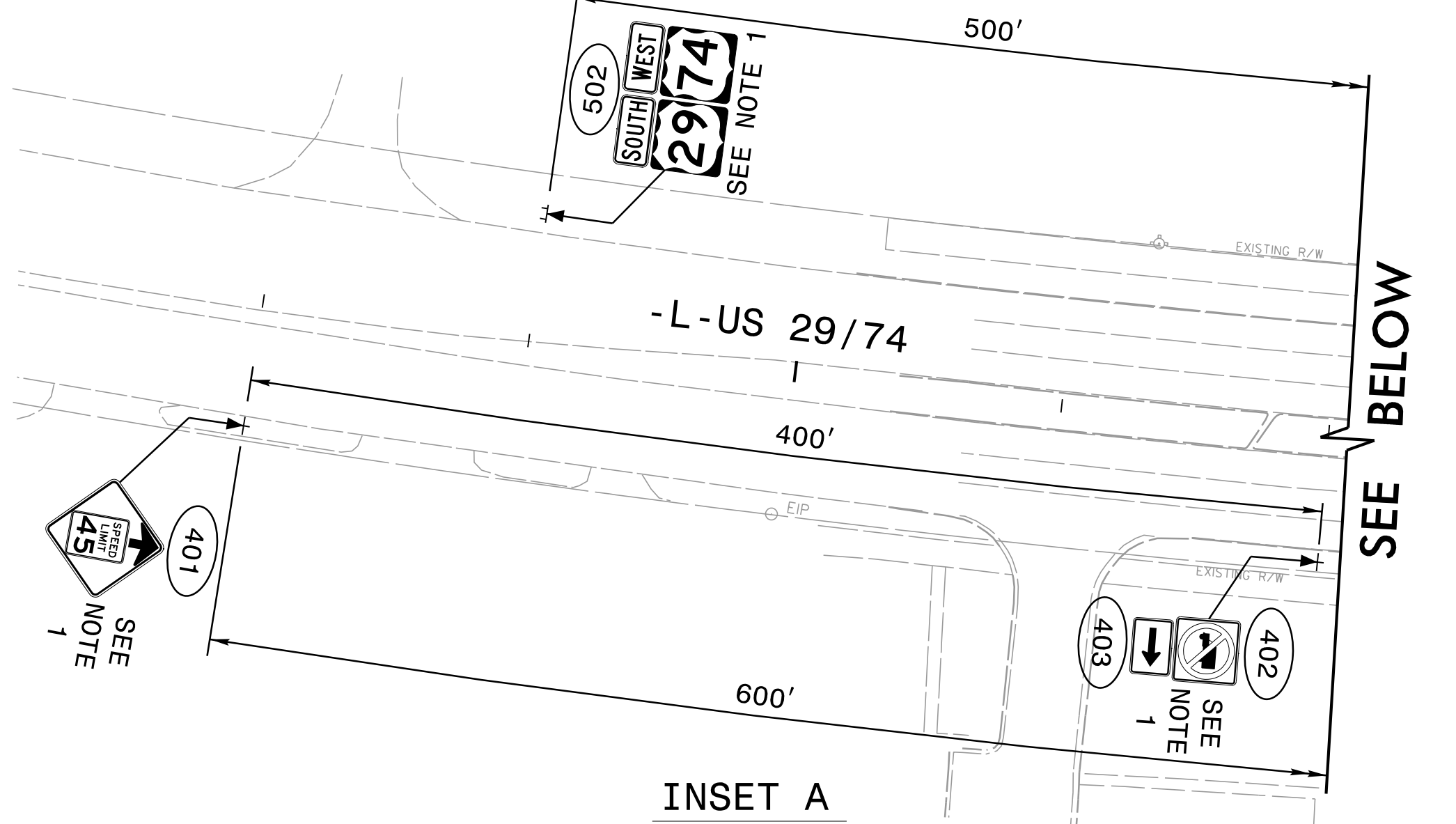
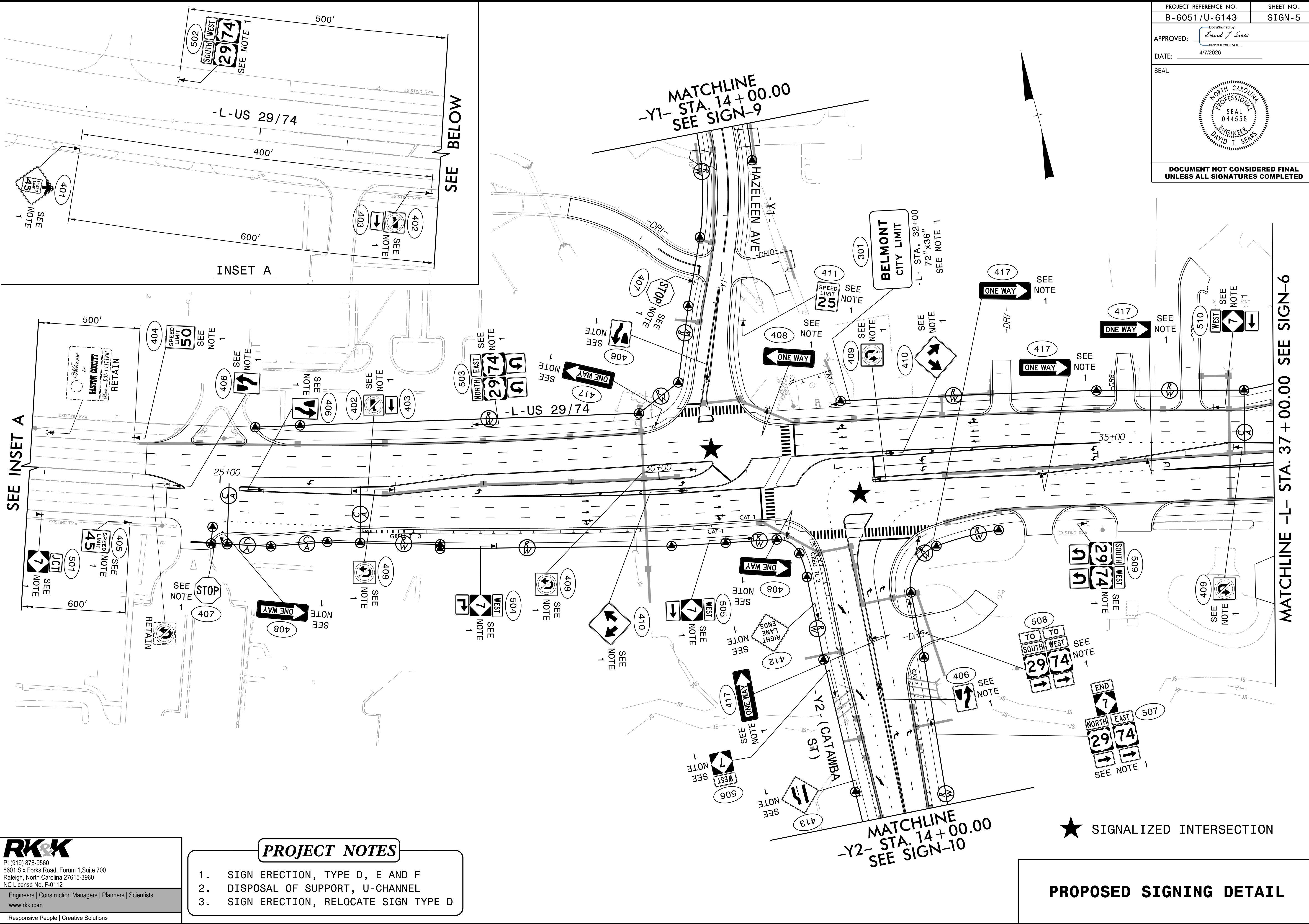


