

T.I.P.: U-6018

CONTRACT NO.:

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
GUILFORD COUNTY

LOCATION: WIDENING OF NC 62 (LIBERTY RD) FROM EAST OF NC 610 (E. FAIRFIELD RD) TO EAST OF SR 4066
(MODLIN GROVE RD) AND THE REALIGNMENT OF SR 1154 (KERSEY VALLEY RD) AND SR 1162 (WEANT RD)

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
901.10	TYPE 'A' SIGNS (SHEET 2 OF 2)
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - TYPE A AND TYPE B 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
1264.01	OBJECT MARKER TYPES
1264.02	OBJECT MARKER INSTALLATION

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	1	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	775	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1730	L.F.
4096000000	904	SIGN ERECTION, TYPE D	6	EA.
4102000000	904	SIGN ERECTION, TYPE E	112	EA.
4108000000	904	SIGN ERECTION, TYPE F	13	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE B (GROUND MOUNTED)	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED)	1	EA.
4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM	4	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	67	EA.

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' 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 SHALL BE TYPE C REFLECTIVE SHEETING, UNLESS OTHERWISE NOTED.
- . DO NOT BEGIN FABRICATION FOR TYPE A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-1A	NCDOT ROADWAY STANDARD DRAWINGS
SIGN-2	TYPE "A" GROUND MOUNTED SIGNS
SIGN-3-3A	TYPE "E" AND "F" SIGNS
SIGN-4-4A	SIGN DESIGNS
SIGN-5-7	EXISTING SIGNING
SIGN 8-11	PROPOSED SIGNING

PLAN PREPARED BY: DRMP, INC.

KAYLA M. POULOS, P.E.

PROJECT MANAGER

TIMOTHY S. POPELKA, P.E.

PROJECT ENGINEER



DRMP, INC.
5808 FARINGDON PLACE
RALEIGH, NC 27609
(919) 872-5115

NC LICENSE NO. F-1524
www.drmp.com

TIP NO.

U-6018

SHEET NO.

SIGN-1

APPROVED

Kayla M. Poulos

1807791CEFD0423...

DATE:

4/29/2025

SEAL



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TIP NO.
U - 6018

SHEET NO.
SIGN - 2

APPROVED:

Signed by: *Kayla M. Paulos*

180791CEFF90423...

