


T.I.P.: B-5869

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STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN  
BURKE COUNTY

LOCATION: BRIDGE NO. 99 ON US 64/US 70 (FLEMING DRIVE)  
OVER SOUTHERN RAILROAD

TIP NO. B-5869	SHEET NO. SIGN-1
APPROVED: <i>Michael T. Rzepka</i>	
DATE: 3/27/2023	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	229	L.F.
4102000000	904	SIGN ERECTION, TYPE E	20	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	7	EA.

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-1A	REVISED RSD 904.50, SHEET 1 OF 2
SIGN-2	TYPE "E" AND "F" SIGNS SHEET
SIGN-3	SIGN DETAIL SHEETS

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

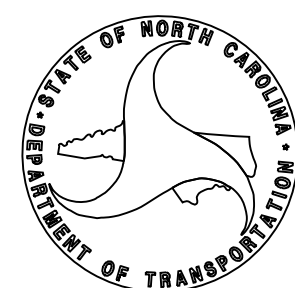
STD. NO.	TITLE
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

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.
- 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.

PLAN REVIEWED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT


KELVIN JORDAN \_\_\_\_\_ SIGNING & DELINEATION STANDARDS ENGINEER  
WALTER JOHNSON \_\_\_\_\_ SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: HDR ENGINEERING, INC. OF THE CAROLINAS

MIKE RZEPKA, P.E. \_\_\_\_\_ SIGNING & DELINEATION PROJECT DESIGN ENGINEER  
CHRIS HARNDEN \_\_\_\_\_ SIGNING & DELINEATION PROJECT DESIGN TECHNICIAN



