

5/8/2025
R:\2018\SE18.184.00_R-5857_Superstreet US17_US17 Business\TPV\Traffic\Signing\SIGN-1.dgn
Bauman

TIP PROJECT: R-5857

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BRUNSWICK COUNTY

LOCATION: US 17 AT US 17 BUSINESS SOUTH AND NORTH
OF SHALLOTTE. CONVERT INTERSECTIONS
TO SUPERSTREETS

PROJECT NOTES

- 1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2. DISPOSAL OF SIGN SYSTEM, STEEL BEAM

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.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . 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.

PLAN PREPARED BY: SEPI INC.

TRAFFIC DESIGNER

John Bauman, P.E. TRAFFIC PROJECT MANAGER

TRANSYSTEMS

1 Glenwood Avenue
Raleigh, NC 27603
Tel: 919.789.9977
Fax: 919.789.9591
License: F-0453

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2-2A	SIGN DESIGNS
SIGN-2B	SUPPORT CHART
SIGN-3-3A	TYPE E, MILE MARKER, AND F SIGNS
SIGN-4-7	EXISTING SIGNS
SIGN-8-11	PROPOSED SIGNS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	1	CY
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	297	LB
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	2030	LF
4078000000	903	SUPPORTS, 2 LB STEEL U-CHANNEL	4	EA
4096000000	904	SIGN ERECTION, TYPE D	6	EA
4102000000	904	SIGN ERECTION, TYPE E	83	EA
4108000000	904	SIGN ERECTION, TYPE F	11	EA
4114000000	904	SIGN ERECTION, MILEMARKERS	4	EA
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	2	EA
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	72	EA

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
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.40	MILEPOST AND PLACEMENT
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
910.30	SIGNING SIGNALIZED AND UNSIGNALIZED SUPERSTREET

PROJECT NO.	SHEET NO.
R-5857	SIGN-1
DocuSigned by: <i>John Bauman</i>	
APPROVED: 7F7F5B4C3784D7...	
DATE: 5/8/2025	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

TIP NO.
R - 5857

SHEET NO.
SIGN - 2B

APPROVED:

DocuSigned by:

Steve Miller

W529C15CEE8486...

DATE: 3/1/2025

SEAL

SEAL

037026

ENGINEER

STEVEN D. MILLER

DOCUMENT NOT CONSIDERED FINAL

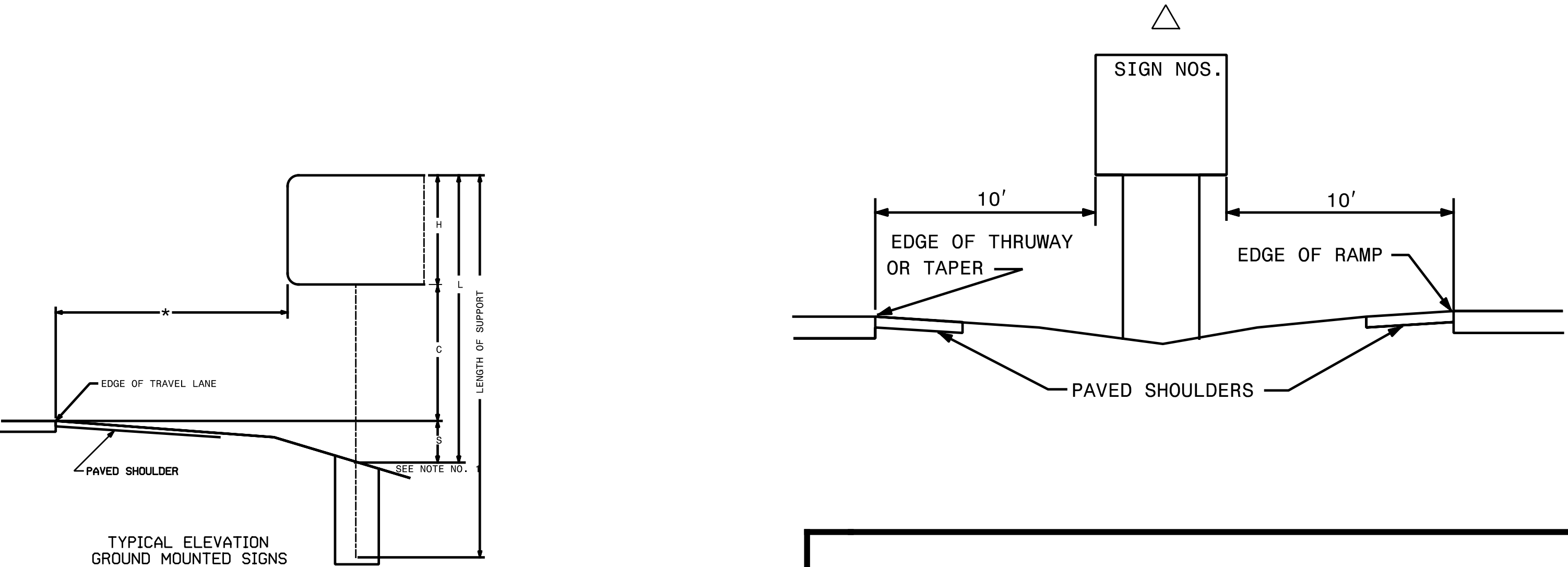
UNLESS ALL SIGNATURES COMPLETED

Version: 3.1 Posted: 6/2/2017

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.)												DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)												PLAIN (c.y.)				
		w	x	h																												
303	D	114	x	30	20+67	2	S3x5.7	BA	YES	N/A	N/A	20.00	5.57	2.50	7.00	0.0	4.00	13.50	13.50	0.00	0.00	0.00	3.00	12.50	12.50	148.20	0	1.5	2.5	0.33	0.00	
306	D	114	x	30	47+25	2	S3x5.7	BA	YES	N/A	N/A	10.00	5.57	2.50	7.00	0.0	4.00	13.50	13.50	0.00	0.00	0.00	3.00	12.50	12.50	148.20	0	1.5	2.5	0.33	0.00	
																								TOTAL	TOTAL							
																								296.40	0.00							
																								USE:	297.00	0.00						

NOTES

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



SUPPORT CHART

3/1/2025 3:20:18 PM S:\E18184.00_R-5857 Superstreet US17_US17 Business\TP\Traffic\Signing\SIGN-2B.dgn