DATE: 4/29/2025

SEAL

NORTH CAROLINA

PROFESSIONAL

SEAL

050515

ENGINEER

KAYLA M. PAULOS

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DRMP

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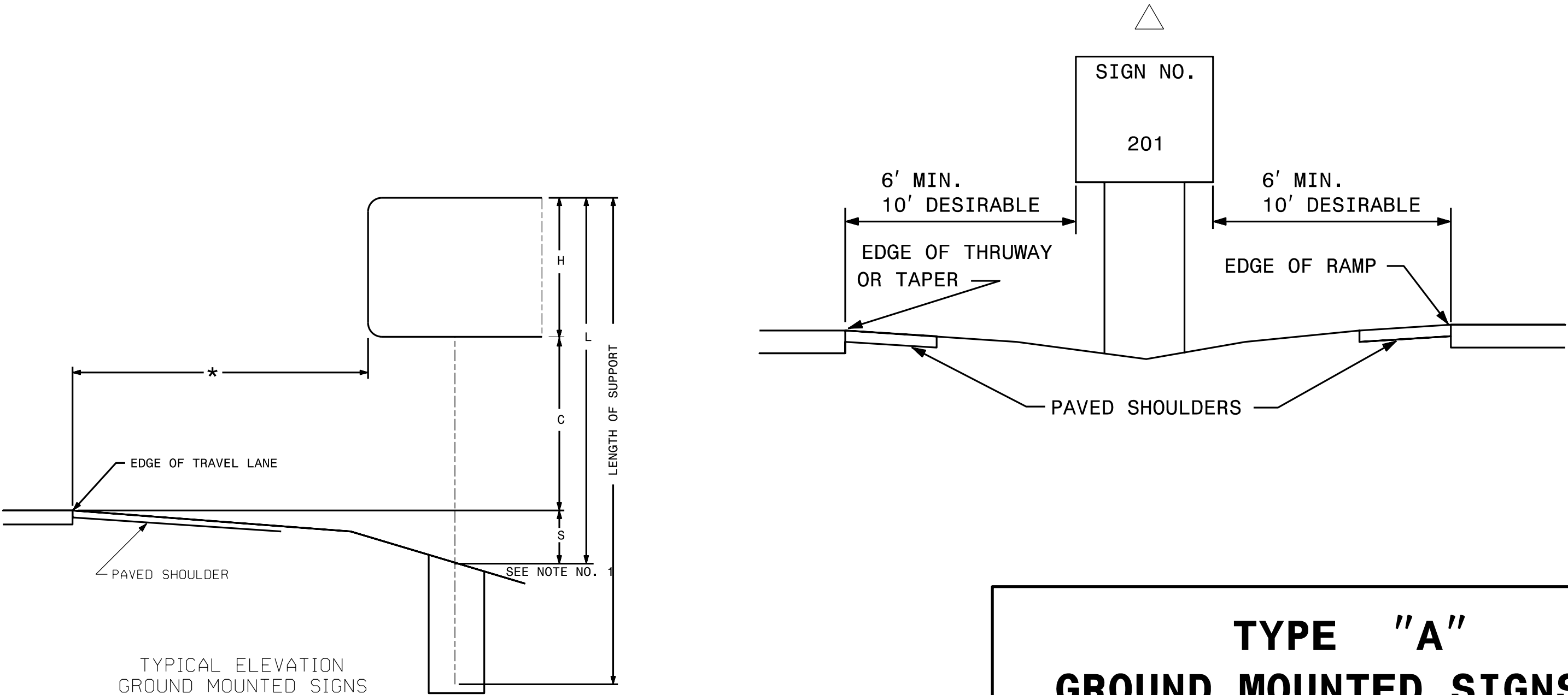
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Version: 3.1 Posted: 6/2/2017

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)		
														SNS HT	MTG HT	EMBED- MENT												DIA METER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)			
NUMBER	TYPE	w	x	h										B/A (lbs.)	SIMPLE (lbs.)																			
201	A	126	x	60										12+00 -RPA-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	6.15	5.00	7.00	3.0	0.50	12.50	15.50	0.00	0.00	0.00		0.50	12.50
901	B	90	x	48	17+00 -RPA-	2	S3x5.7	BA	N/A	N/A	N/A	18.00	4.40	4.00	7.00	2.5	2.20	13.20	15.70	0.00	0.00	0.00	2.93	13.93	16.43	219.14	0	1.0	3	0.00	0.17	_____		
902	A	90	x	84	15+50 -RPA-	2	S4x7.7	BA	N/A	N/A	N/A	18.00	4.40	7.00	7.00	3.0	2.28	16.28	19.28	0.00	0.00	0.00	3.01	17.01	20.01	342.53	0	1.0	3.5	0.00	0.20	_____		
					TOTAL																				TOTAL		TOTAL							
					774.37																				0.00		0.00							
USE:					775.00																				0.00		1.00							