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SIGN DESIGNS




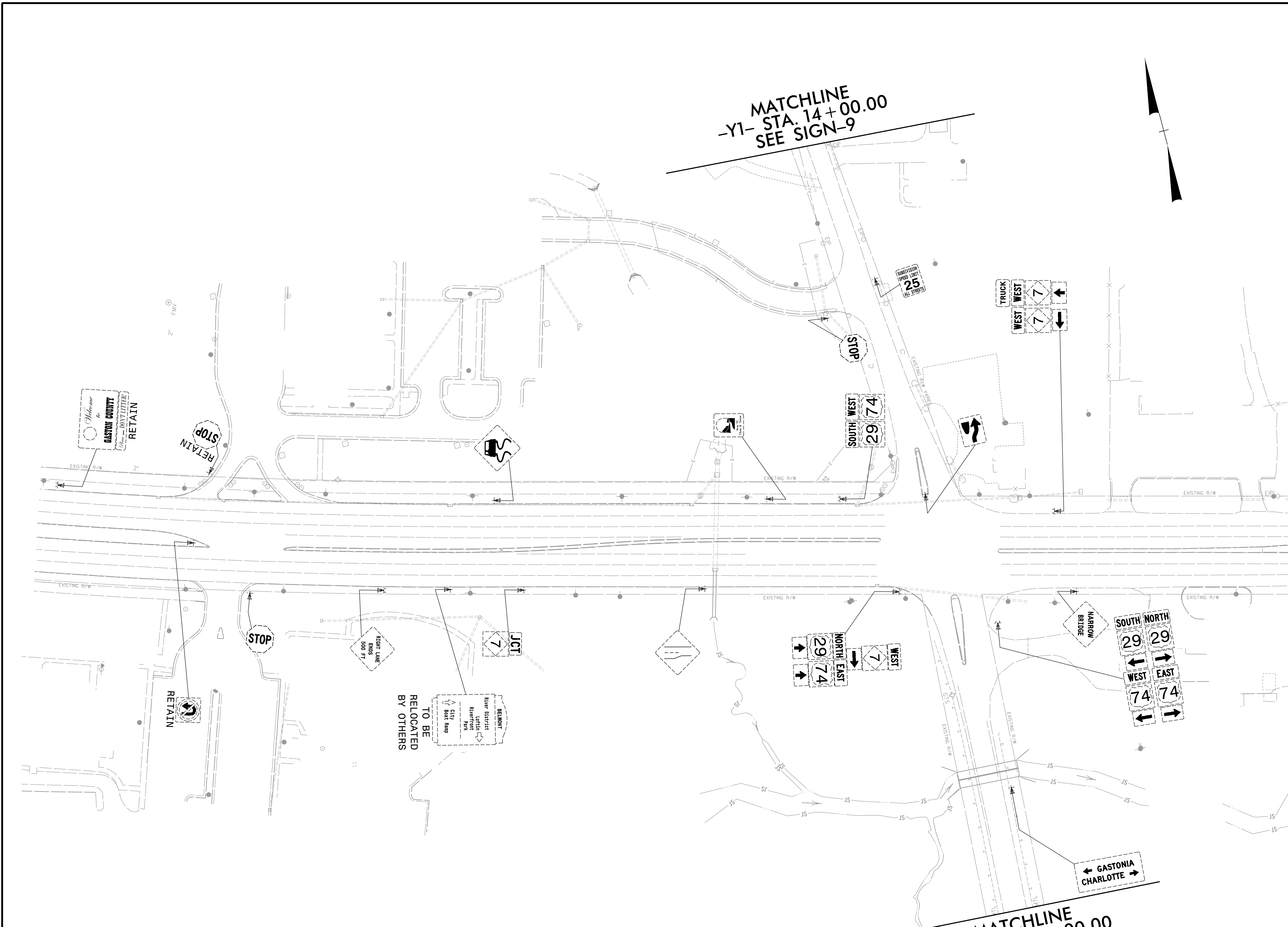
PROJECT NOTES

- SIGN ERECTION, TYPE D, E AND F
- DISPOSAL OF SUPPORT, U-CHANNEL
- SIGN ERECTION, RELOCATE SIGN TYPE D

★ SIGNALIZED INTERSECTION

PROPOSED SIGNING DETAIL

PROJECT REFERENCE NO. B-6051/U-6143	SHEET NO. SIGN-5A
Drawn by: <i>David T. Sears</i> APPROVED: <i>David T. Sears</i> <small>08183F28E5741E</small>	
DATE: 4/7/2026	
SEAL	
	
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MATCHLINE -L- STA. 37 + 00.00 SEE SIGN-6A