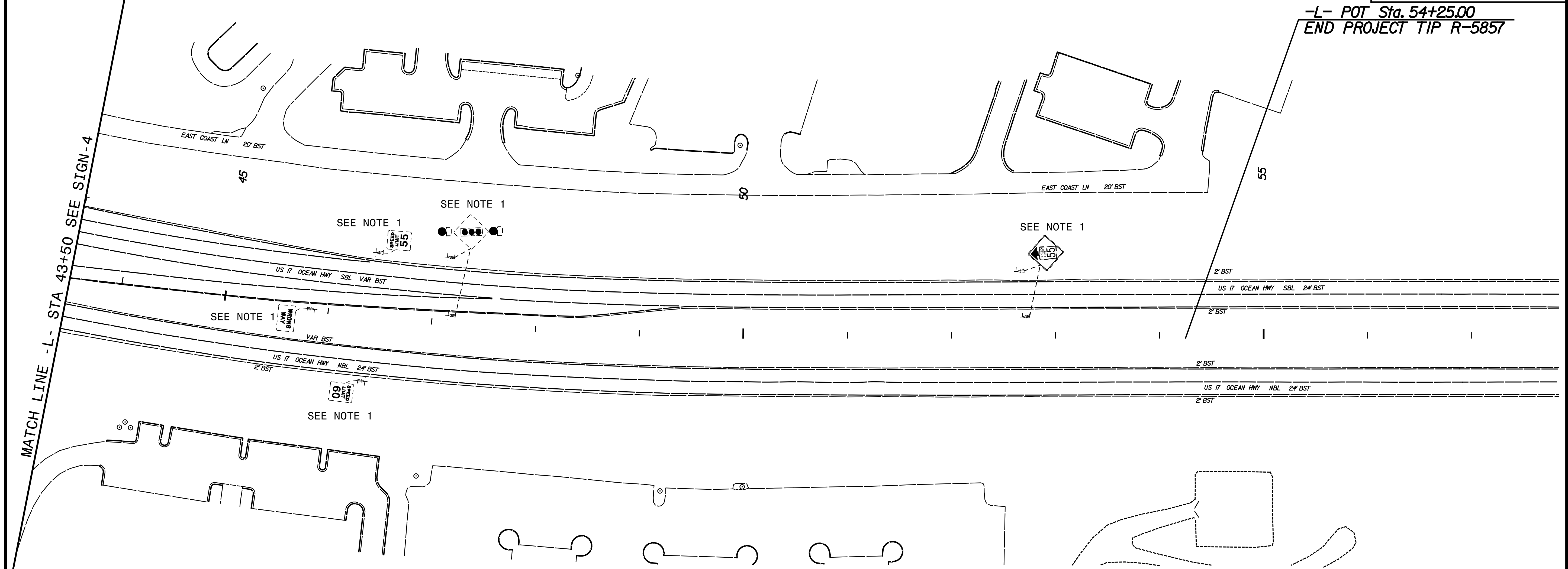
3/1/2025 3:20:18 PM \\SE18184.00_R-5857_Superstreet_US17_US17_Business\TPA\Traffic\Signing\SIGN-3_Type E.dgn

401 QUANTITY REQ'D .8_ ONE "U" POST PER SIGN	406 QUANTITY REQ'D .1_ ONE "U" POST PER SIGN	411 QUANTITY REQ'D .4_ ONE "U" POST PER SIGN	416 QUANTITY REQ'D .2_ ONE "U" POST PER SIGN	421 QUANTITY REQ'D .1_ ONE "U" POST PER SIGN	425 QUANTITY REQ'D .1_ ONE "U" POST PER SIGN	TIP NO. R-5857 SHEET NO. SIGN-3 DocuSigned by: Steve Miller 3/1/2025 APPROVED: 3/1/2025 DATE: 3/1/2025 SEAL DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
402 QUANTITY REQ'D .8_ TWO "U" POSTS PER SIGN	407 QUANTITY REQ'D .4_ MOUNT ABOVE SIGN 408 IN 4 INSTALLATION	412 QUANTITY REQ'D .1_ ONE "U" POST PER SIGN	417 QUANTITY REQ'D .1_ TWO "U" POST PER SIGN	422 QUANTITY REQ'D .1_ ONE "U" POST PER SIGN	426 QUANTITY REQ'D .4_ ONE "U" POST PER SIGN	307 QUANTITY REQ'D .2_ ONE "U" POST PER SIGN
403 QUANTITY REQ'D .8_ ONE "U" POST PER SIGN	408 QUANTITY REQ'D .10_ ONE "U" POST PER SIGN	413 QUANTITY REQ'D .3_ TWO "U" POST PER SIGN	418 QUANTITY REQ'D .1_ ONE "U" POSTS PER SIGN	423 QUANTITY REQ'D .2_ ONE "U" POST PER SIGN		308 QUANTITY REQ'D .2_ ONE "U" POST PER SIGN
404 QUANTITY REQ'D .4_ ONE "U" POST PER SIGN	409 QUANTITY REQ'D .6_ ONE "U" POST PER SIGN	414 QUANTITY REQ'D .1_ ONE "U" POST PER SIGN	419 QUANTITY REQ'D .1_ MOUNTED BELOW SIGN 418 IN 1 LOCATION	424 QUANTITY REQ'D .1_ ONE "U" POST PER SIGN		
405 QUANTITY REQ'D .5_ ONE "U" POST PER SIGN	410 QUANTITY REQ'D .6_ MOUNTED BELOW SIGN 409 IN 1 LOCATION	415 QUANTITY REQ'D .1_ ONE "U" POST PER SIGN	420 QUANTITY REQ'D .1_ ONE "U" POST PER SIGN	TRANSYSTEMS 1 Glenwood Avenue Raleigh, NC 27603 Tel:919.789.9977 Fax:919.789.9591 License: F-0453 TYPE "E" SIGNS AND MILE MARKERS		

3/1/2025 3:20:18 PM SE18.184.00_R-5857 Superstreet US17_US17_Business\TPA\Traffic\Signing\SIGN-3A_Type_F.dgn