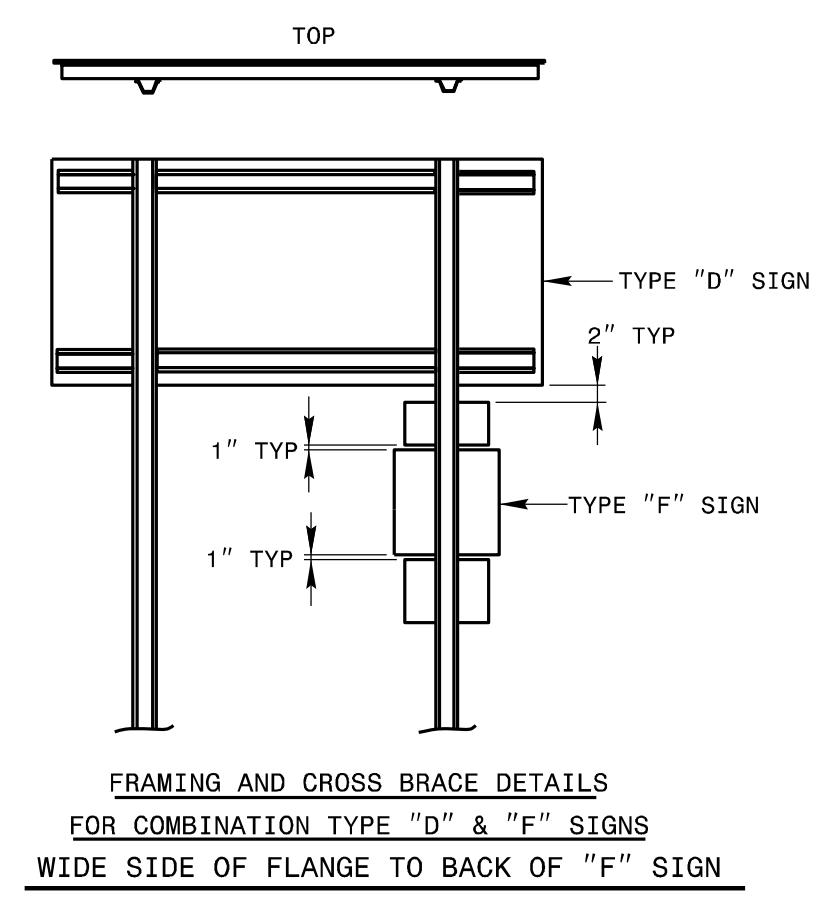
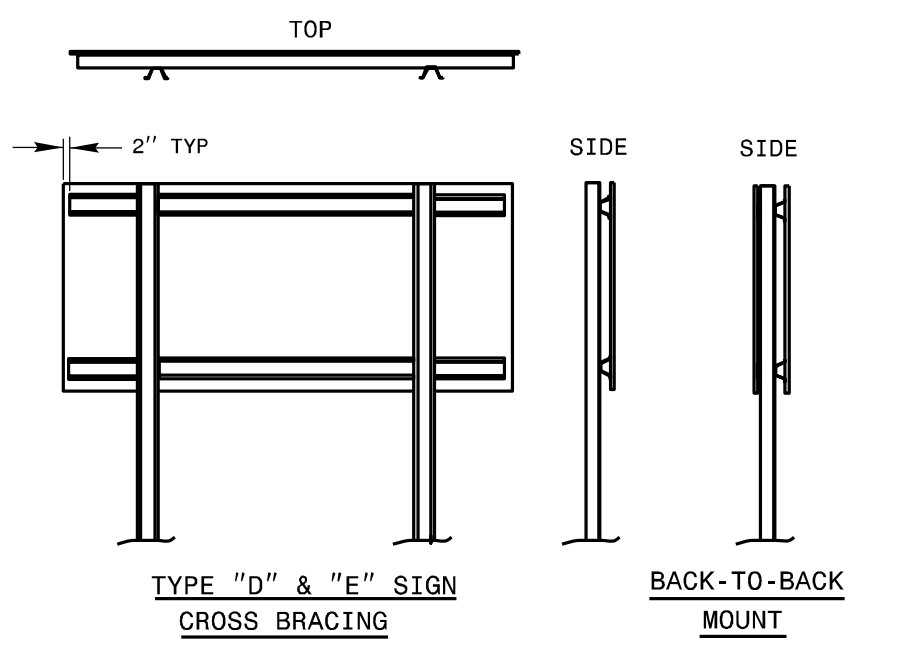
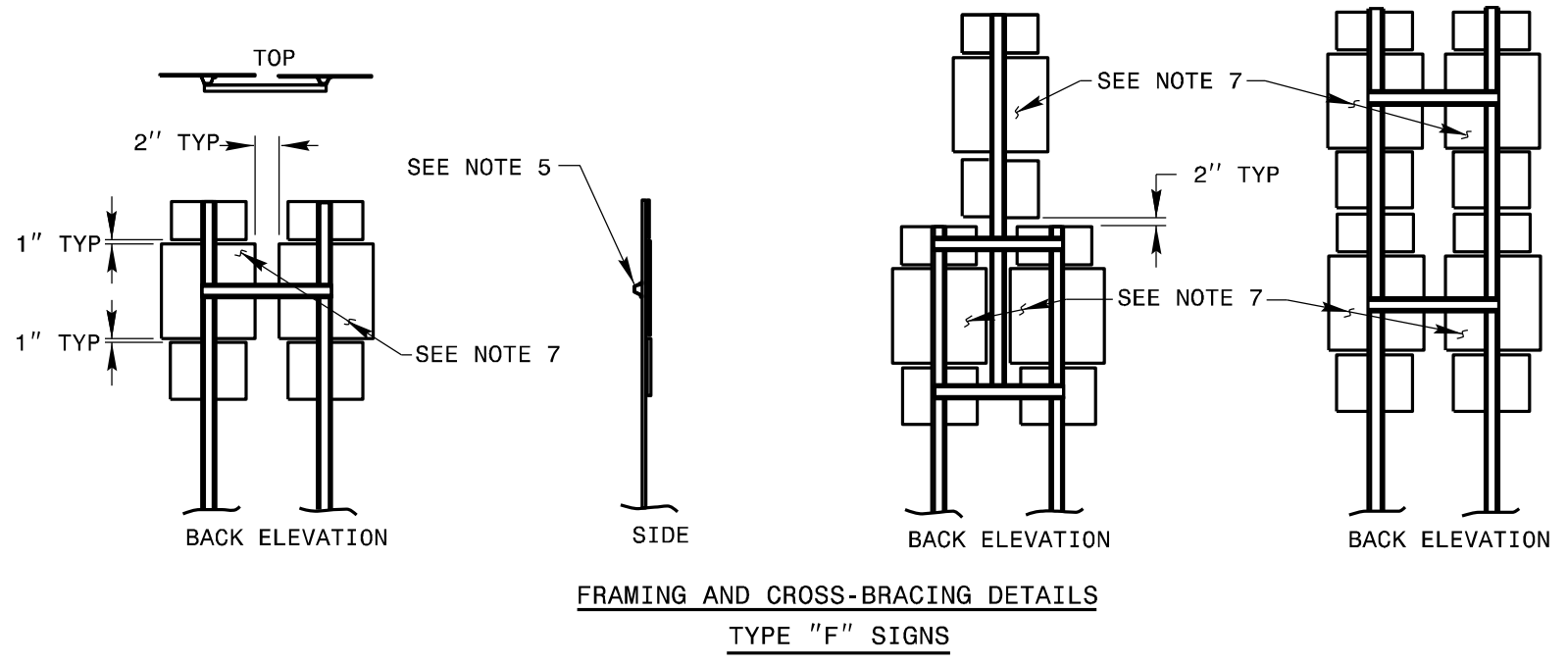
