

T.I.P.: B-5777

CONTRACT:

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

SIGNING PLAN

DAVIDSON COUNTY

LOCATION: BRIDGE NO. 58 OVER US 64 ON NC 109

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
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
902.10	FOUNDATIONS FOR GROUND MOUNTED SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
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 SIGNING
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE A SIGN	240	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN	74	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	159	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN	133	S.F.
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	2	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	1	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	1281	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	550	L.F.
4096000000	904	SIGN ERECTION, TYPE D	6	EA.
4102000000	904	SIGN ERECTION, TYPE E	31	EA.
4108000000	904	SIGN ERECTION, TYPE F	48	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	44	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	4	EA.

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.
- 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.
- SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.
- DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-1A	SINGLE LANE RURAL ROUNDABOUT SIGNING DETAIL
SIGN-1B	TYPE "A" GROUND MOUNTED SIGN SUPPORT
SIGN-2	E SHEET
SIGN-2A	F SHEET
SIGN-3 THRU SIGN-3A	SIGN DESIGNS
SIGN-4 THRU SIGN-5	PROPOSED SIGNS
SIGN-6 THRU SIGN-7	EXISTING SIGNS

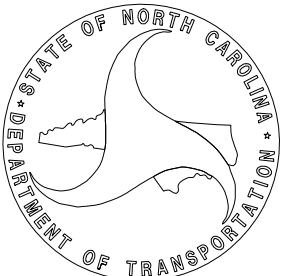
PLAN SUBMITTED TO: NCDOT

KELVIN JORDAN

SIGNING AND DELINEATION REGIONAL ENGINEER

ASHLEY MATTHEWS, PE

SIGNING AND DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: RS&H

SEAN M. KORTOVICH, P.E.

PROJECT ENGINEER

REBECCA E. WRIGHT, P.E.

PROJECT DESIGN ENGINEER



TIP NO.

B-5777

SHEET NO.

SIGN-1

APPROVED:

Signed by:

4/28/2025

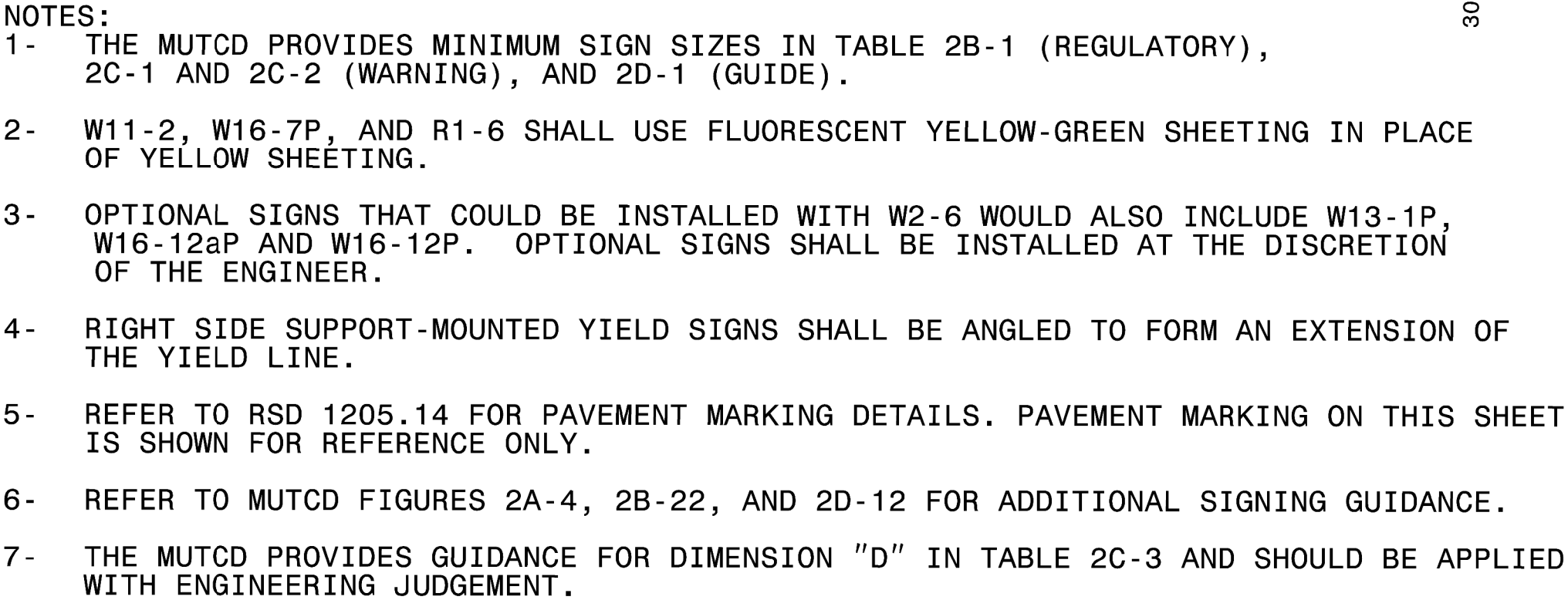
DATE:

SEAL

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

LEGEND	
★ OPTIONAL	
⊥	STATIONARY SIGN ON ONE SUPPORT
⊥	STATIONARY SIGN ON TWO SUPPORTS



ROADWAY DETAIL DRAWING FOR SINGLE LANE RURAL ROUNDABOUT SIGNING

A circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "MATTHEW V. SPRINGER" at the bottom. Inside the ring, the words "PROFESSIONAL" and "ENGINEER" are written in a semi-circle. In the center, the word "SEAL" is at the top, followed by the license number "042546" in a large font. Below the license number is the text "Matthew V. Springer" and the NCID number "BC0090EBB584403". At the bottom right of the seal, the expiration date "3/31/2025" is printed.

APPROVED: _____

DATE: _____

SEAL

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

SHEET 1A OF 2

910D40

**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

Office 919-707-8950 FAX 919-250-4119

SEE TITLE BLOCK

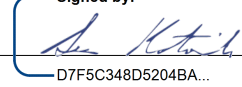
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MODIFIED BY:		DATE:	
CHECKED BY:		DATE:	
FILE SPEC.:			

TIP NO.
B-5777

SHEET NO.
SIGN-1B

APPROVED:

Signed by:



DATE: 3/31/2025

SEAL



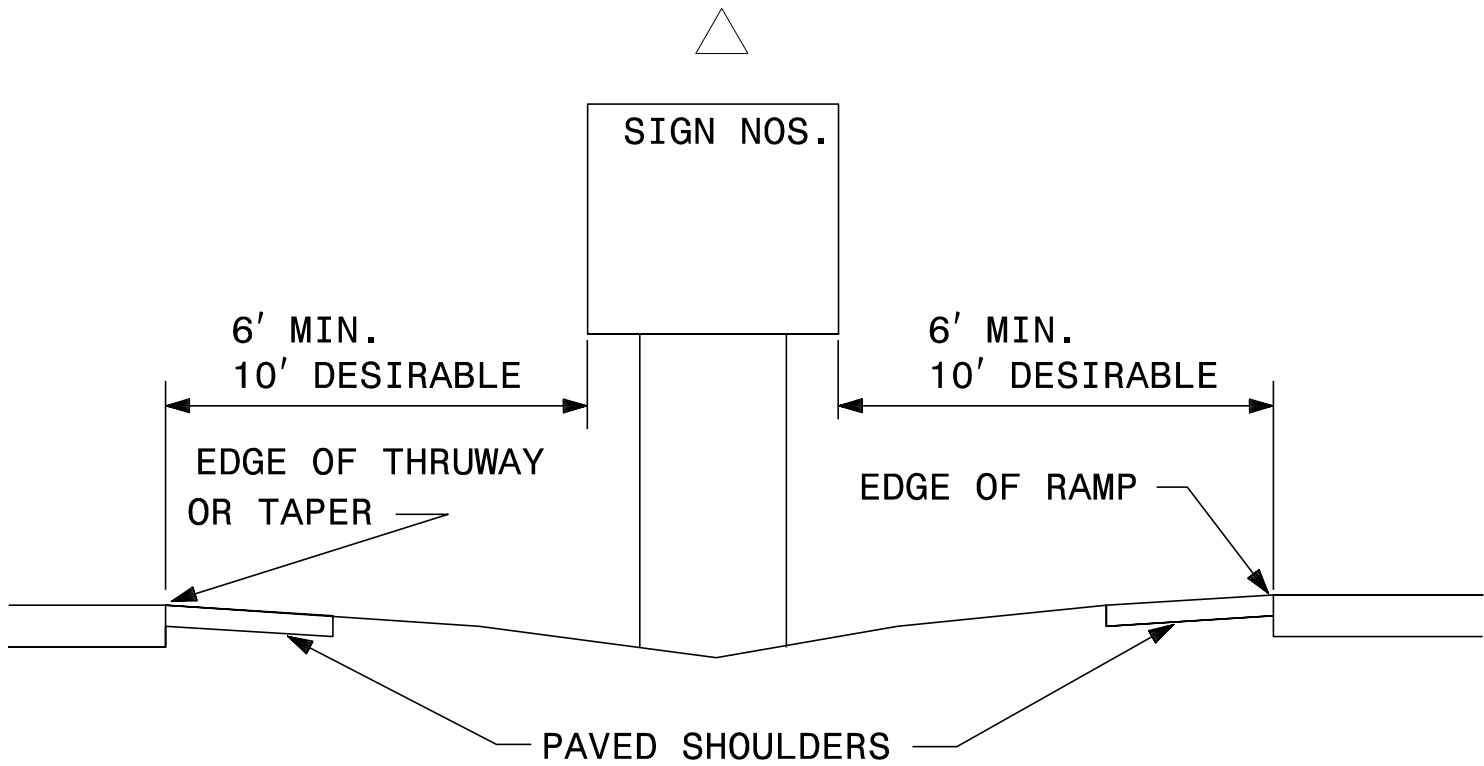
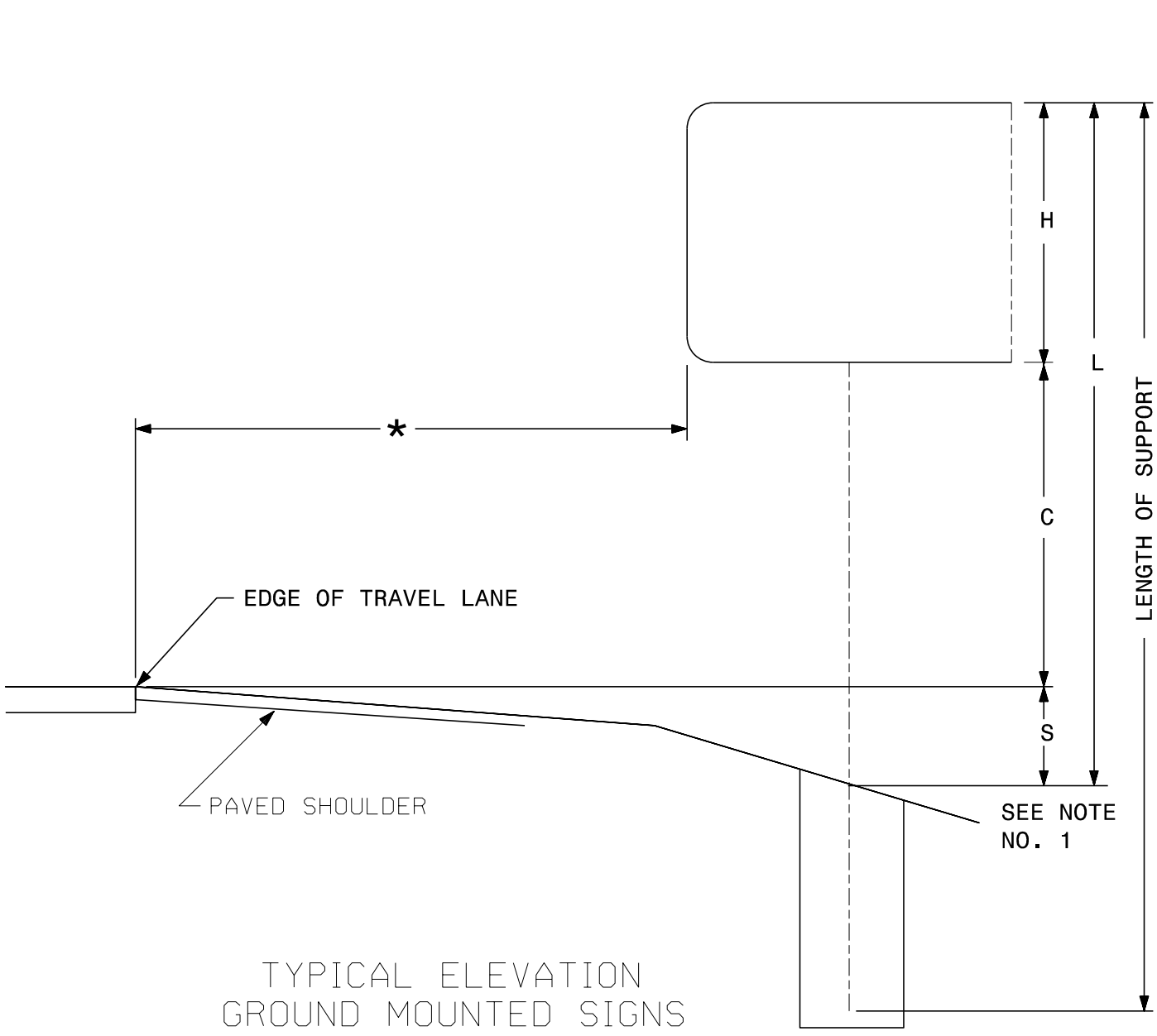
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UNLESS ALL SIGNATURES COMPLETED

