

02/05/24
X:\NCDOT\U-6020-Traffic\Signing\CADD\Signing Layout Plans\250_003_U-6020_Sgn_SGN_01(Tsh).dgn
User: tbranner

T.I.P.: U-6020

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
GRANVILLE COUNTY

LOCATION: REALIGNMENT OF SR 1215 (WEST LYON
STATION ROAD) AT NC 56 (EAST C STREET) IN BUTNER

TIP NO.
U-6020

SHEET NO.
SIGN-1

DocuSigned by:
Clifton Register
8DAF8BCB943E4F8
APPROVED: DATE: 4/26/2024 | 8:45 AM EDT

SEAL


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PAY ITEM NOTES

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SUPPORT, WOOD
- 3 DISPOSAL OF SUPPORT, U-CHANNEL
- 4 RELOCATE SIGN ON NEW SUPPORTS

GENERAL NOTES

- . SIGNS FURNISHED BY CONTRACTOR
- . 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.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	168	SF
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN	75	SF
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	375	LF
4082000000	903	SUPPORTS, WOOD	15	LF
4102000000	904	SIGN ERECTION, TYPE E	18	EA
4108000000	904	SIGN ERECTION, TYPE F	4	EA
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)	4	EA
4141000000	907	DISPOSAL OF SUPPORT, WOOD	1	EA
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	13	EA
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	4	EA
4957000000	1264	OBJECT MARKERS (TYPE 1-3)	3	EA

ROADWAY STANDARD DRAWING

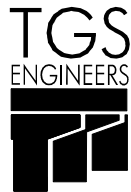
THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.50	ARROWS AND SHIELDS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLTION

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	TYPE E & F SIGNS
SIGN-3 & SIGN-4	SPECIAL SIGN DESIGN
SIGN-5 & SIGN-6	SIGNING PLAN SHEETS

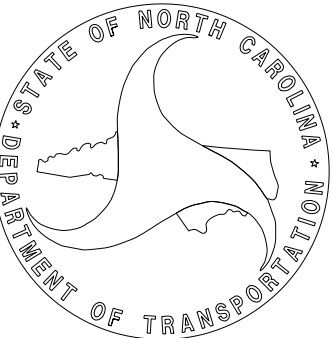
PLAN PREPARED FOR N.C.D.O.T. BY:



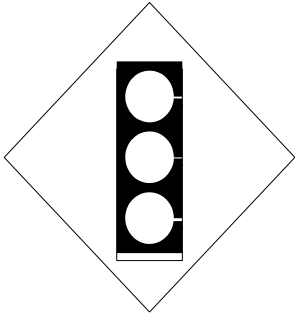
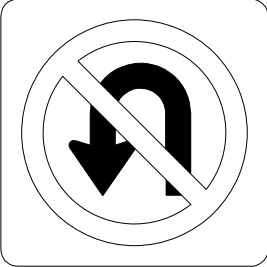
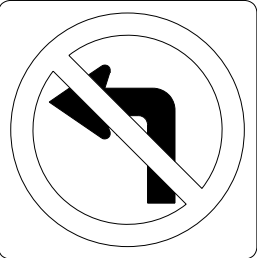
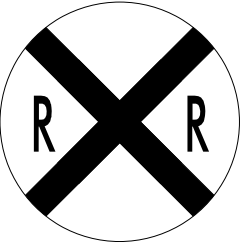
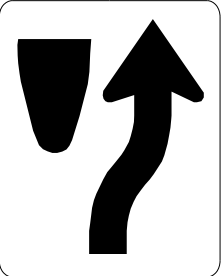
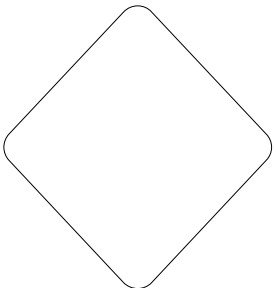
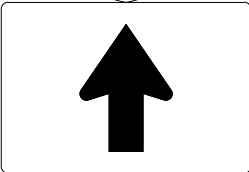
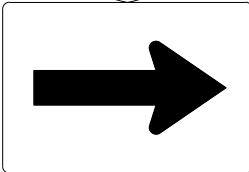
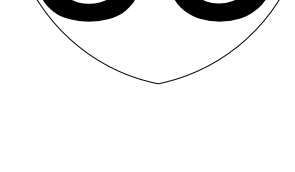
TGS ENGINEERS
706 HILLSBOROUGH ST.
SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO. : C-0275