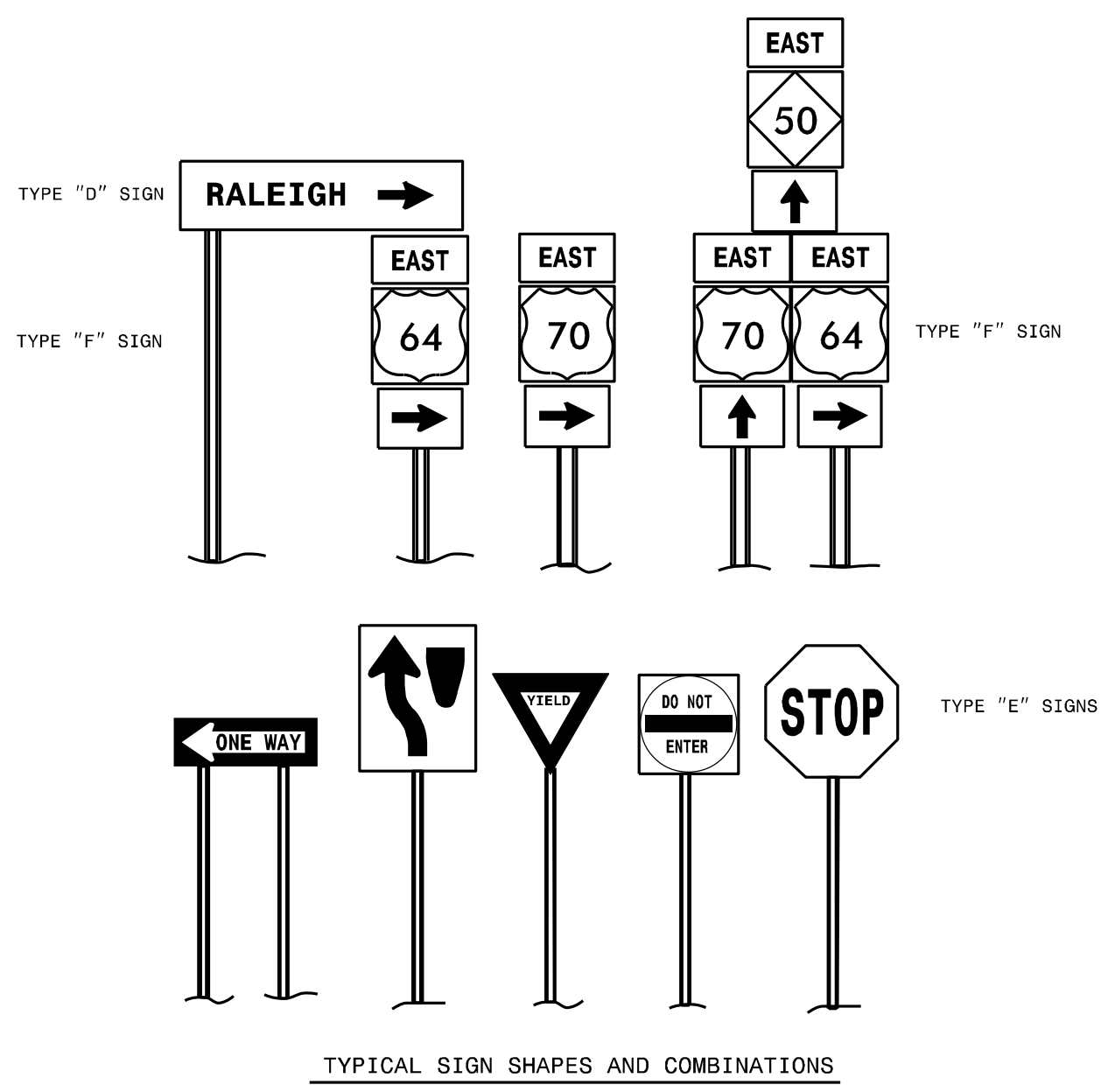
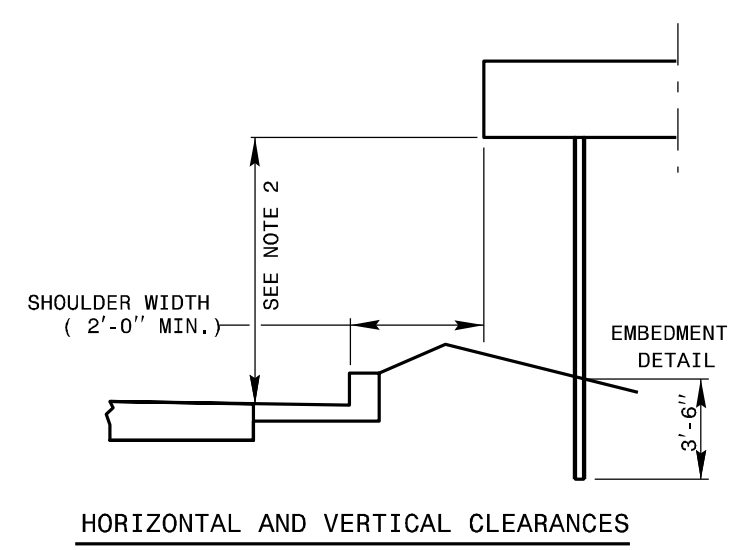
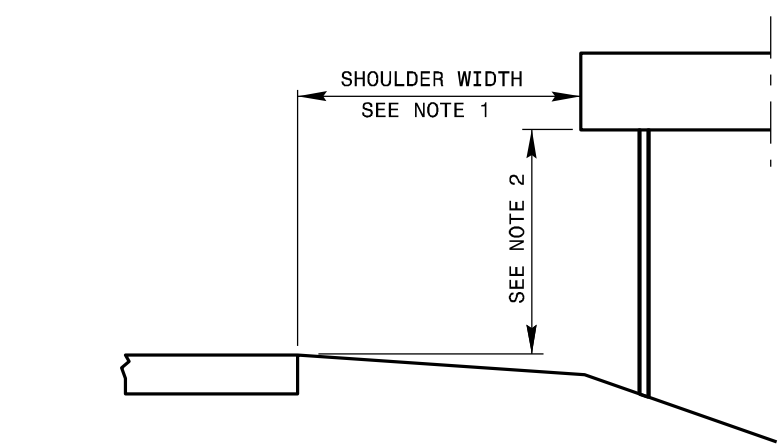
TIP NO.	SHEET NO.
B-5869	DocuSigned by: SIGN-1A
APPROVED:	<i>Matthew V. Springer</i>
DATE:	6/23/2021
SEAL	

STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

6-21

ENGLISH DETAIL DRAWING FOR  
MOUNTING OF  
TYPE 'D', 'E' AND 'F' SIGNS  
ON 'U' CHANNEL POSTS

SHEET 1 OF 2  
904D50



NOTES:

- ERECT TYPE "D", "E", AND "F" SIGNS ON FREEWAYS WITH THE NEAR EDGE OF THE SIGN 20 FT. FROM THE TRAVEL LANE. ERECT ALL OTHER "D", "E", AND "F" SIGNS WITH THE NEAR EDGE OF THE SIGN AT THE EDGE OF THE SHOULDER BREAK (6 FT. MINIMUM CLEARANCE, 12 FT. DESIRABLE, FROM THE EDGE OF TRAVEL LANE), OR AS DIMENSIONED ON PLAN SHEETS.
- ERECT TYPE "D", "E", AND "F" SIGNS WITH THE BOTTOM OF SIGN ASSEMBLY AT LEAST 7 FT. ABOVE THE EDGE OF THE TRAVEL LANE ON ROADS WITH 2 OR MORE LANES IN THE SAME DIRECTION AND AT LEAST 5 FT. ON OTHER ROUTES. THE VERTICAL CLEARANCE IS 7 FT. WHERE REQUIRED FOR PEDESTRIAN TRAFFIC AND/OR PARKED VEHICLES.
- THE VERTICAL DIMENSION BETWEEN MOUNTING HOLE CENTERS ON ALL TYPES "D", "E", AND "F" SIGNS IS 30" MAXIMUM. THE VERTICAL AND HORIZONTAL DIMENSIONS BETWEEN MOUNTING HOLES IS TO THE WHOLE INCH. EACH SIGN PANEL HAS A MINIMUM OF 2 BOLTS PER SUPPORT.
- ATTACH SIGN W/ 5/16" HEX HEAD BOLT, NYLON WASHER, SHIM, FLAT WASHER, LOCK WASHER, HEX NUT. NO BUCKLING OF THE SIGN WILL BE PERMITTED. SEE ASSEMBLY DETAIL SHEET# 2 OF 904.50.
- FURNISH AND INSTALL CROSS-BRACING AS SHOWN IN DETAIL. PAINT ENDS OF CROSS BRACES W/ APPROVED. ZINC PAINT.
- INSTALL POST AND CROSS-BRACING WITH THE WIDE SIDE OF THE FLANGE TOWARD THE BACK OF SIGN(S) FOR COMBINATION TYPE "D" AND "F" SIGNS.
- THE SHIELD HEIGHTS IN THESE ASSEMBLIES CAN NOT BE LARGER THAN 24".
- IF SIGN ASSEMBLIES REQUIRE MORE THAN TWO U-CHANNEL SUPPORTS, THE SUPPORTS SHALL BE PLACED A MINIMUM OF 4 FT. BETWEEN POSTS. NO MORE THAN TWO POSTS SHALL FALL WITHIN 7 FT. PATH, OR THE SIGN ASSEMBLY MUST BE PLACED BEHIND BARRIER PROTECTION.

STATE OF NORTH CAROLINA  
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RALEIGH, N.C.