Version: 3.2 Posted: 7/5/2023

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.)												SNS HT	MTG HT	EMBED- MENT												DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)		
		w	x	h													"H"	"C"															
202	A	72	x	60	-RPA- 10+41	2	S3x5.7	BA	N/A	N/A	N/A	6.00	3.52	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17		
201	A	72	x	60	-RPC- 10+58	2	S3x5.7	BA	N/A	N/A	N/A	6.00	3.52	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17		
101	A	120	x	108	FIELD VERIFY	2	W6x9	BA	N/A	N/A	N/A	18.00	5.86	9.00	7.00	3.5	1.00	17.00	20.50	0.00	0.00	0.00	1.00	17.00	20.50	433.00	0	1.5	4	0.52	0.00		
102	A	120	x	108	FIELD VERIFY	2	W6x9	BA	N/A	N/A	N/A	18.00	5.86	9.00	7.00	3.5	1.00	17.00	20.50	0.00	0.00	0.00	1.00	17.00	20.50	433.00	0	1.5	4	0.52	0.00		
														TOTAL			TOTAL			TOTAL			TOTAL										
														1280.00			0.00			1.05			0.35										
USE:														1281.00			0.00			2.00			1.00										

NOTES

- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
- ASSUMED 1' "S" DIMENSIONS FOR BOTH 102 SIGNS. THIS VALUE MUST BE FIELD VERIFIED.
- 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
- 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.