PROJECT NOTES

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

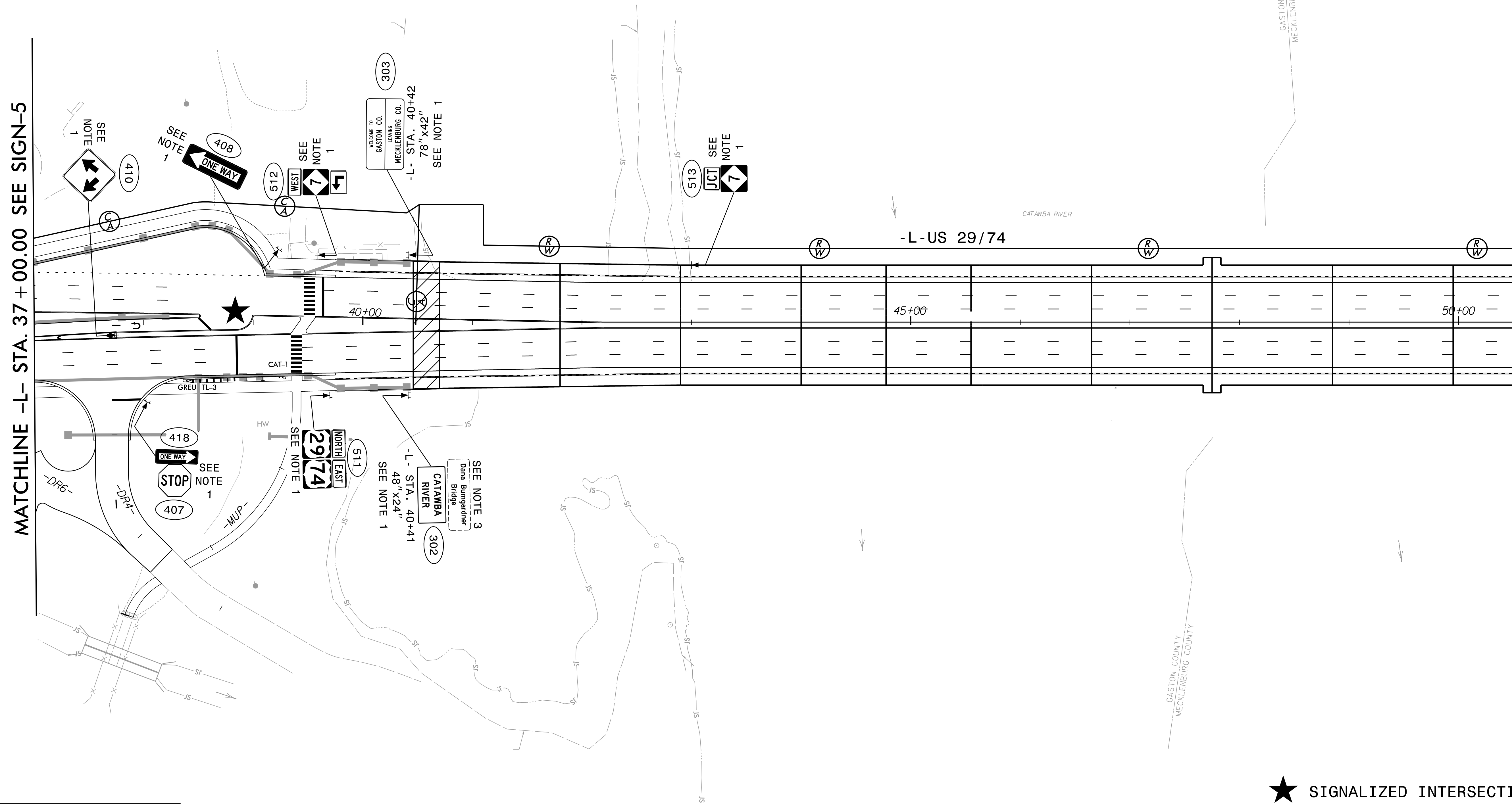
EXISTING SIGNING DETAIL

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MATCHLINE -L- STA. 37 + 00.00 SEE SIGN-5