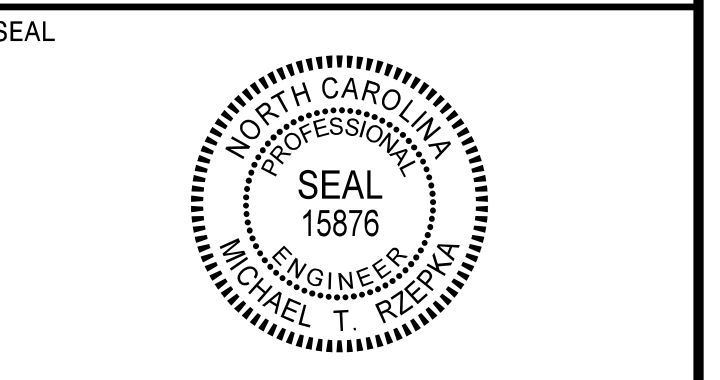
6-21

ENGLISH DETAIL DRAWING FOR  
MOUNTING OF  
TYPE 'D', 'E' AND 'F' SIGNS  
ON 'U' CHANNEL POSTS

SHEET 1 OF 2  
904D50

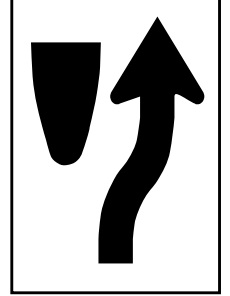
REVISED SIGNING  
ROADWAY STANDARD DRAWING

APPROVED: Michael T. Rzepka  
DATE: 3/27/2023



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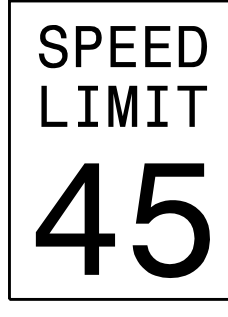
401 QUANTITY REQ'D 2



24" X 30"  
R4-7

ONE "U" POST PER SIGN

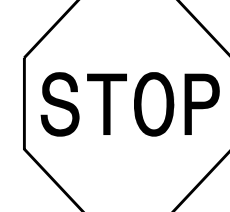
402 QUANTITY REQ'D 1



24" X 30"  
R2-1

ONE "U" POST PER SIGN


403 QUANTITY REQ'D 5



30" X 30"  
R1-1

ONE "U" POST PER SIGN


404 QUANTITY REQ'D 1



R6-1 L  
36" X 12"

ONE "U" POST PER SIGN


405 QUANTITY REQ'D 1



R6-1 R  
36" X 12"