NOTES

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



401 QUANTITY REQ'D 6 SPEED LIMIT 45 30" X 36" R2-1 ONE "U" POST PER SIGN		406 QUANTITY REQ'D 2 18" X 18" OM1-3 MOUNT BELOW SIGN 407 IN 2 INSTALLATIONS		411 QUANTITY REQ'D 3 ONE WAY 54" X 18" R6-1 (L) TWO "U" POSTS PER SIGN		416 QUANTITY REQ'D 3 30" X 24" R6-4 ONE "U" POST PER SIGN		421 QUANTITY REQ'D 7 36" X 36" W11-2 ONE "U" POST PER SIGN (FLUORESCENT YELLOW-GREEN) GRADE B SHEETING		426 QUANTITY REQ'D 1 36" X 36" R3-4 ONE "U" POST PER SIGN	
402 QUANTITY REQ'D 3 36" X 36" W3-3 ONE "U" POST PER SIGN		407 QUANTITY REQ'D 4 24" X 30" R4-7 ONE "U" POST PER SIGN		412 QUANTITY REQ'D 4 WRONG WAY 36" X 24" R5-1a ONE "U" POST PER SIGN		417 QUANTITY REQ'D 1 30" X 30" W12-1 ONE "U" POST PER SIGN		422 QUANTITY REQ'D 4 24" X 12" W16-7 MOUNT BELOW SIGN 421 IN 4 INSTALLATIONS (FLUORESCENT YELLOW-GREEN) GRADE B SHEETING		427 QUANTITY REQ'D 1 36" X 36" R3-2 MOUNT BELOW SIGN 404 IN 1 INSTALLATION	
403 QUANTITY REQ'D 2 30" X 30" W1-4 ONE "U" POST PER SIGN		408 QUANTITY REQ'D 8 36" X 36" X 36" R1-2 ONE "U" POST PER SIGN		413 QUANTITY REQ'D 1 36" X 36" W4-2 ONE "U" POST PER SIGN		418 QUANTITY REQ'D 1 36" X 36" W9-1R ONE "U" POST PER SIGN		423 QUANTITY REQ'D 4 30 M.P.H. 18" X 18" W13-1P MOUNT ABOVE SIGNS 403/415/420 IN 4 INSTALLATIONS		428 QUANTITY REQ'D 3 24" X 12" W16-7P MOUNT BELOW SIGN 421 IN 3 INSTALLATIONS (FLUORESCENT YELLOW-GREEN)	
404 QUANTITY REQ'D 5 STOP 36" X 36" R1-1 ONE "U" POST PER SIGN		409 QUANTITY REQ'D 4 DO NOT ENTER 36" X 36" R5-1 ONE "U" POST PER SIGN		414 QUANTITY REQ'D 3 36" X 36" W2-6 ONE "U" POST PER SIGN		419 QUANTITY REQ'D 1 NO OUTLET 30" X 30" W14-2 ONE "U" POST PER SIGN		424 QUANTITY REQ'D 3 TURNING VEHICLES 30" X 30" R10-15 ONE "U" POST PER SIGN		429 QUANTITY REQ'D 12 18" X 24" W1-8L MOUNT BACK TO BACK WITH SIGN 430 IN 12 INSTALLATIONS	
405 QUANTITY REQ'D 2 RIGHT LANE MUST TURN RIGHT 36" X 36" R3-7R ONE "U" POST PER SIGN		410 QUANTITY REQ'D 2 ONE WAY 36" X 12" R6-1 (R) MOUNT ABOVE SIGN 404 IN 2 INSTALLATIONS		415 QUANTITY REQ'D 1 30" X 30" W1-2L ONE "U" POST PER SIGN		420 QUANTITY REQ'D 1 30" X 30" W1-2R ONE "U" POST PER SIGN		425 QUANTITY REQ'D 2 ONE WAY 54" X 18" R6-1 (R) MOUNT BACK TO BACK WITH SIGN 411 IN 2 INSTALLATIONS		430 QUANTITY REQ'D 12 18" X 24" W1-8R ONE "U" POST PER SIGN	
								TYPE E SIGNS			

TYPE F SIGNS

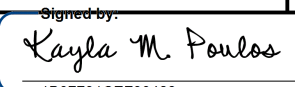
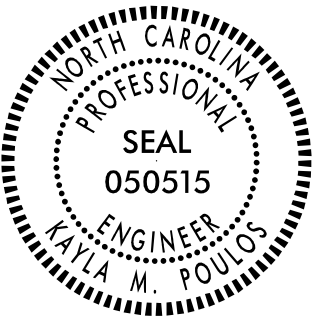
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SIGN DESIGNS