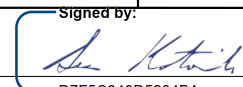


RS&H 8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
NC FIRM LICENSE No: F-0493

TYPE "A" GROUND MOUNTED
SIGN SUPPORT INFORMATION

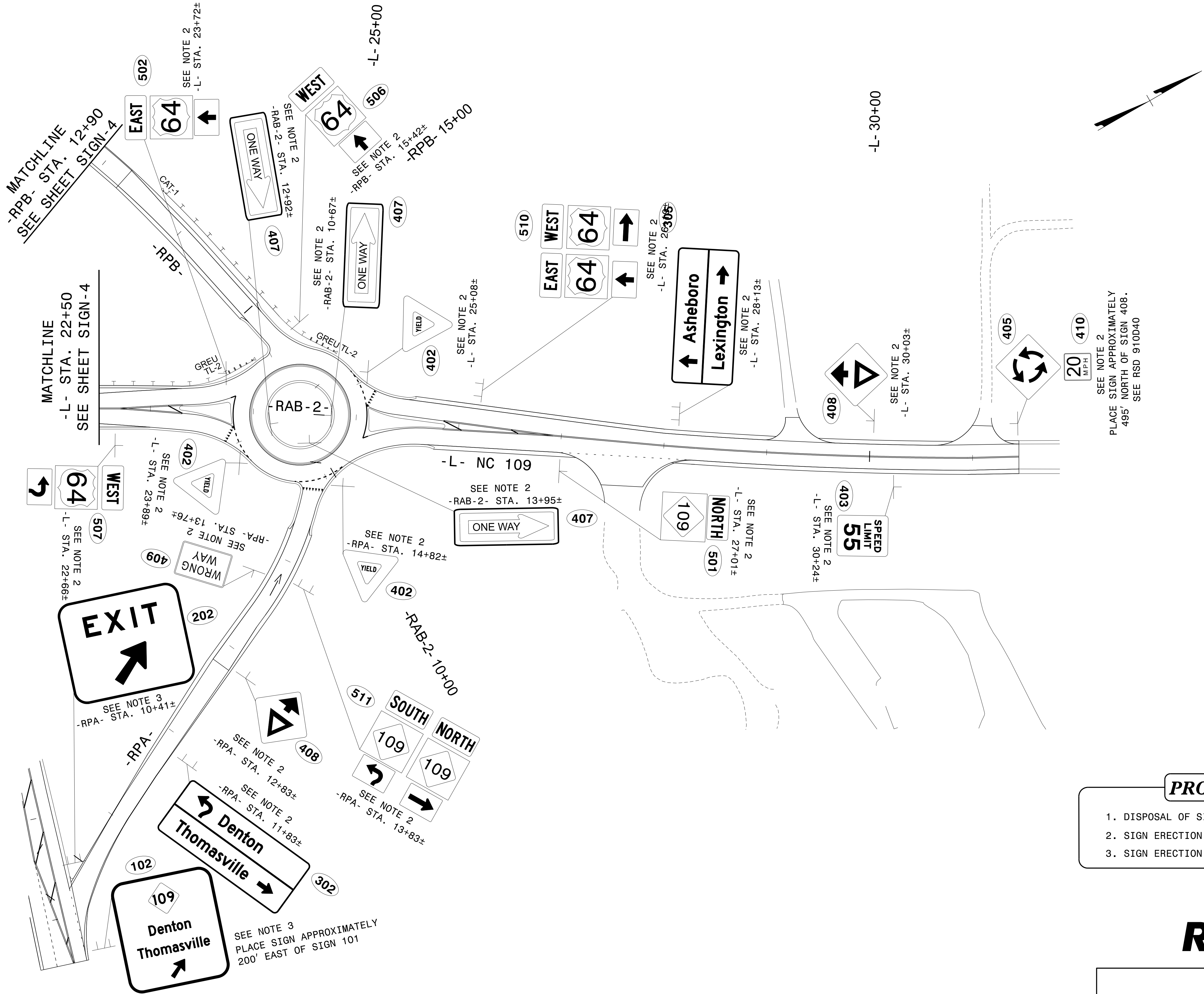
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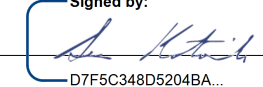
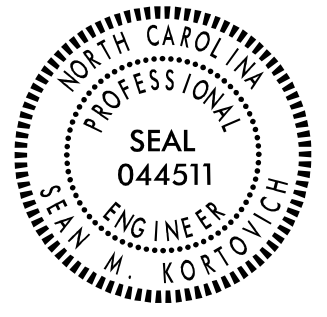
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501 QUANTITY REQ'D _1_ NORTH 109 24 X 12 M3-1 24 X 24 M1-5 ONE "U" POST PER SIGN SYSTEM		502 QUANTITY REQ'D _2_ EAST 64 ↑ 24 X 12 M3-2 24 X 24 M1-4 21 X 15 M6-3 ONE "U" POST PER SIGN SYSTEM		503 QUANTITY REQ'D _1_ EAST 64 24 X 12 M3-2 24 X 24 M1-4 ONE "U" POST PER SIGN SYSTEM		504 QUANTITY REQ'D _1_ EAST 64 ↶ 24 X 12 M3-2 24 X 24 M1-4 21 X 15 M5-3 ONE "U" POST PER SIGN SYSTEM		505 QUANTITY REQ'D _1_ WEST 64 24 X 12 M3-4 24 X 24 M1-4 ONE "U" POST PER SIGN SYSTEM		TIP NO. B-5777 SHEET NO. SIGN-2A APPROVED: signed by:  D7F5C3A83204BA... DATE: 3/31/2025 SEAL  DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