TOMMY REGISTER, PEPROJECT ENGINEER

PAUL SCHULKEN, PEDSIGN TECHNICIAN



02/05/24
X:\NCDOT\U-6020-Traffic\Signing\CADD\Signing Layout Plans\250_006_U-6020_Sgn_SGN_02(T)ype_E&F.dgn
User: jbranner

TYPE "E"	401 QUANTITY REQ'D 2  30 X 36 R2-1 ONE "U" POST PER SIGN	402 QUANTITY REQ'D 3  36 X 36 R1-1 ONE "U" POST PER SIGN	403 QUANTITY REQ'D 2  30 X 30 W3-3 ONE "U" POST PER SIGN	404 QUANTITY REQ'D 1  36 X 36 R3-4 ONE "U" POST PER SIGN	TIP NO. U-6020 SHEET NO. SIGN-2 DocuSigned by: Chifton Register 8DAF86CB842E4F8... APPROVED: DATE: 4/26/2024 8:45 AM EDT SEAL  DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED TGS ENGINEERS 708 HILLSBOROUGH ST. SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275
	405 QUANTITY REQ'D 3  36 X 36 R3-2 ONE "U" POST PER SIGN	406 QUANTITY REQ'D 2  36 DIA. W10-1 ONE "U" POST PER SIGN	407 QUANTITY REQ'D 2  36 X 36 R3-7 ONE "U" POST PER SIGN	408 QUANTITY REQ'D 3  24 X 30 R4-7 ONE "U" POST PER SIGN	
	411 QUANTITY REQ'D 3  18 X 18 OM1-3 MOUNT UNDER SIGN 408 IN 3 INSTALLTIONS				
	501 QUANTITY REQ'D 1 NORTH INTERSTATE 85  30 X 21 M6-3 36 X 18 M3-1 36 X 36 M1-1 ONE "U" POST PER SIGN	502 QUANTITY REQ'D 1 SOUTH INTERSTATE 85  30 X 21 M6-1 36 X 18 M3-3 36 X 36 M1-1 ONE "U" POST PER SIGN	503 QUANTITY REQ'D 1 JCT INTERSTATE 85  30 X 21 M2-1 30 X 21 M2-1 36 X 36 M1-1 ONE "U" POST PER SIGN	504 QUANTITY REQ'D 2 WEST  36 X 18 M3-4 36 X 36 M1-5 ONE "U" POST PER SIGN MOUNT UNDER SIGN 403 IN ONE INSTALLATION	TYPE "E" & "F" SIGNS

SIGN NUMBER: 409

TYPE: E

QUANTITY: 4

SIGN WIDTH: 2'-0"

HEIGHT: 2'-6"

TOTAL AREA: 5.0 Sq.Ft.

BORDER TYPE: FLUSH

RECESS: 0.375"

WIDTH: 0.625"

RADII: 1.5"

NO. Z BARS:

LENGTH:

BACKG COLOR: White

COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.063" (1.6 mm) ALUMINUM

DESIGN BY: PAS

PROJECT ID: U-6020

CHECKED BY:

LOCATION: GRANVILLE COUNTY

Feb 15, 2019

DIV: 5

2'-0"

2'-6"

4.3"

5"C

3.2"

5"C

3.2"

5"C

4.3"

1.65"

20.7"

1.65"

TRUCKS
AND
BUSES

BORDER
R=1.5"
TH=0.625"
IN=0.375"

Panel Style: R3-3.ssi
M.U.T.C.D.: 2009 Edition
Spacing Factor is 1 unless specified otherwise

USE NOTES:

1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter locations are panel edge to lower left corner																									Series/Size Text Length		
T	R	U	C	K	S																					C 2000 20.7	
1.7	4.9	8.6	12.4	16.2	19.6																						
A	N	D																									C 2000 10.6
6.7	10.6	14.5																									
B	U	S	E	S																							C 2000 16.9
3.6	7.2	10.9	14.5	17.7																							

FILENAME: 250_009_U-6020_Sgn_SGN_03(SD)

NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED

DATE: 4/26/2024 | 8:45 AM EDT

SEAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DESIGNED BY:
Clifton Register
8DAF86C8B42E4F8..