501510 SOUTH 17 1 - 30" X 15" 1 - 36" X 36" ONE "U" POST PER SIGN		506512 SOUTH 17 ↶ 1 - 30" X 15" 1 - 36" X 36" 1 - 30" X 21" ONE "U" POST PER SIGN		515 BUSINESS 17 ↶ 1 - 30" X 15" 1 - 36" X 36" 1 - 30" X 21" ONE "U" POST PER SIGN					TIP NO. R-5857 SHEET NO. SIGN-3A APPROVED: DocuSigned by: Steve Miller W52C9C15CEE8486... DATE: 3/1/2025 SEAL NORTH CAROLINA PROFESSIONAL SEAL 037026 ENGINEER STEVEN D. MILLER DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
502 BUSINESS NORTH 17 ➡ 1 - 30" X 15" 1 - 30" X 15" 1 - 36" X 36" 1 - 21" X 15" ONE "U" POST PER SIGN		507513 NORTH 17 1 - 30" X 15" 1 - 36" X 36" ONE "U" POST PER SIGN							
503511 NORTH 17 ↶ 1 - 30" X 15" 1 - 36" X 36" 1 - 30" X 21" ONE "U" POST PER SIGN		508 BUSINESS 17 1 - 30" X 15" 1 - 36" X 36" ONE "U" POST PER SIGN							
504 BUSINESS NORTH 17 1 - 30" X 15" 1 - 30" X 15" 1 - 36" X 36" ONE "U" POST PER SIGN		509 BUSINESS SOUTH 17 17 ↶ ↗ 2 - 30" X 15" 2 - 36" X 36" 2 - 21" X 15" TWO "U" POST PER SIGN ASSEMBLY							
505 NORTH 17 ➡ 1 - 30" X 15" 1 - 36" X 36" 1 - 21" X 15" ONE "U" POST PER SIGN		514 NORTH BUSINESS 17 17 ↗ ➡ 2 - 30" X 15" 2 - 36" X 36" 2 - 21" X 15" TWO "U" POST PER SIGN ASSEMBLY				TRANSYSTEMS 1 Glenwood Avenue Raleigh, NC 27603 Tel:919.789.9977 Fax:919.789.9591 License: F-0453 TYPE "F" SIGNS			

TIP NO.	SHEET NO.
R-5857	SIGN-5
APPROVED: DocuSigned by: <i>John Bauman</i> 7FFD5B4C378AD1...	
DATE: 5/8/2025	
SEAL	
SEAL 052428 ENGINEER JOHN BAUMAN	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL

TRANSYSTEMS

1 Glenwood Avenue
Raleigh, NC 27603
Tel: 919.789.9977
Fax: 919.789.9591
License: F-0453

EXISTING SIGNS

TIP NO.
R-5857

SHEET NO.
SIGN-6

APPROVED:

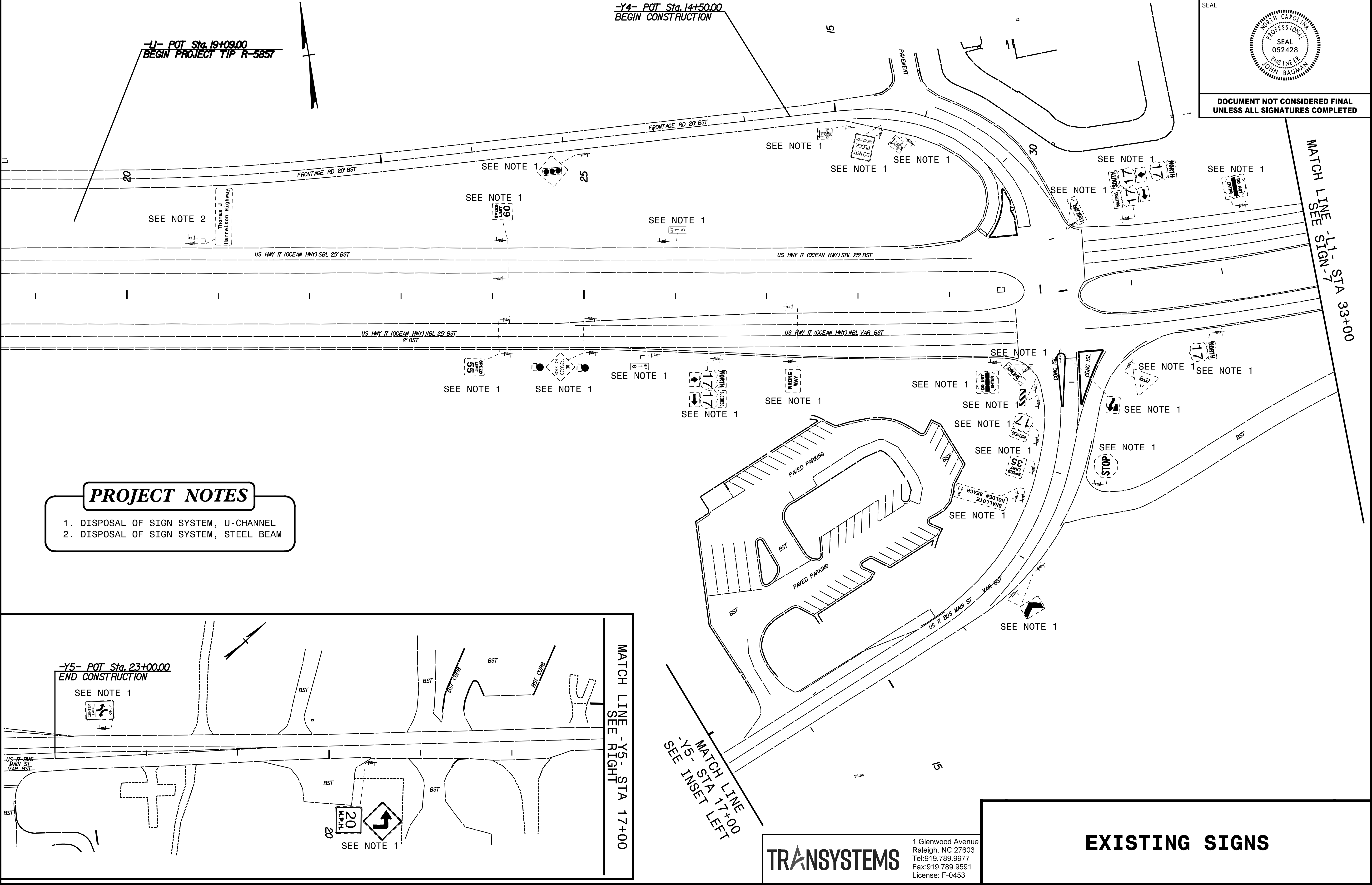
DocuSigned by:
John Bauman
77F05B4C3784D1...