506 QUANTITY REQ'D _2_ WEST 64 ↑ 24 X 12 M3-4 24 X 24 M1-4 21 X 15 M6-3 ONE "U" POST PER SIGN SYSTEM		507 QUANTITY REQ'D _1_ WEST 64 ↶ 24 X 12 M3-4 24 X 24 M1-4 21 X 15 M5-3 ONE "U" POST PER SIGN SYSTEM		508 QUANTITY REQ'D _1_ NORTH 109 ↶ SOUTH 109 → 24 X 12 M3-1 24 X 12 M3-3 24 X 24 M1-5 24 X 24 M1-5 21 X 15 M5-3 21 X 15 M6-1 TWO "U" POST PER SIGN SYSTEM		509 QUANTITY REQ'D _1_ WEST 64 ↑ EAST 64 → 24 X 12 M3-4 24 X 12 M3-2 24 X 24 M1-4 24 X 24 M1-4 21 X 15 M6-3 21 X 15 M6-1 MOUNT BELOW SIGN 301 IN 1 INSTALLATION					
510 QUANTITY REQ'D _1_ EAST 64 ↑ WEST 64 → 24 X 12 M3-2 24 X 12 M3-4 24 X 24 M1-4 24 X 24 M1-4 21 X 15 M6-3 21 X 15 M6-1 TWO "U" POST PER SIGN SYSTEM		511 QUANTITY REQ'D _1_ SOUTH 109 ↶ NORTH 109 → 24 X 12 M3-3 24 X 12 M3-1 24 X 24 M1-5 24 X 24 M1-5 21 X 15 M5-3 21 X 15 M6-1 TWO "U" POST PER SIGN SYSTEM									
						RS&H 8521 SIX FORKS ROAD, SUITE 400 RALEIGH, NC 27615 NC FIRM LICENSE No: F-0493					
						TYPE "F" SIGNS					