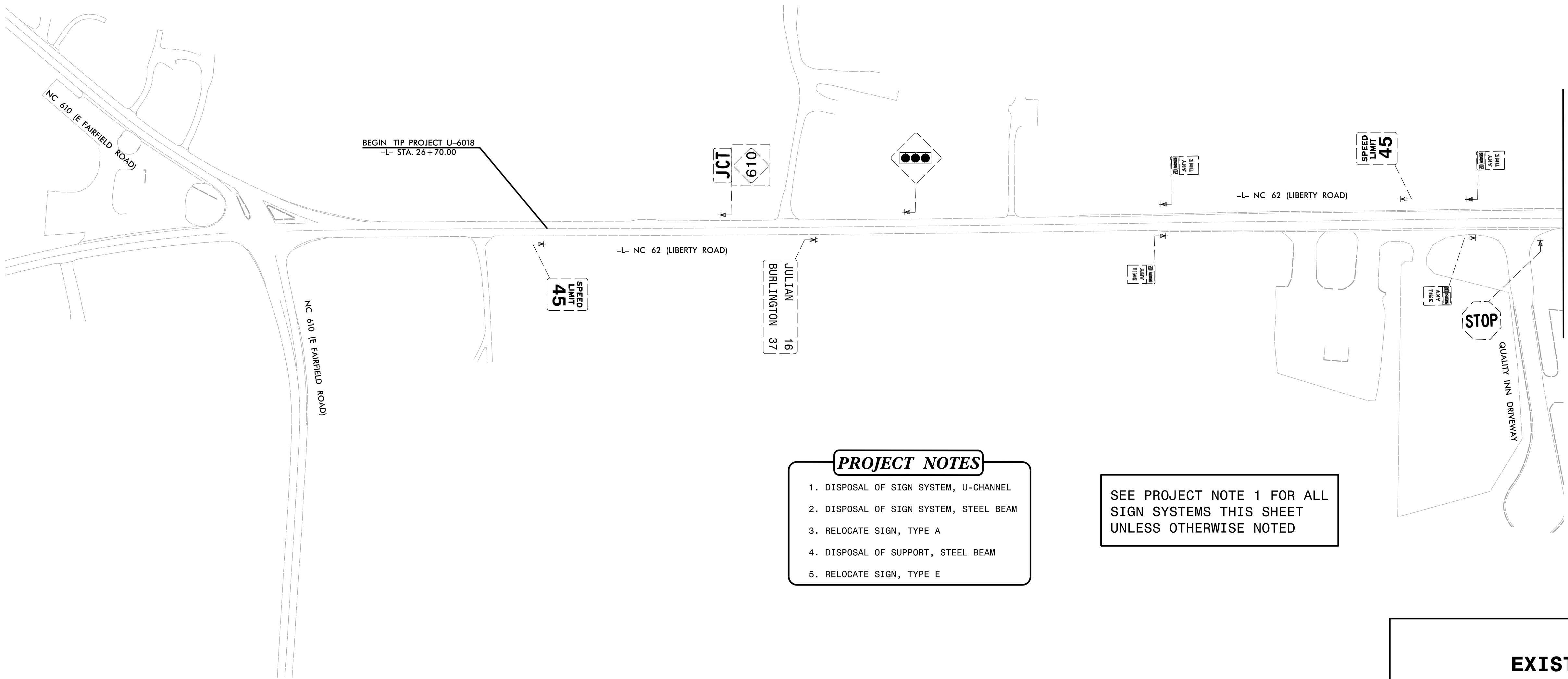
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TIP NO.		SHEET NO.	
U-6018		SIGN-4A	
APPROVED: <i>Kayla M. Poulos</i> 1807791 CEF04023.			
DATE: 4/29/2025			
SEAL			
			
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SIGN DESIGNS

TIP NO.	SHEET NO.
U-6018	SIGN-5
APPROVED:  180791CEFF90423...	
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NAD 83/2011