MATCHLINE -L- STA. 50 + 50.00 SEE SIGN-7


★ SIGNALIZED INTERSECTION

PROJECT NOTES

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

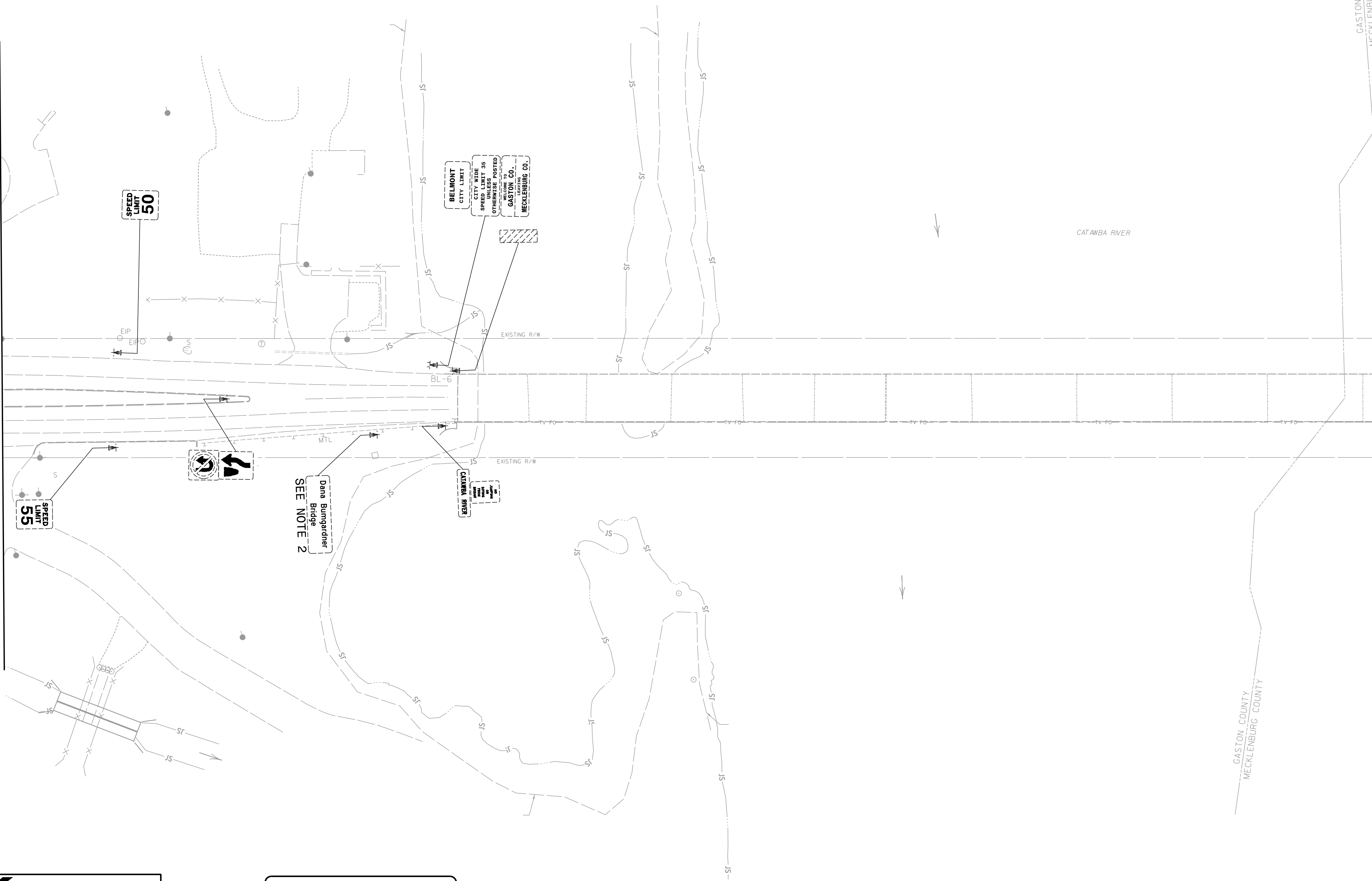
PROPOSED SIGNING DETAIL

09.05.25
 B-6051-U-6143-PSH06.dgn
 Clear

PROJECT REFERENCE NO. B-6051/U-6143	SHEET NO. SIGN-6A
Approved by: <i>David T. Sears</i> 08183F28E5741E... DATE: 4/7/2026	
