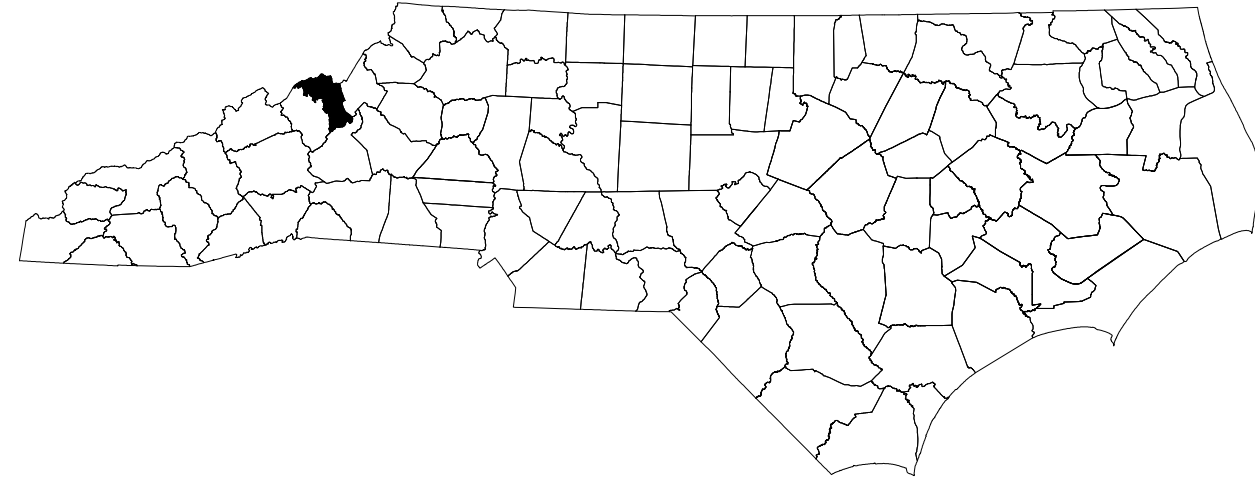


3/20/2023 11:41 AM C:\Users\Bjorn\Documents\Projects\CAD\Signing Layout Plans\B-5893_sgn_tsh.dgn

PROJECT: B-5893
CONTRACT: C204491

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SIGNING PLANS MITCHELL COUNTY



TIP NO. B-5893	SHEET NO. SIGN-1
APPROVED: <u>Eric W Bowman</u> <small>DocuSigned by: Eric W Bowman DADAD3C8B004E...</small>	
DATE: 4/4/2023	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET, INDEX, GENERAL NOTES & ROADWAY STANDARD DRAWINGS
SIGN-2	REVISED SIGNING STANDARD
SIGN-3	EXISTING SIGNING PLAN SHEET
SIGN-4	PROPOSED SIGNING PLAN SHEET

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

- A) SIGNS FURNISHED BY CONTRACTOR.
- B) ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- C) 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.
- D) WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- E) ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- F) WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- G) THE BACKGROUND FOR TYPE 'E' AND 'F' SIGNS SHALL BE TYPE C REFELCTIVE SHEETING.
- H) SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

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 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 (SHEET 2 OF 2)

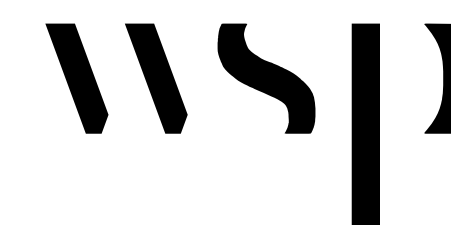
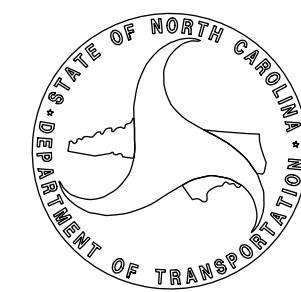
REVISED ROADWAY STANDARD DRAWINGS

THE FOLLOWING REVISED ROADWAY STANDARDS ARE USED ON THIS PROJECT:

STD. NO.	TITLE
904D50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS (SHEET 1 OF 2), SEE SHEET SIGN-1

PLAN SUBMITTED TO: N.C.D.O.T. SIGNING AND DELINEATION UNIT

<u>KELVIN L. JORDAN</u>	SIGNING & DELINEATION REGIONAL ENGINEER
<u>JOSE G. MARTINEZ, PE</u>	SIGNING & DELINEATION PROJECT DESIGN ENGINEER




WSP USA Inc.
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
NC LIC. NO. F-0165

PLAN PREPARED BY:

<u>ERIC W BOWMAN, PE</u>	SR. TRANSPORTATION DESIGNER
<u>SAYMA AFREEN</u>	TRANSPORATION DESIGNER

TIP NO.	SHEET NO.
DocuSigned by:	
APPROVED: <i>Matthew V. Springer</i>	
DATE: 6/23/2023	
SEAL	

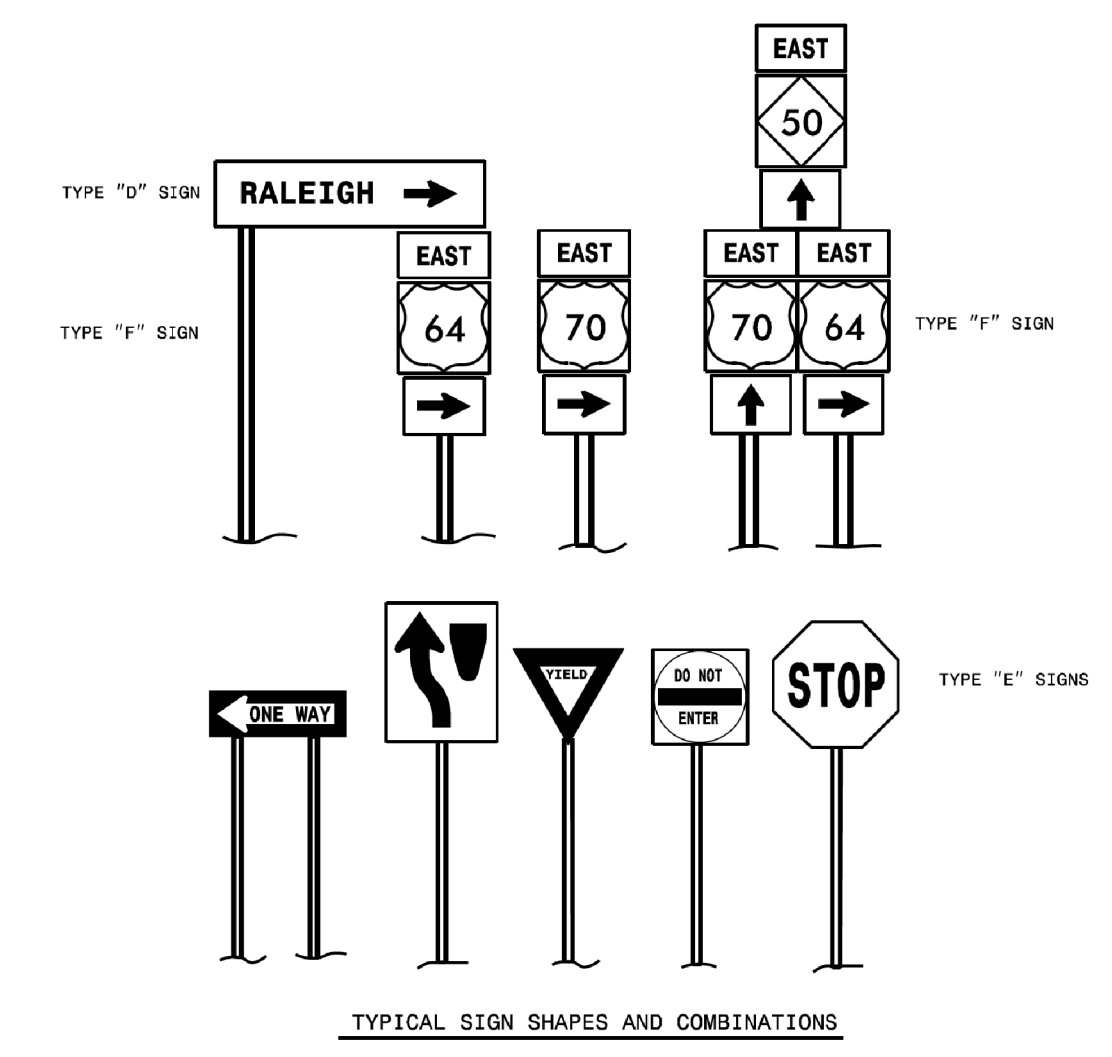
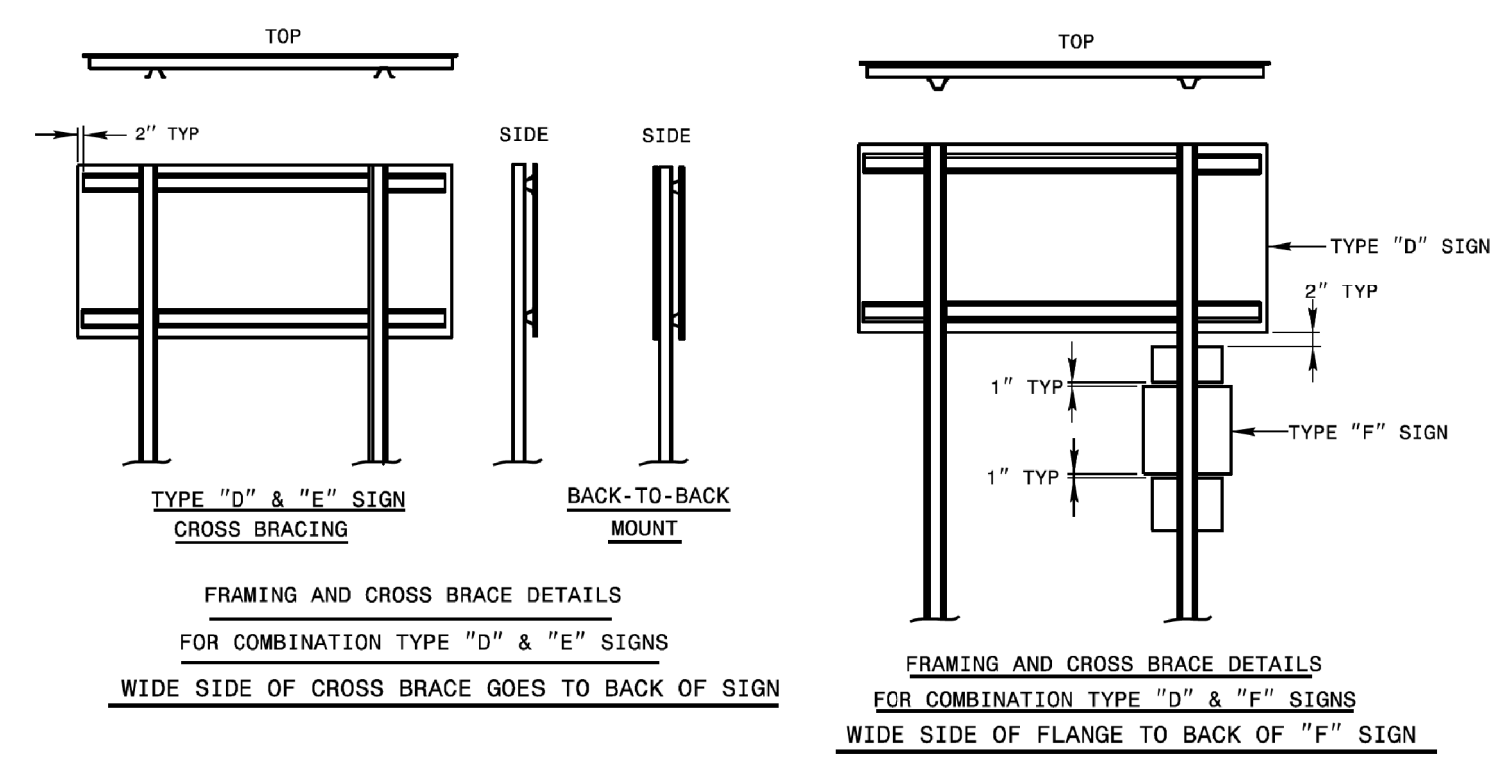
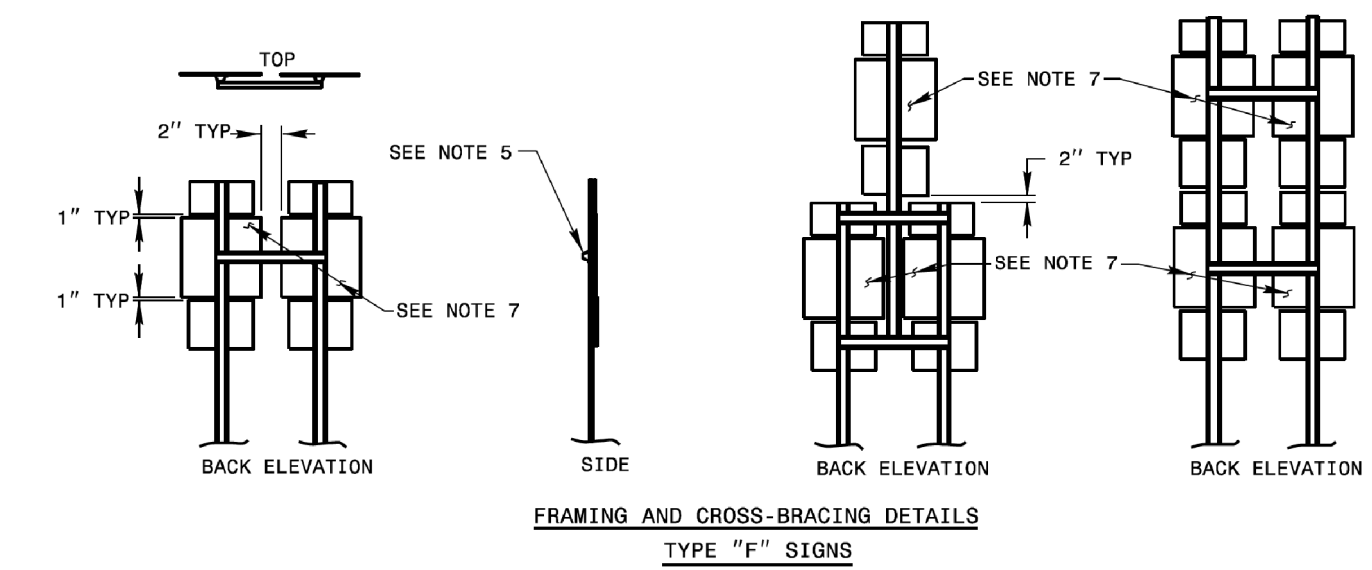
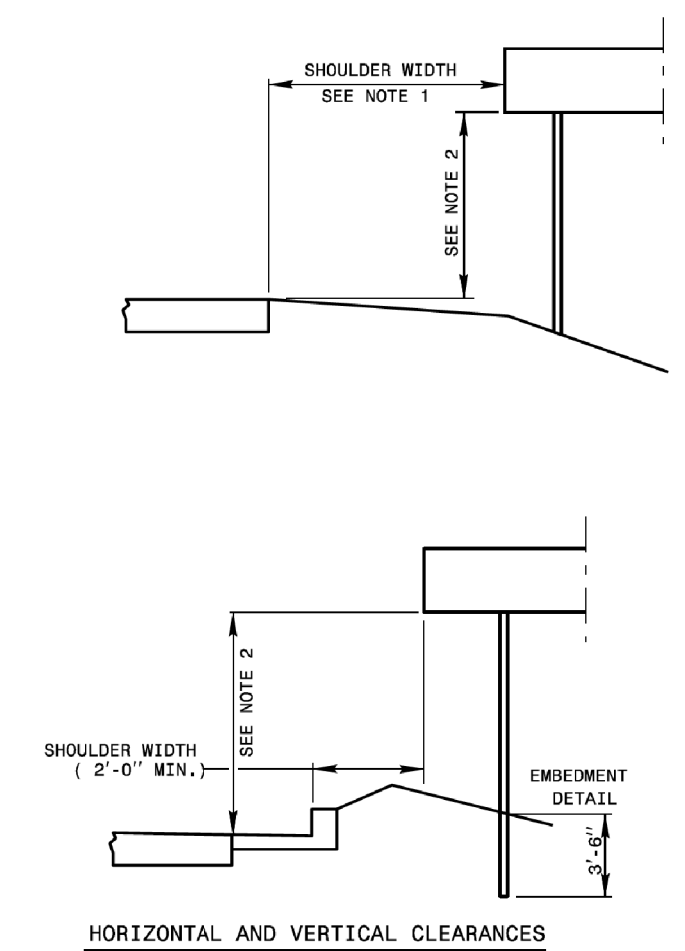


STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

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
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

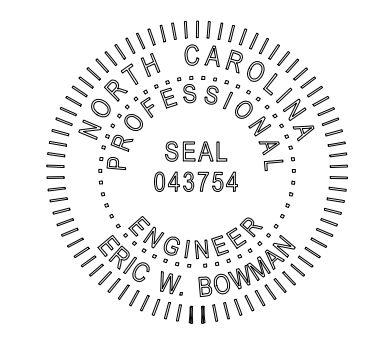
SHEET 1 OF 2
904D50

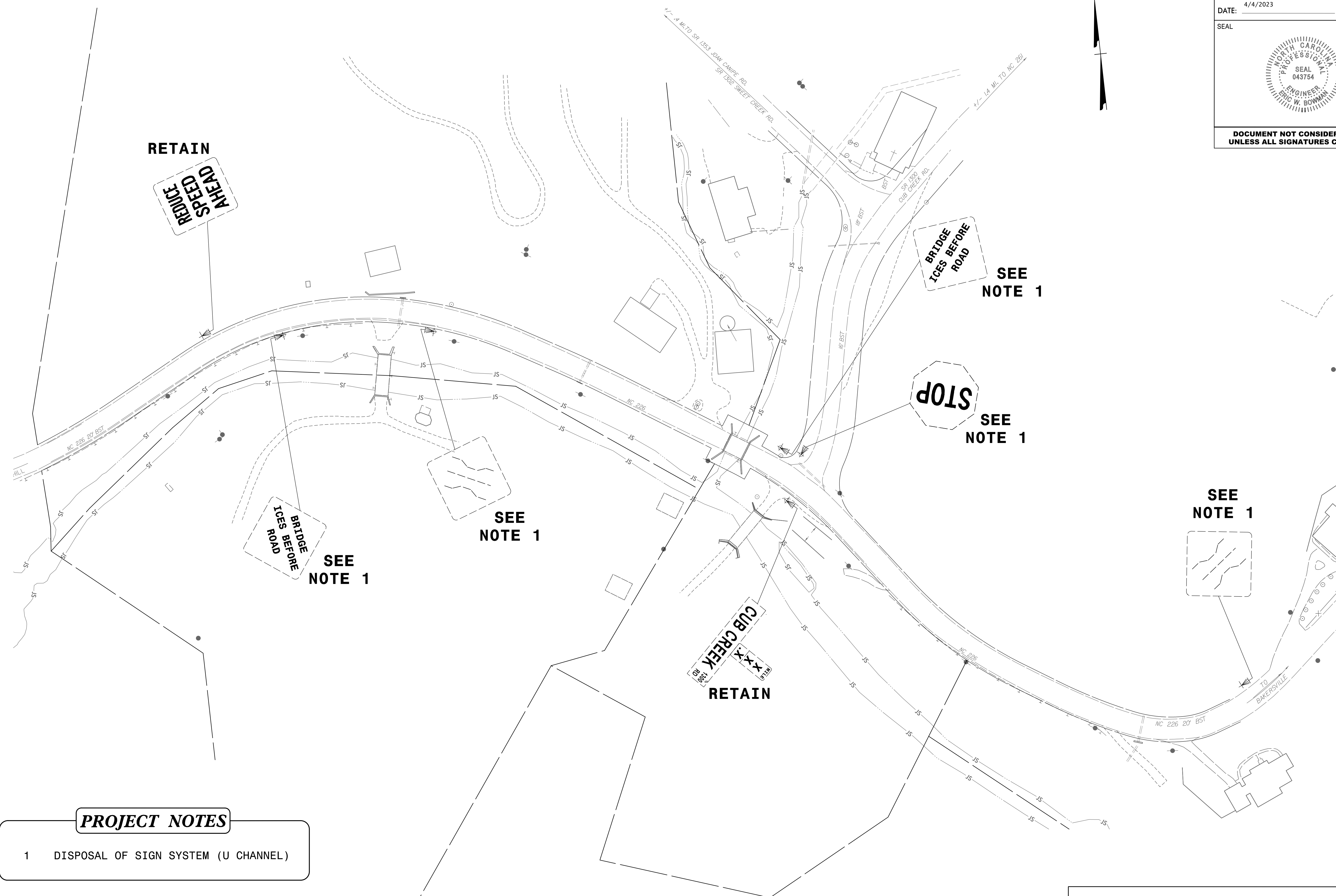
REVISED SIGNING
ROADWAY STANDARD DRAWING