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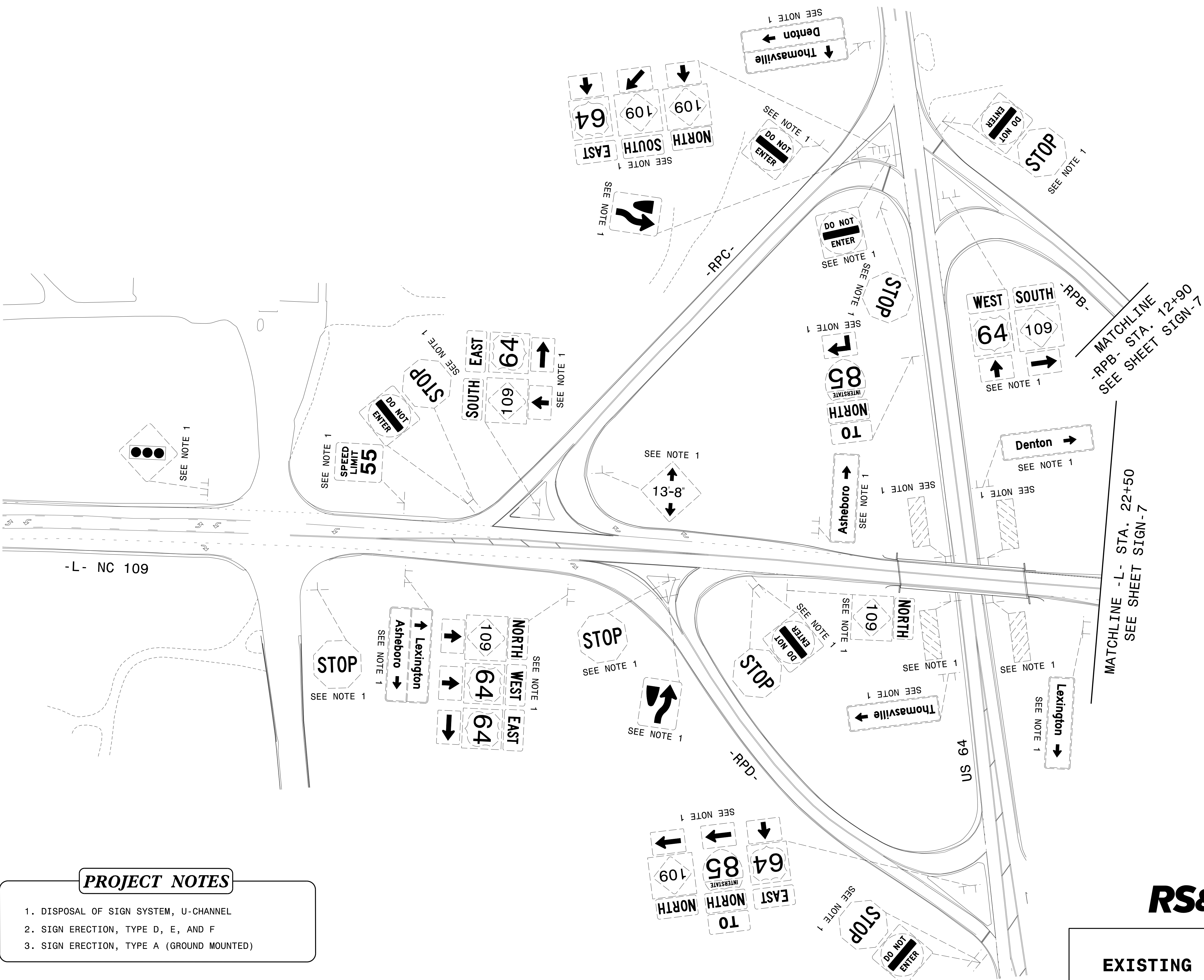
PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. SIGN ERECTION, TYPE D, E, AND F
3. SIGN ERECTION, TYPE A (GROUND MOUNTED)