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MATCHLINE -L- STA. 37 + 00.00 SEE SIGN-5A

MATCHLINE -L- STA. 50 + 50.00 SEE SIGN-7A



PROJECT NOTES

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

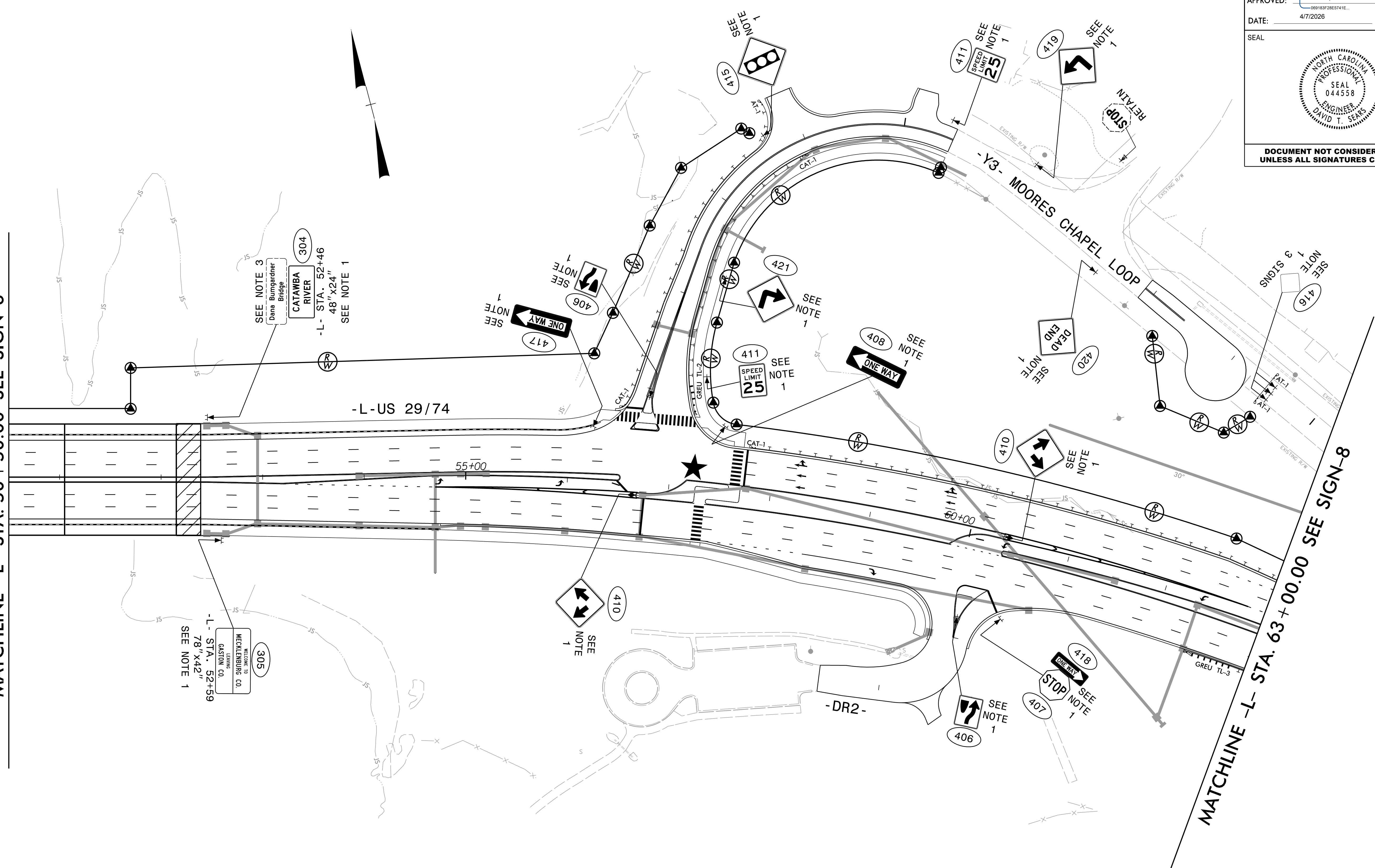
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MATCHLINE -L- STA. 50 + 50.00 SEE SIGN-6