REVISED SIGNING
STANDARD

3/20/2023 2:18:59 PM 14 B-5893 Bridge 19 over Cub Creek Traffic Signing\CADD\Signing Layout Plans\B-5893-sgn-psd 01.dgn
User:dstokes

6/8/2021 5:25:00 PM Standards Group\Standards and Drawings\Drawings\2018 Standard Dwg\Division 9 Final\904.50_sgn_sht10_Luchannel.post_6-21.dgn
User:dstokes

TIP NO. B-5893	SHEET NO. SIGN-3
DESIGNED BY <i>Eric W Bowman</i>	
APPROVED: <i>Eric W Bowman</i> DADA203CAB0246F	
DATE: 4/4/2023	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

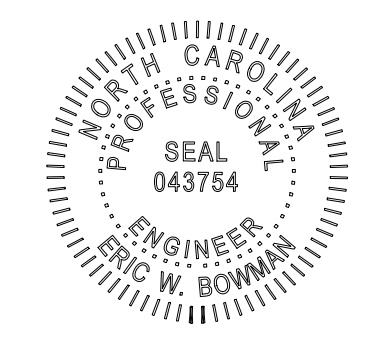



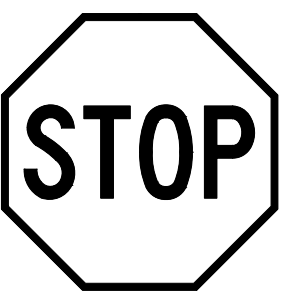
PROJECT NOTES

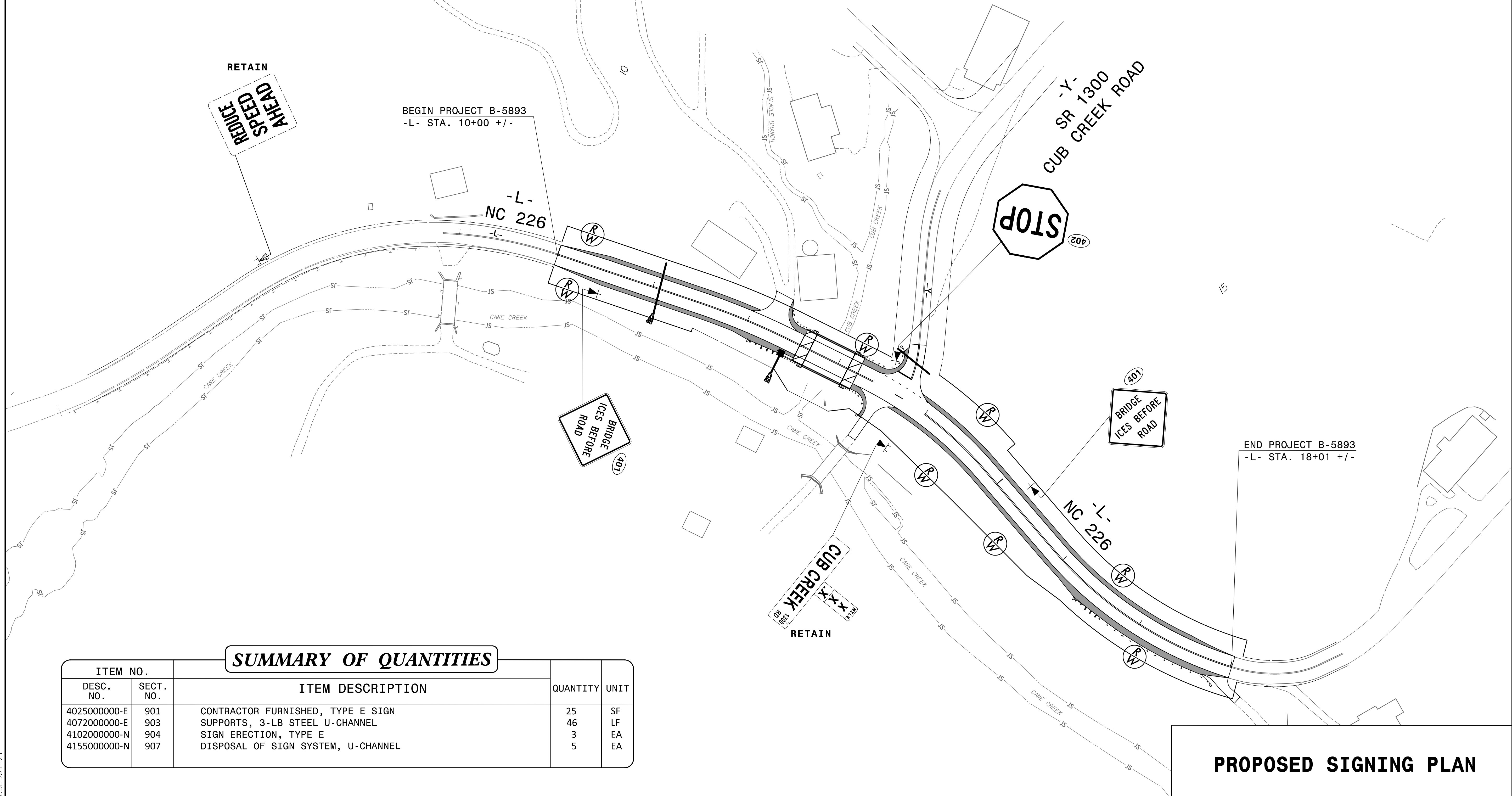
- 1 DISPOSAL OF SIGN SYSTEM (U CHANNEL)

EXISTING SIGNING PLAN

3/20/2023 2:18:59 PM R-14 B-5893 Bridge 19 over Cub Creek Traffic Signing CADD Signing Layout Plans B-5893_sgm_exist.psh 02.dgn USEB04421

TIP NO. B-5893	SHEET NO. SIGN-4
APPROVED: <i>Eric W Bowman</i>	
DATE: 4/4/2023	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

401 QUANTITY REQ'D <u> 2 </u>  <small>WB-13 36" X 36"</small> ONE "U" POST PER SIGN	402 QUANTITY REQ'D <u> 1 </u>  <small>R1-1 30" X 30"</small> ONE "U" POST PER SIGN
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SUMMARY OF QUANTITIES

ITEM NO.	DESC. NO.	SECT. NO.	ITEM DESCRIPTION	QUANTITY	UNIT
	4025000000-E	901	CONTRACTOR FURNISHED, TYPE E SIGN	25	SF
	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	46	LF
	4102000000-N	904	SIGN ERECTION, TYPE E	3	EA
	4155000000-N	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	5	EA

PROPOSED SIGNING PLAN

3/20/2023 2:18:59 PM R-14 B-5893 Bridge 19 over Cub Creek Traffic Signing CADD Signing Layout Plans\B-5893_sgm_PROP_psh_03.dgn
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