PROJECT NOTES

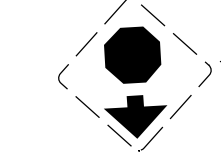
1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
3. RELOCATE SIGN, TYPE A
4. DISPOSAL OF SUPPORT, STEEL BEAM
5. RELOCATE SIGN, TYPE E

SEE PROJECT NOTE 1 FOR ALL
SIGN SYSTEMS THIS SHEET
UNLESS OTHERWISE NOTED

EXISTING SIGNS

MATCHLINE -L- STA. 43+00.00
SEE SHEET SIGN-5

-Y3- STA. 15+43.44
END SIGNING



-Y3- SR 1154 (KERSEY VALLEY ROAD)

SEE NOTE 5

-RPA- I-85 SB ON RAMP

-RPA- STA. 11+51.55
END SIGNING

PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
3. RELOCATE SIGN, TYPE A
4. DISPOSAL OF SUPPORT, STEEL BEAM
5. RELOCATE SIGN, TYPE E

SEE PROJECT NOTE 1 FOR ALL
SIGN SYSTEMS THIS SHEET
UNLESS OTHERWISE NOTED

NAD 83/2011

-RPA- STA. 11+00.00
END SIGNING

-RPA- STA. 11+89.67
END SIGNING

-RPA- I-85 NB ON RAMP

-RPC- STA. 11+50.00
END SIGNING

-RPC- I-85 NB OFF RAMP

MATCHLINE -L- STA. 62+00.00
SEE SHEET SIGN-7

EXISTING SIGNS

TIP NO.	SHEET NO.
U-6018	SIGN-6
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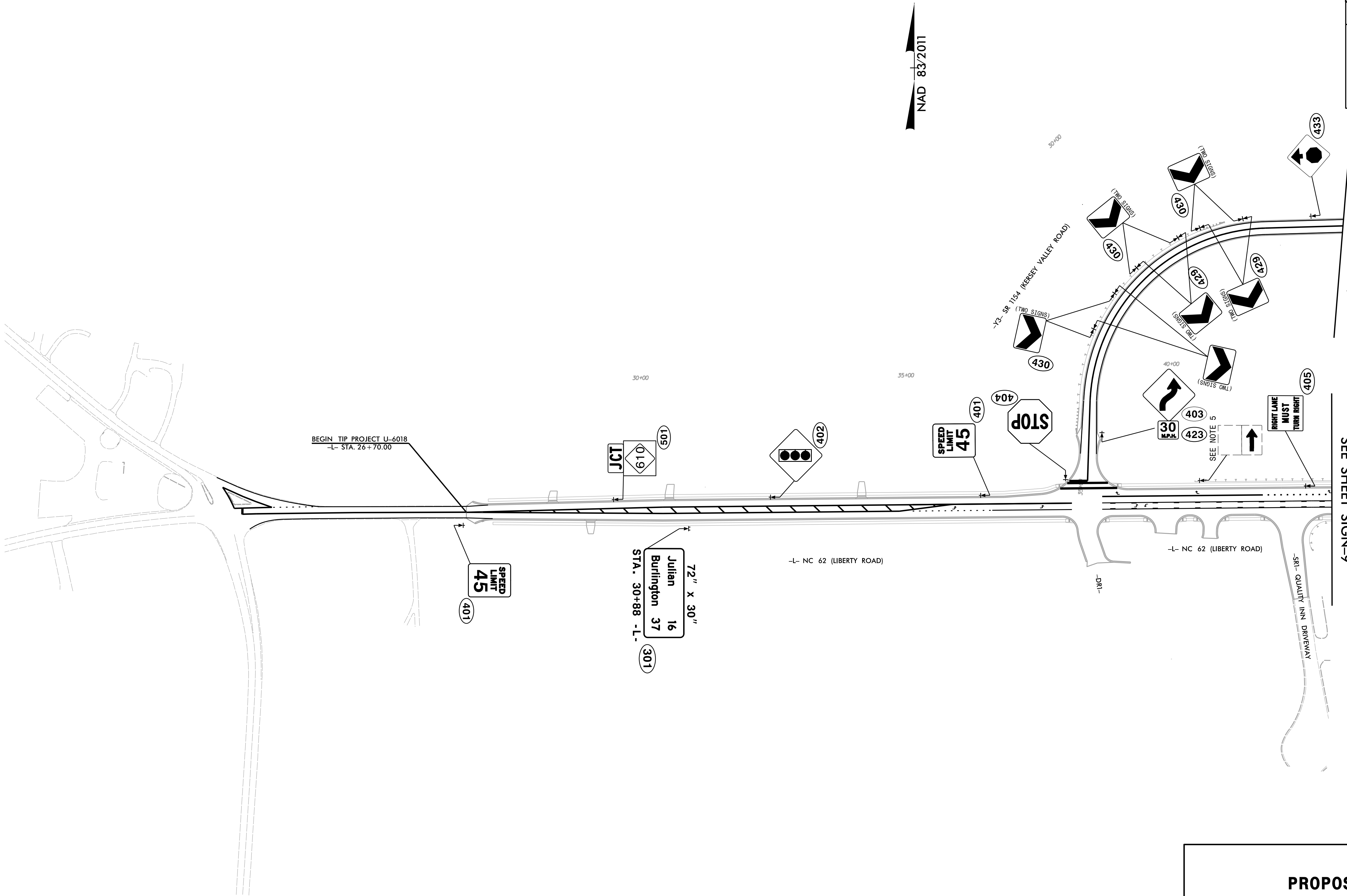