DATE: 5/8/2025

SEAL

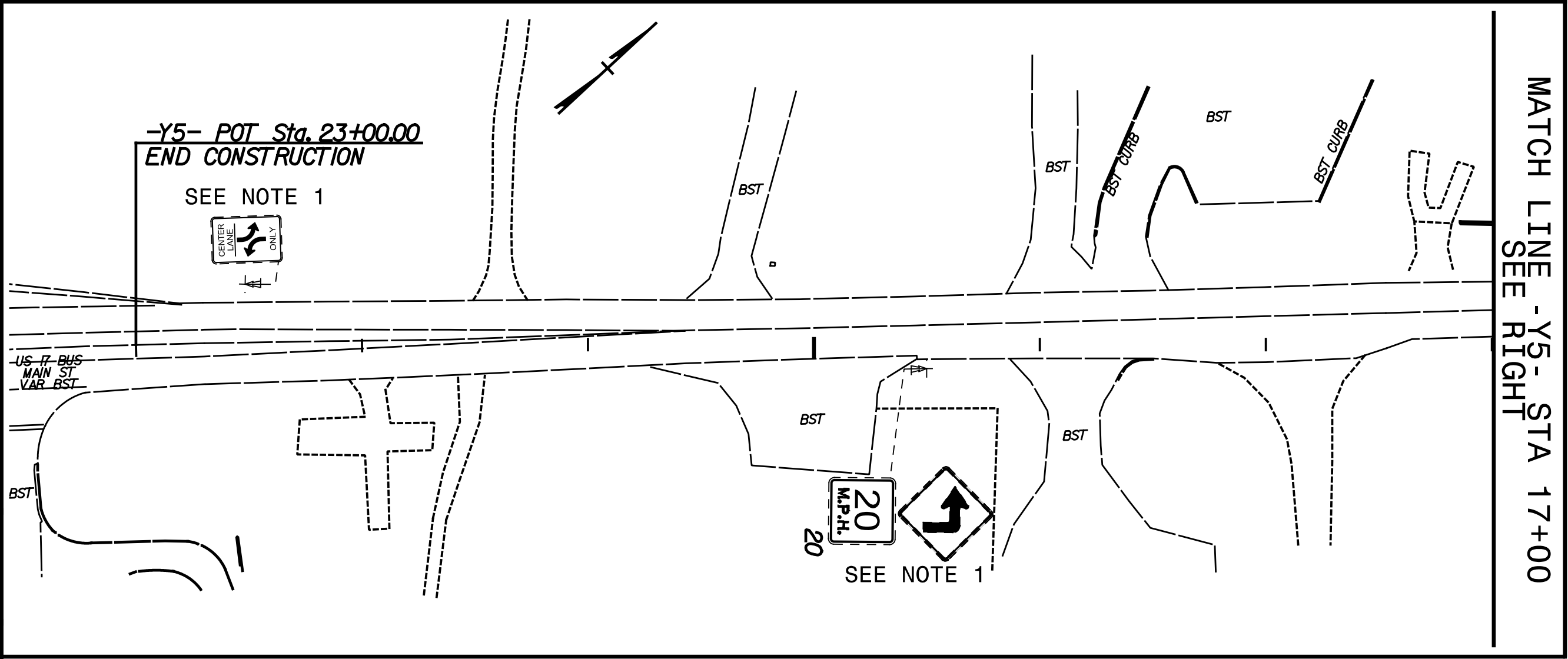
NORTH CAROLINA
PROFESSIONAL
SEAL
052428
ENGINEER
JOHN BAUMAN

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. DISPOSAL OF SIGN SYSTEM, STEEL BEAM



TRANSYSTEMS

1 Glenwood Avenue
Raleigh, NC 27603
Tel: 919.789.9977
Fax: 919.789.9591
License: F-0453

EXISTING SIGNS

TIP NO.
R-5857

SHEET NO.
SIGN-8

APPROVED:

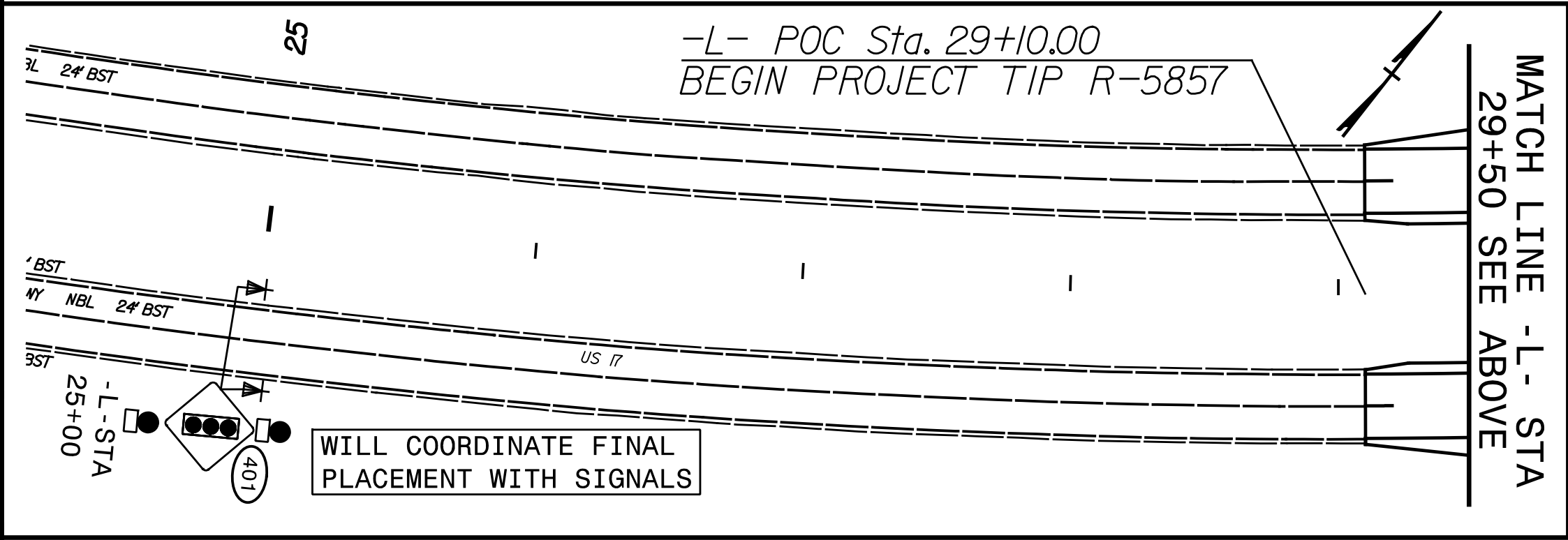
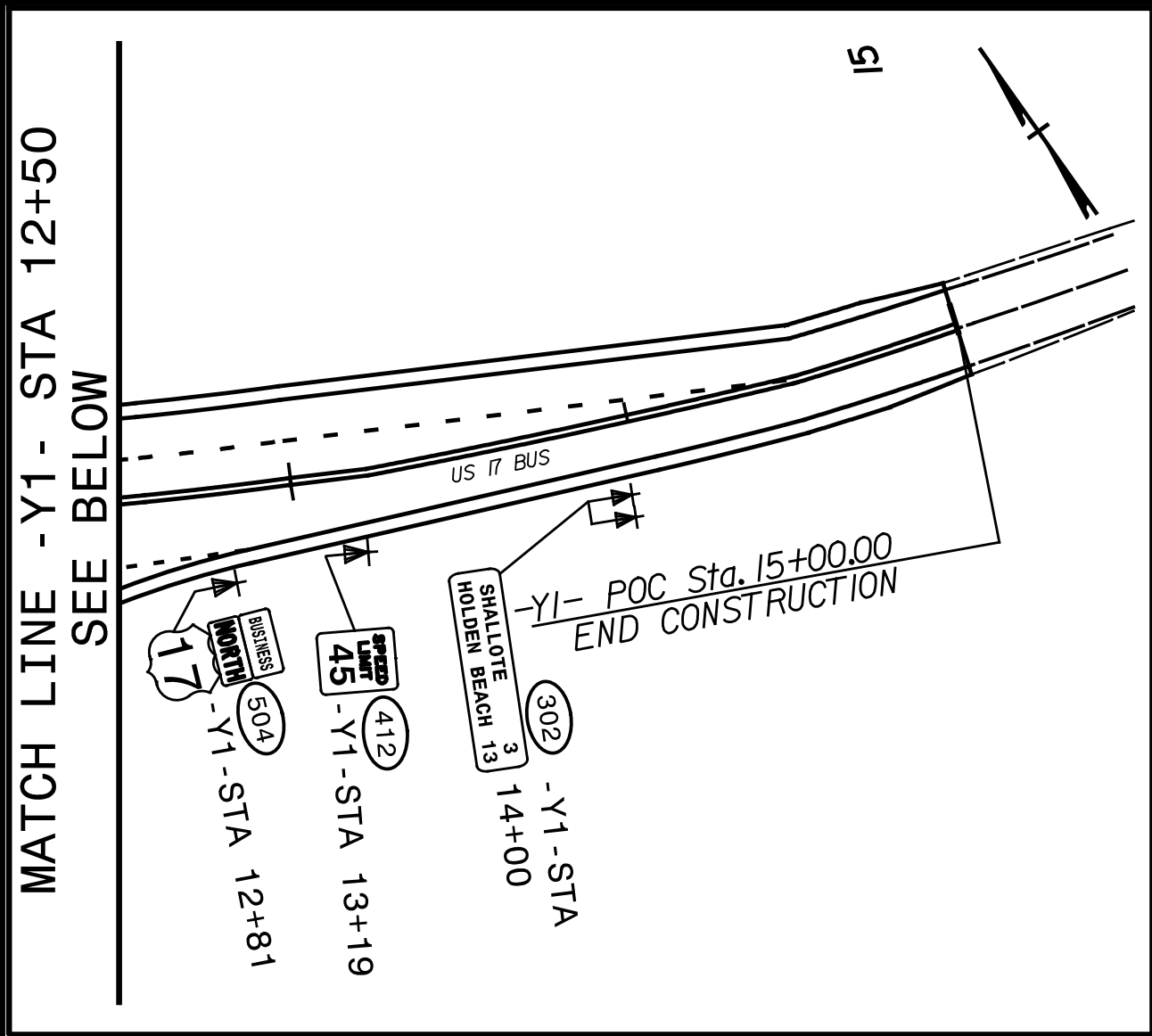