RS&H 8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
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PROPOSED SIGNING DETAIL

3/25/2025
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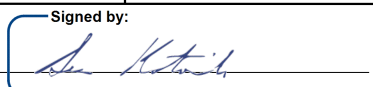
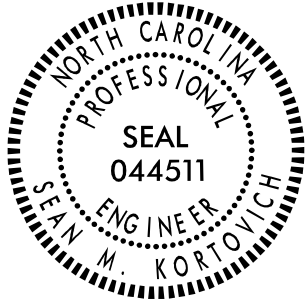
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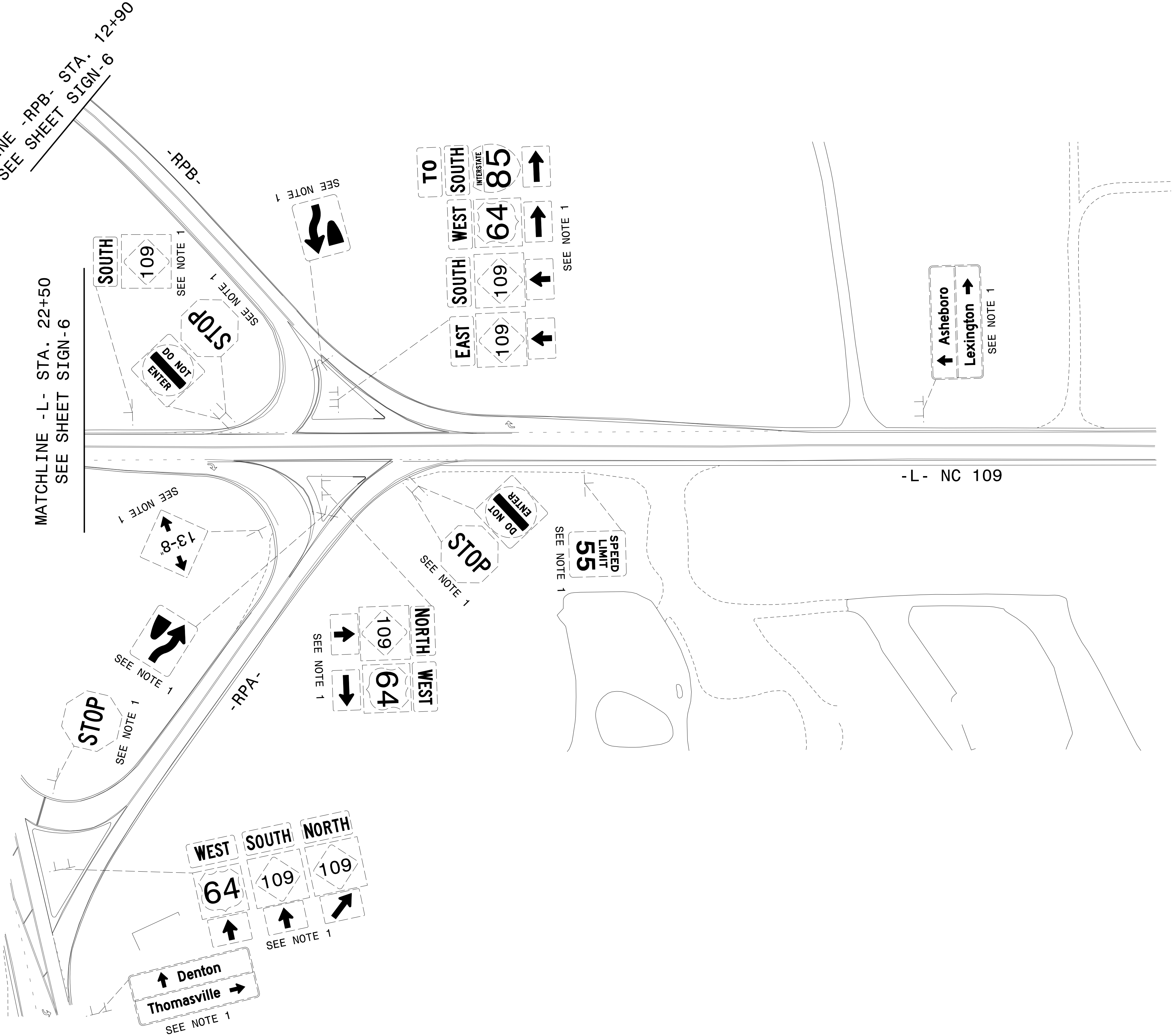
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MATCHLINE -RPB- STA. 12+90
SEE SHEET SIGN-6

MATCHLINE -L- STA. 22+50
SEE SHEET SIGN-6

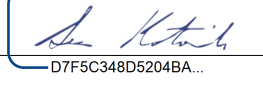


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RALEIGH, NC 27615
NC FIRM LICENSE No: F-0493

EXISTING SIGNING DETAIL

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