★ SIGNALIZED INTERSECTION

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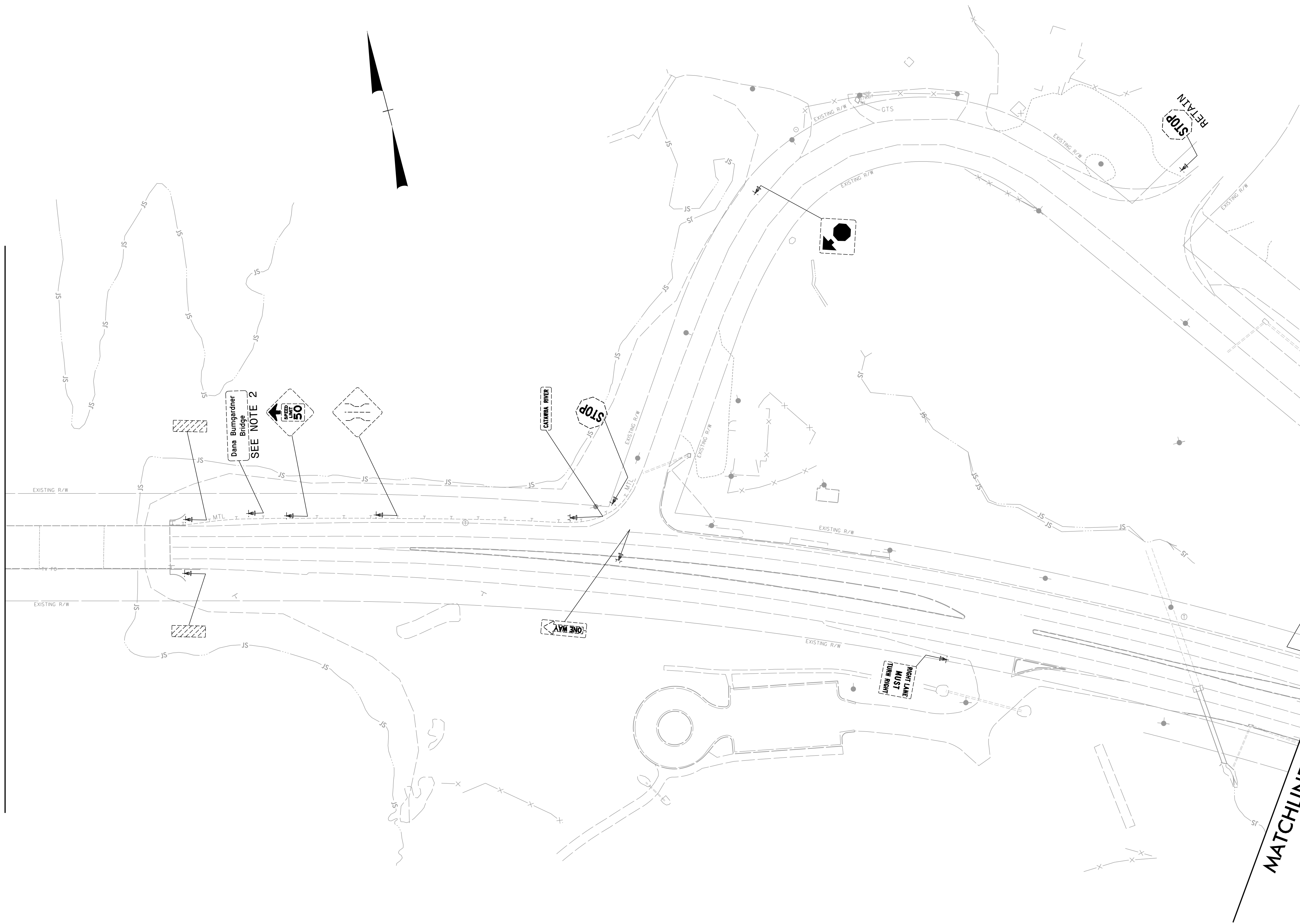
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DATE: 4/7/2026	
SEAL	
	