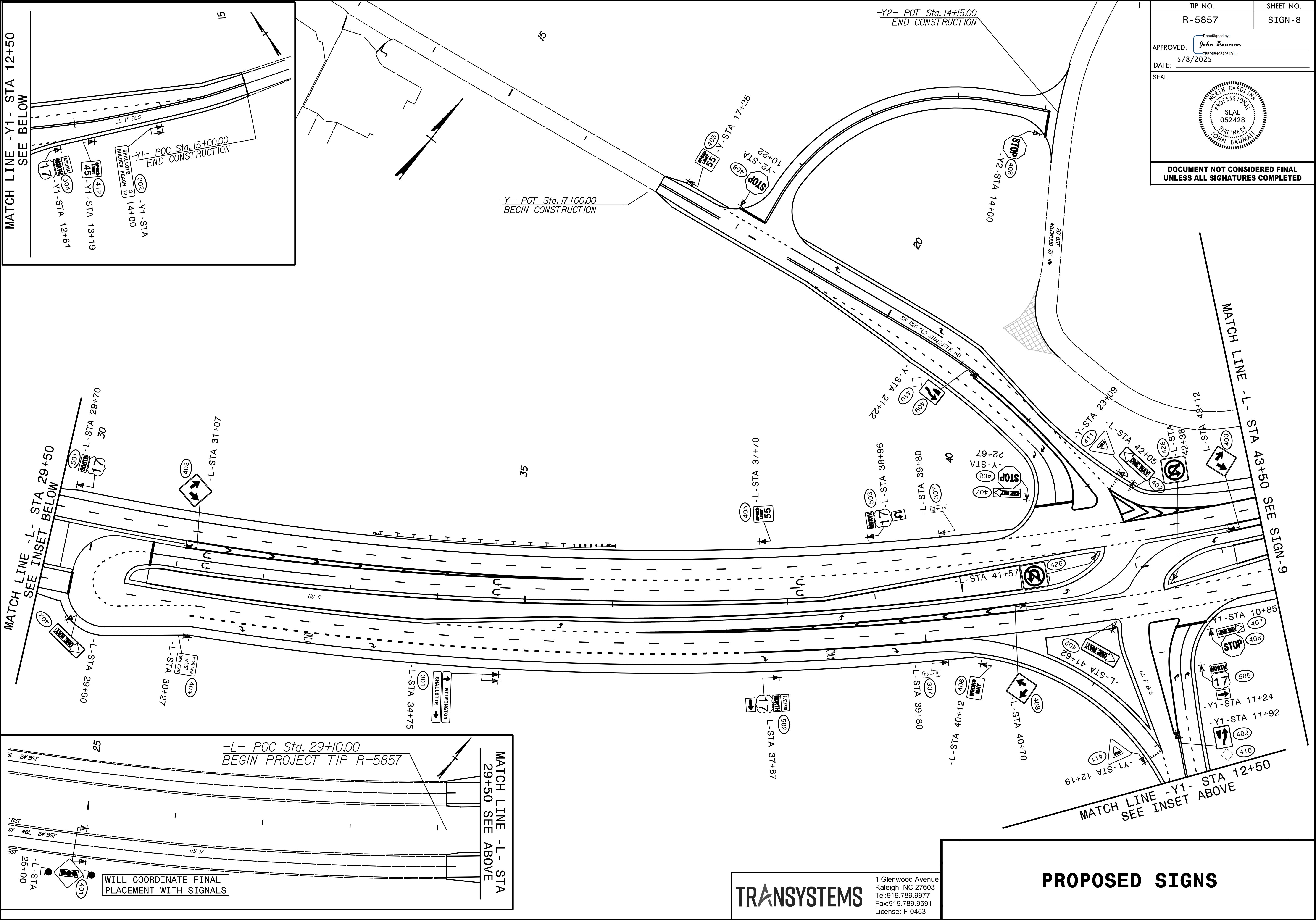
DocuSigned by:
John Bauman
7FFD5B4C3784D1...