ONE "U" POST PER SIGN


406 QUANTITY REQ'D 1



30" X 30"  
R3-7 L

ONE "U" POST PER SIGN


407 QUANTITY REQ'D 2



30" X 30"  
R5-1

ONE "U" POST PER SIGN


408 QUANTITY REQ'D 2



36" X 24"  
R5-1 A

ONE "U" POST PER SIGN

409 QUANTITY REQ'D 5

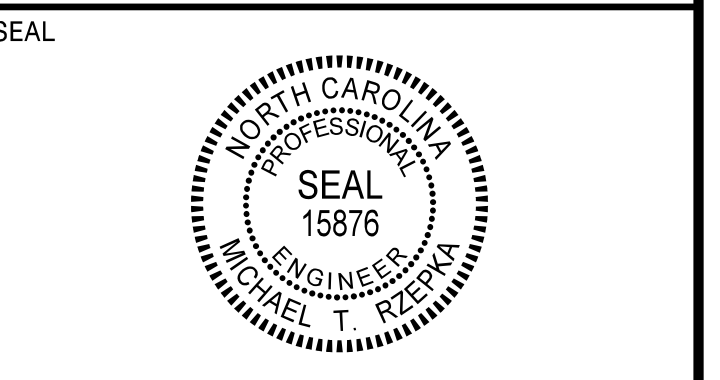


18" X 6"  
R1-3P

**TYPE "E" SIGNS**

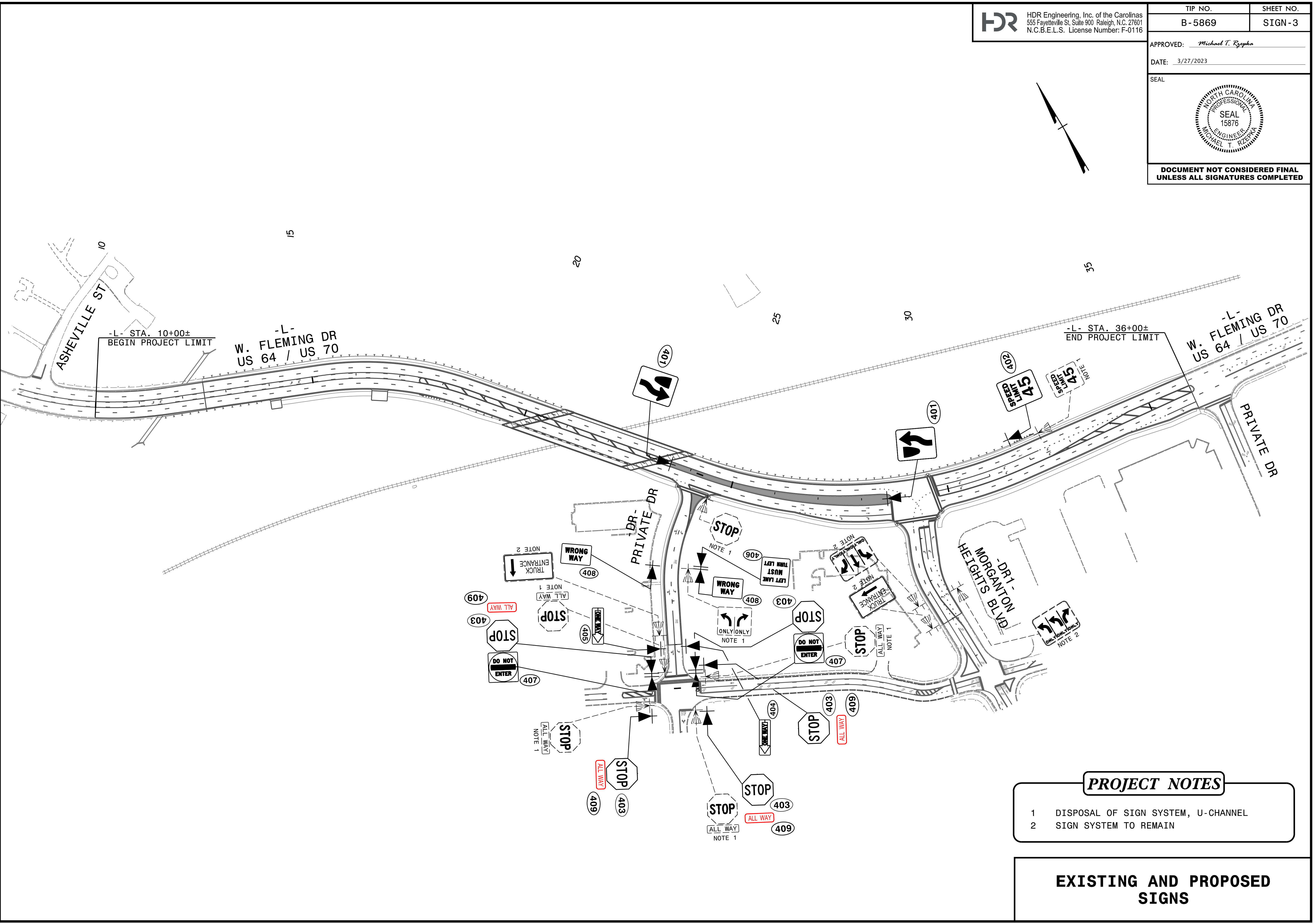
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**PROJECT NOTES**

- DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- SIGN SYSTEM TO REMAIN

**EXISTING AND PROPOSED  
SIGNS**