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MATCHLINE -L- STA. 50 + 50.00 SEE SIGN-6A

MATCHLINE -L- STA. 63 + 00.00 SEE SIGN-8



PROJECT NOTES

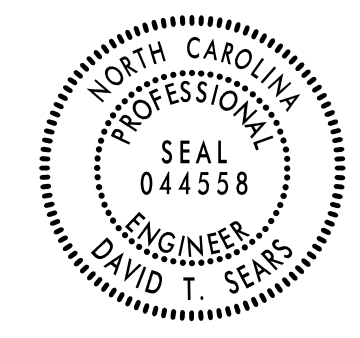
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2. DISPOSAL OF SUPPORT, U-CHANNEL
3. SIGN ERECTION, RELOCATE SIGN TYPE D

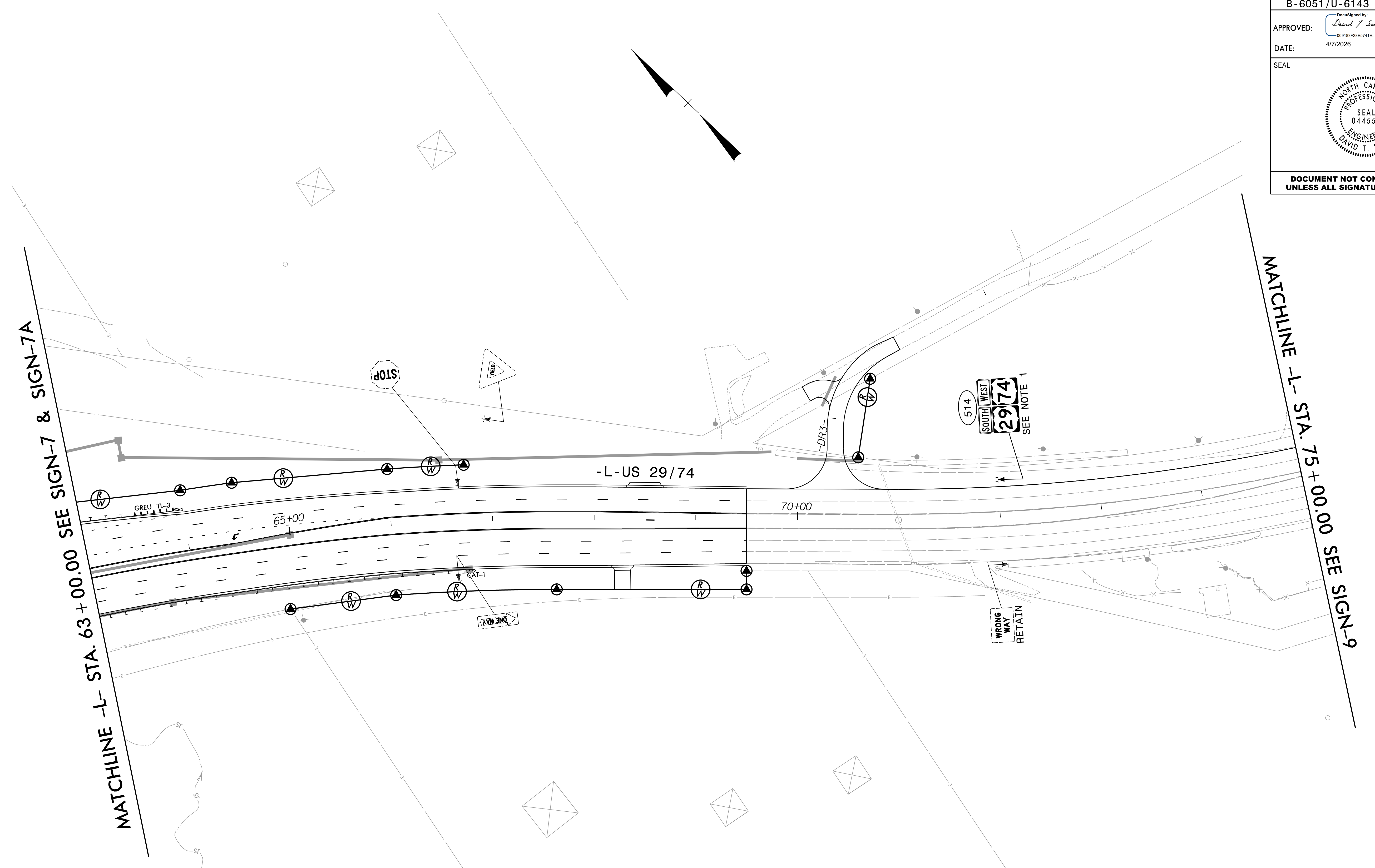
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PROJECT NOTES