DATE: 5/8/2025

SEAL

NORTH CAROLINA
PROFESSIONAL
ENGINEER
JOHN BAUMAN
SEAL
052428

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



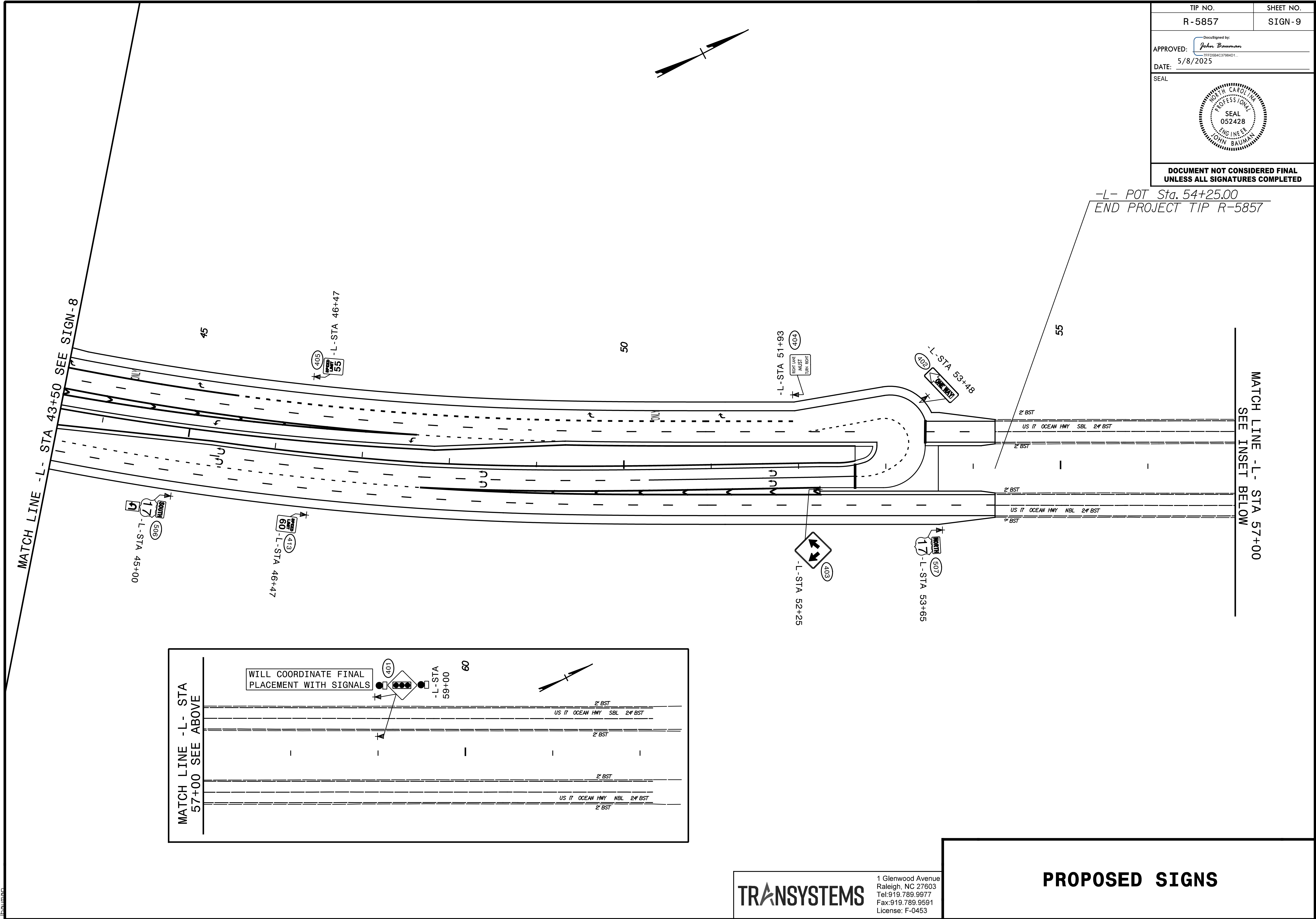
TRANSYSTEMS

1 Glenwood Avenue
Raleigh, NC 27603
Tel: 919.789.9977
Fax: 919.789.9591
License: F-0453

PROPOSED SIGNS

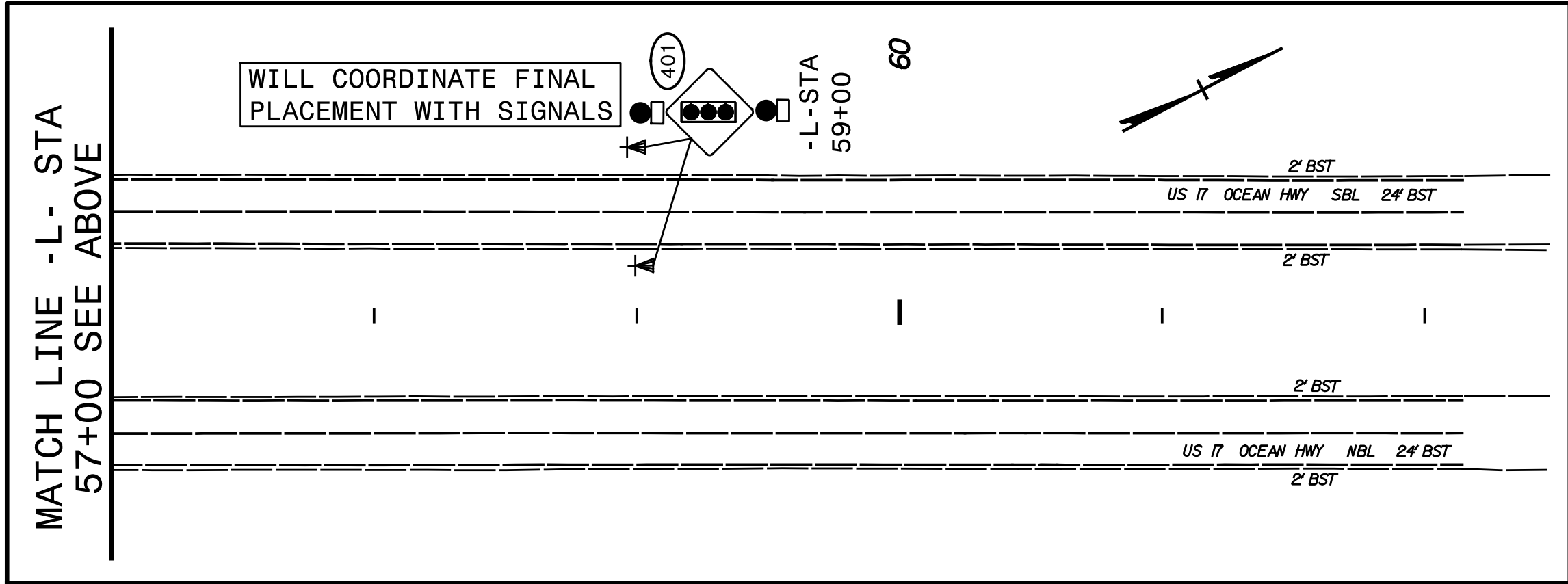
5/8/2025 10:08:18 AM E:\184.00_R-5857 Superstreet US17_US17 Business\TPA\Traffic\Signing\SIGN-8.dgn

5/8/2025 10:08:58 E:\184\00_R-5857 Superstreet US17_US17 Business\TP\Traffic\Signing\SIGN-9.dgn
John Bauman



TIP NO.	SHEET NO.
R-5857	SIGN-9
APPROVED: DocuSigned by: John Bauman 7FFD5B4C3784D1...	
DATE: 5/8/2025	
SEAL	
SEAL 052428 ENGINEER JOHN BAUMAN	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-L- POT Sta. 54+25.00
END PROJECT TIP R-5857