- SEE PROJECT NOTE 1 FOR ALL
SIGN SYSTEMS THIS SHEET
UNLESS OTHERWISE NOTED

EXISTING SIGNS

TIP NO.		SHEET NO.	
U-6018		SIGN-7	
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TIP NO.	SHEET NO.
U-6018	SIGN-8
APPROVED: Signed by: Kayla M. Paulos 180791CEFF90423...	
DATE: 4/29/2025	
SEAL	
NORTH CAROLINA PROFESSIONAL SEAL 050515 ENGINEER KAYLA M. PAULOS	
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PROPOSED SIGNS

MATCHLINE -Y3- STA. 26+00.00
SEE SHEET SIGN-8

MATCHLINE -L- STA. 43+00.00
SEE SHEET SIGN-8

-Y3- SR 1154 (KERSEY VALLEY ROAD)

STA. 46+00 -L-

NORTH TO
SOUTH TO
85
74

Greensboro
Charlotte

JCT
85

RIGHT LANE
MUST
TURN RIGHT

406

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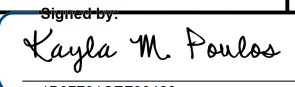
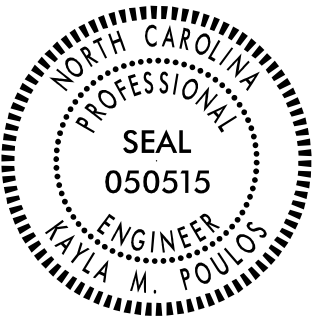
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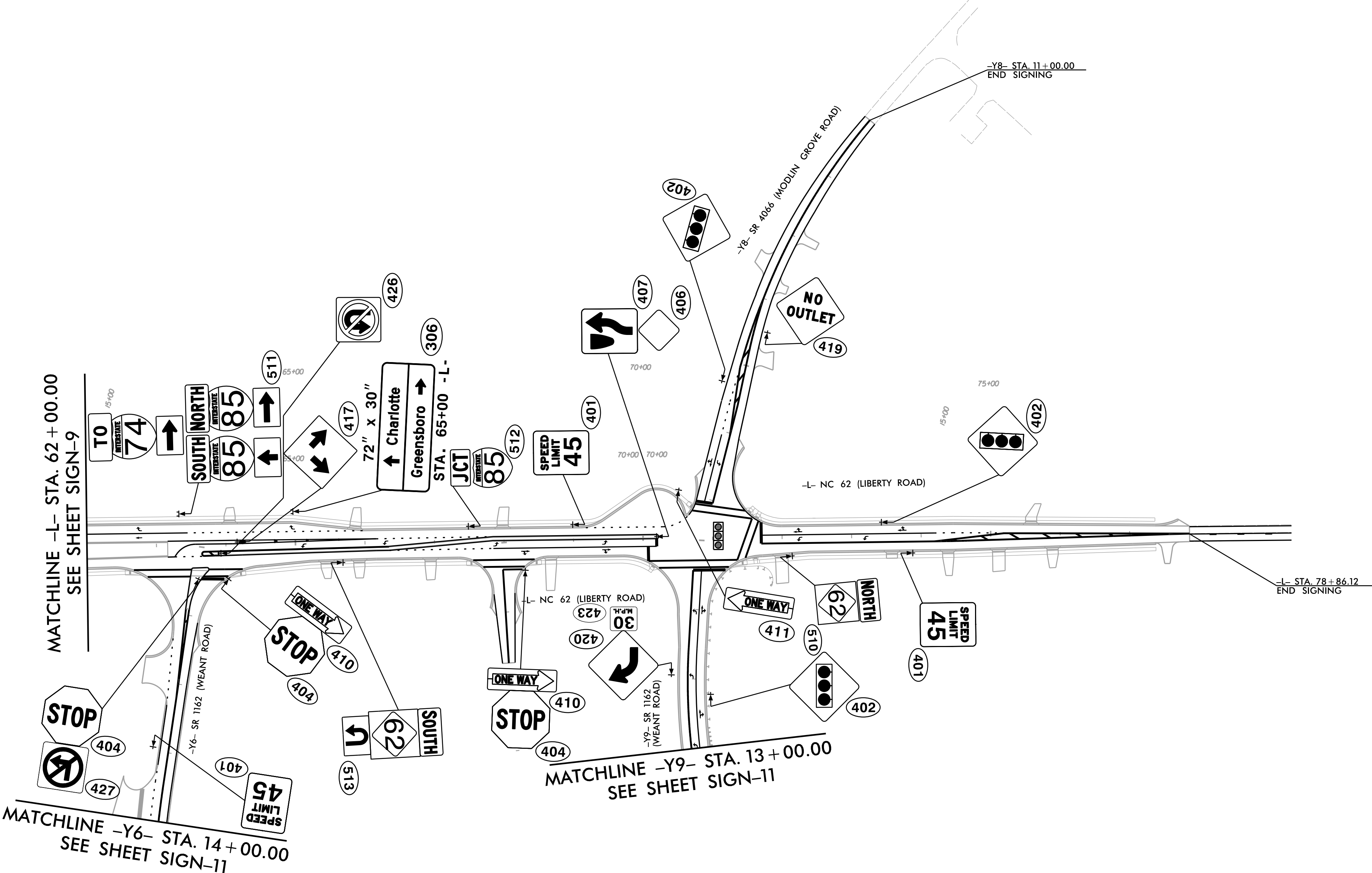
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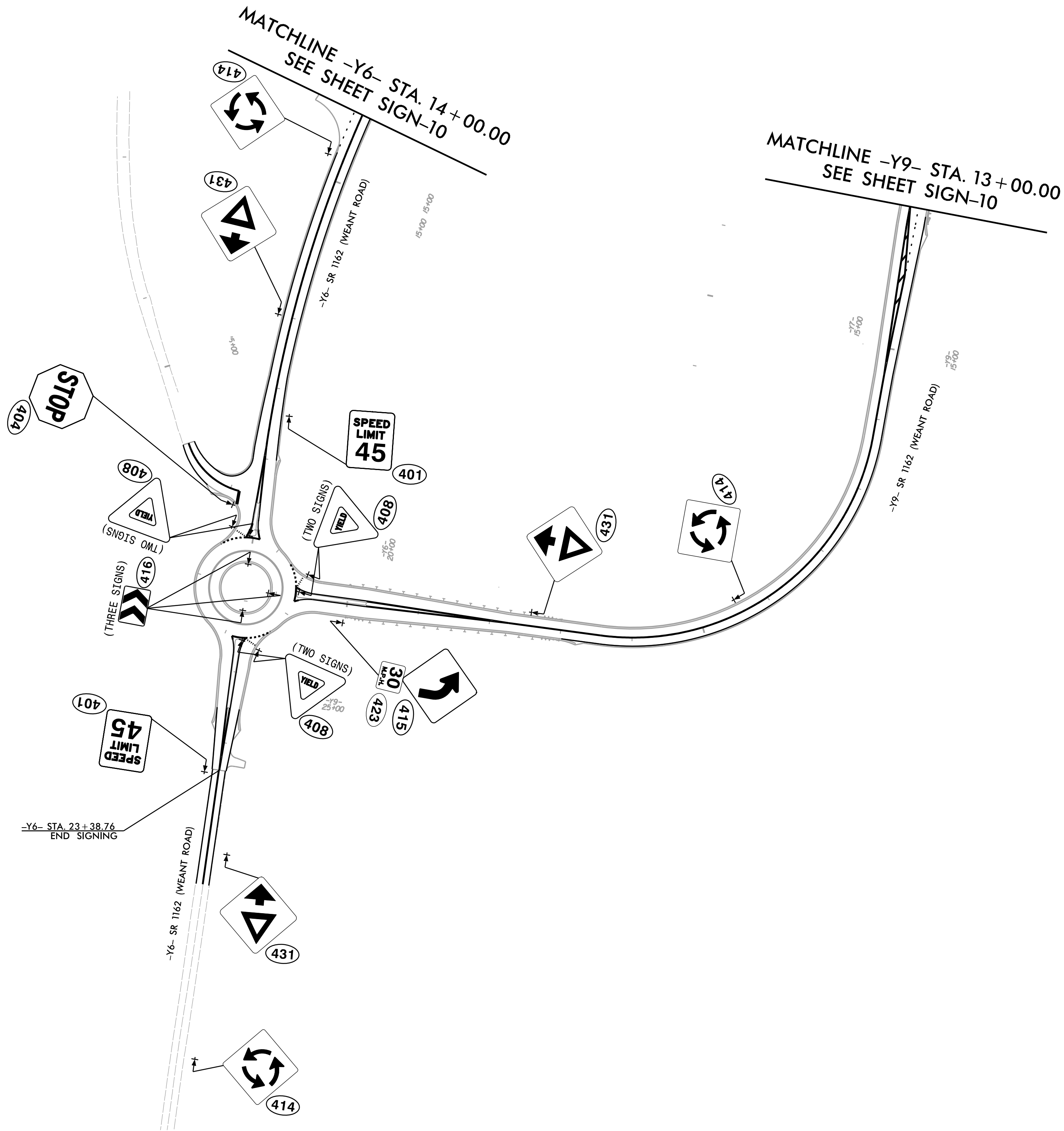
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U-6018	SIGN-10
APPROVED:  180791CEFF90423...	
DATE: 4/29/2025	
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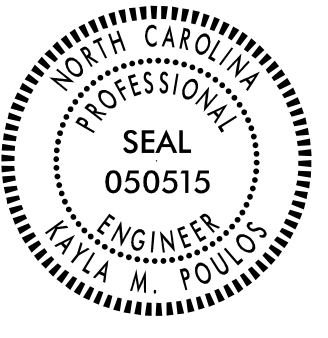
1102/28 DWN

PROPOSED SIGNS

2/19/2025
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User: mindsey



NAD 83/2011

TIP NO.	SHEET NO.
U-6018	SIGN-11
APPROVED: <i>Kayla M. Paulos</i> 4/29/2025	
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PROPOSED SIGNS