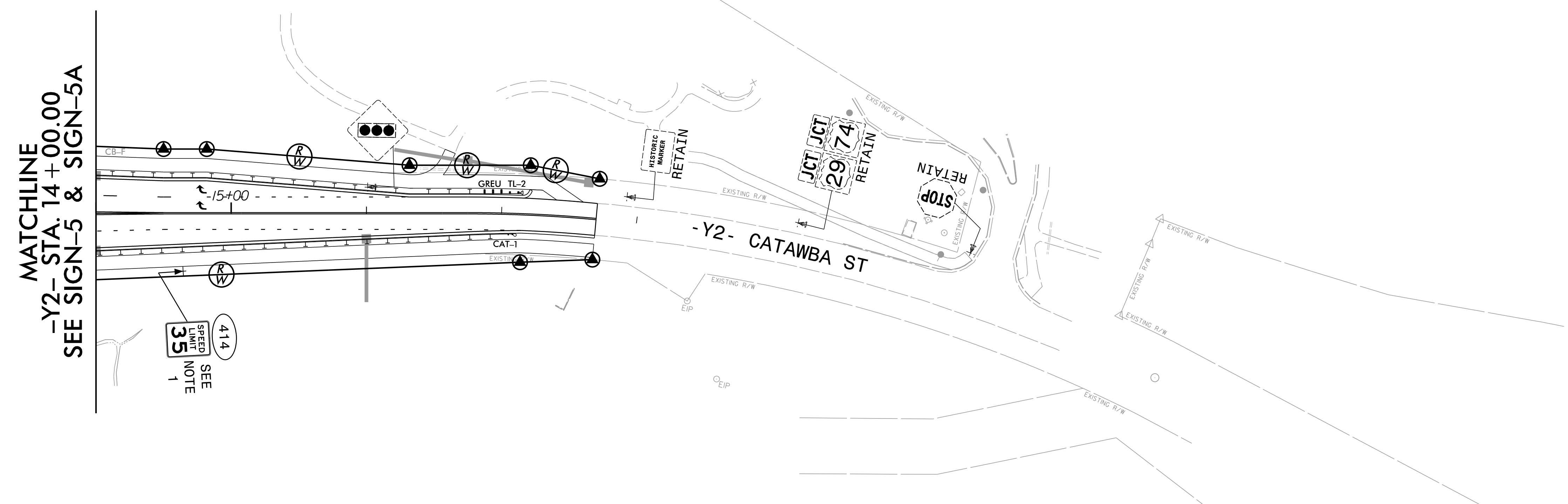
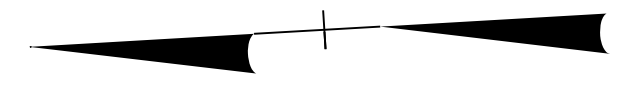
1. SIGN ERECTION, TYPE D, E AND F
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SIGNING DETAIL

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DocuSigned by: <i>David T. Seab</i> 089183F28E5741E...	
APPROVED:	
DATE: 4/7/2026	
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2. DISPOSAL OF SUPPORT, U-CHANNEL
3. SIGN ERECTION, RELOCATE SIGN TYPE D

SIGNING DETAIL

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 4/7/2026 10:00 AM
 David T. Seab