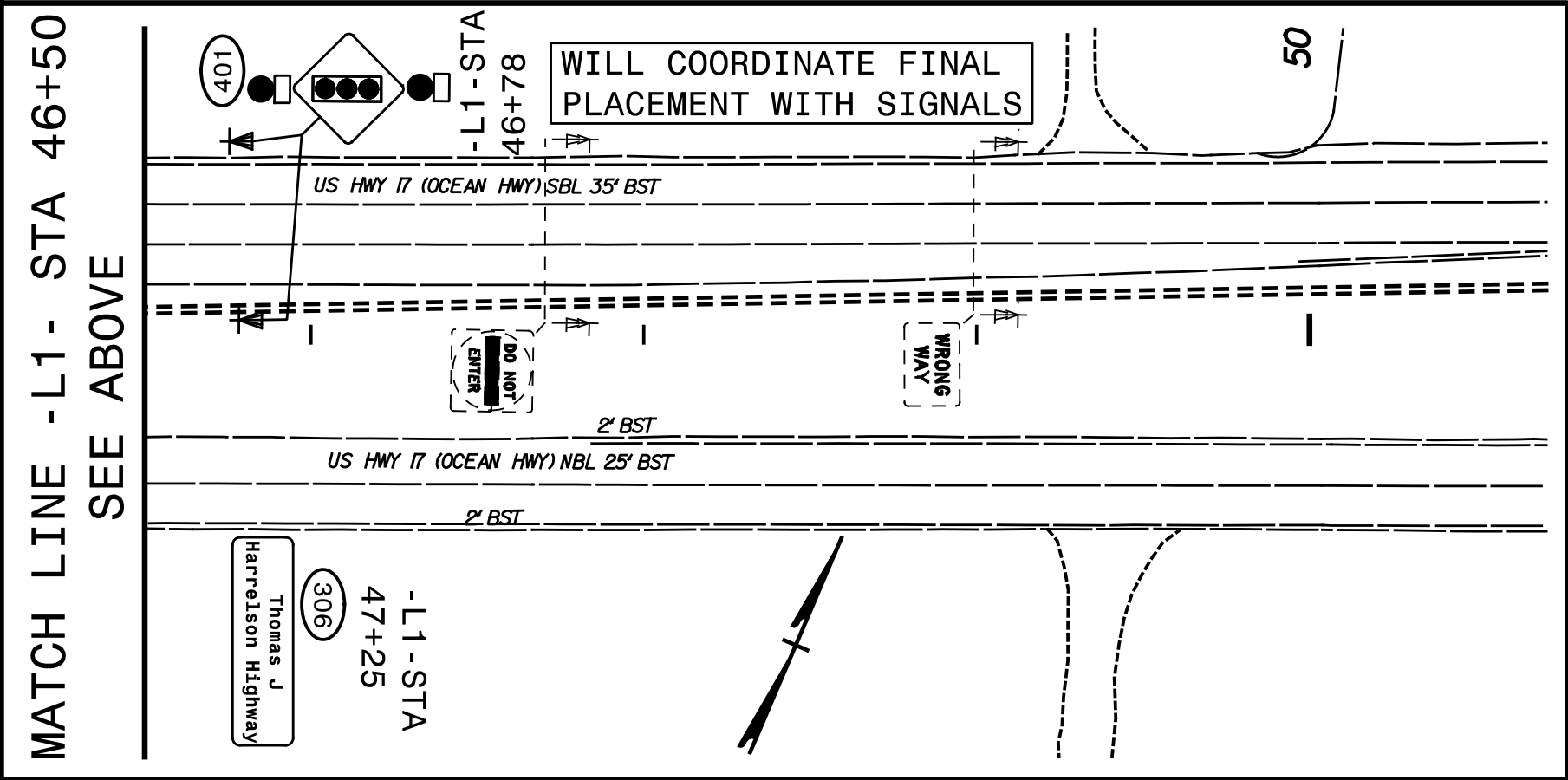
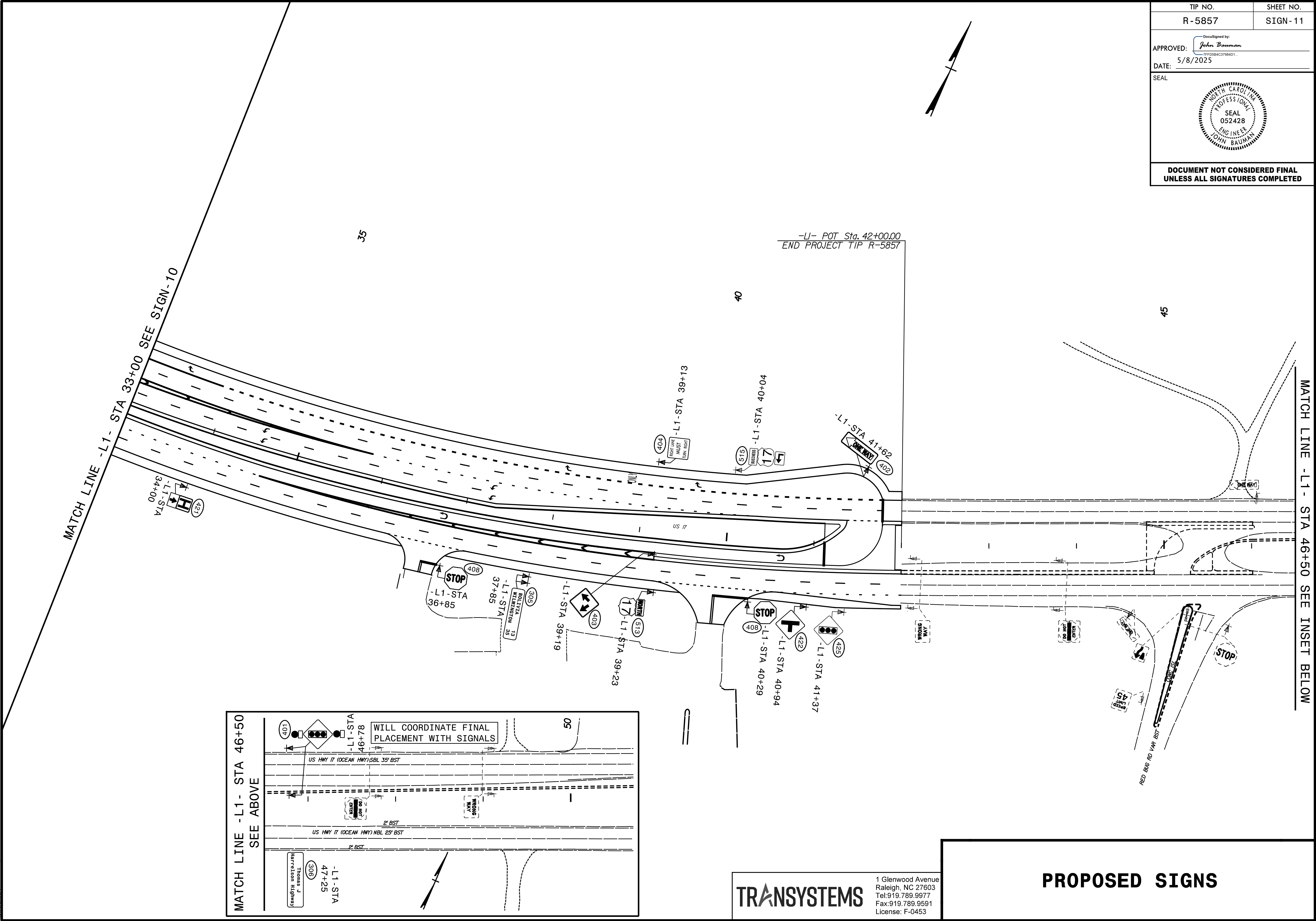


TRANSYSTEMS

1 Glenwood Avenue
Raleigh, NC 27603
Tel: 919.789.9977
Fax: 919.789.9591
License: F-0453

PROPOSED SIGNS

TIP NO.	SHEET NO.
R-5857	SIGN- 11
APPROVED: DocuSigned by: <i>John Bauman</i> 77FD5B4C378AD1...	
DATE: 5/8/2025	
SEAL	
SEAL 052428 ENGINEER JOHN BAUMAN	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



TRANSYSTEMS

1 Glenwood Avenue
Raleigh, NC 27603
Tel:919.789.9977
Fax:919.789.9591
License: F-0453

PROPOSED SIGNS