PROFESSIONAL
SEAL
028392
ENGINEER
CLIFTON T. REGISTER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

SPECIAL SIGN DESIGN

02/05/24
X:\NC001\U-6020\Traffic\Signing\CADD\Signing Layout Plans\250_009_U-6020_Sgn_SGN_03(SD).dgn
User: tbrannan

TGS ENGINEERS
706 HILLSBOROUGH ST. SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

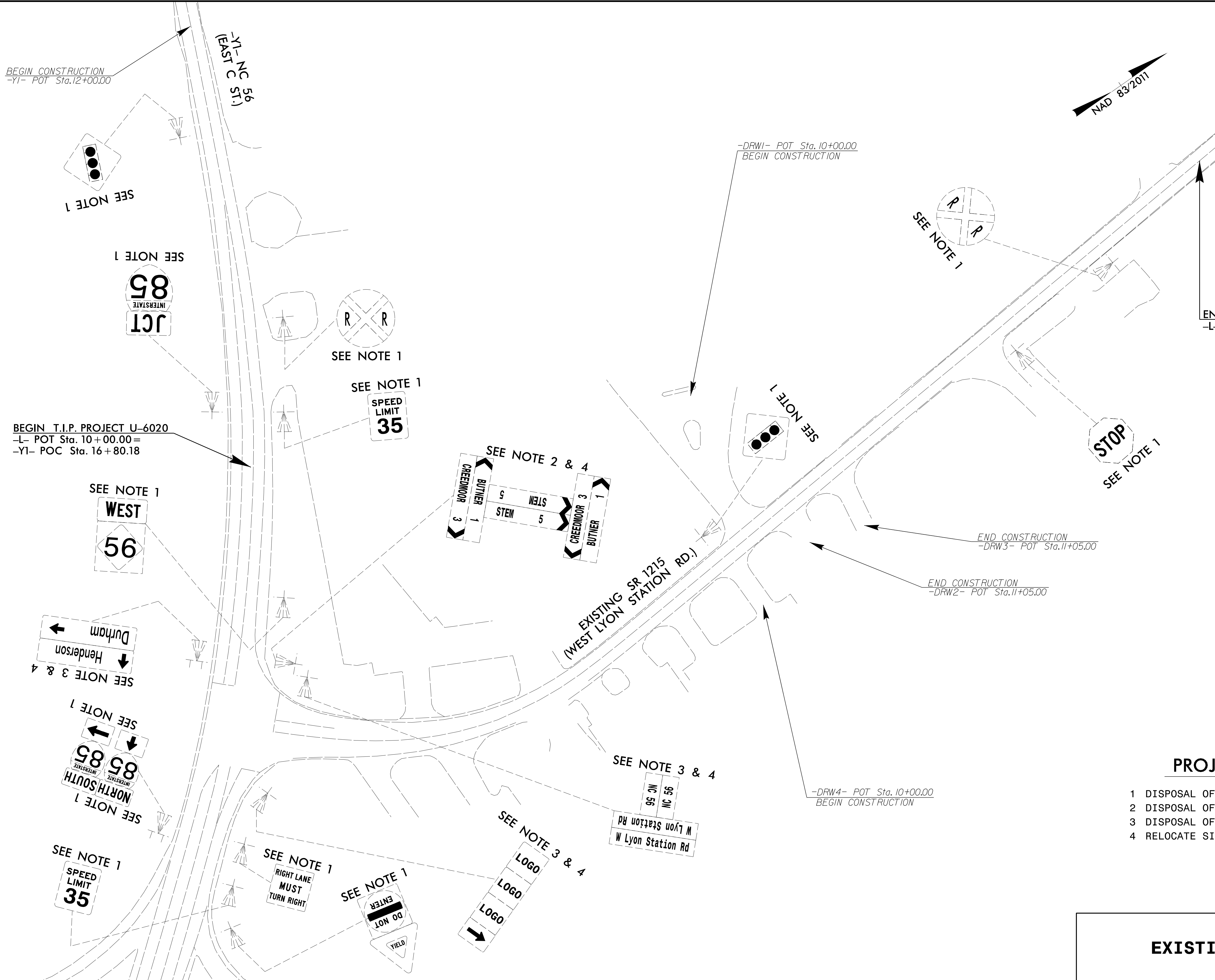
Letter locations are panel edge to lower left corner																										Series/Size Text Length	
	W		L	y	o	n																					C 2000
	2.5	6.3	9.4	12.2	15.7	19																					19.1
	S	t	a	t	i	o	n		R	d																	C 2000
	1	3.9	5.8	8.3	10.3	11.2	14	16.5	17.5	20.5																	22

FILENAME: 250_009_U-6020_Sgn_SGN_04(SD)
NORTH CAROLINA D.O.T. SIGN DETAIL

DESIGNED BY: <i>Clifton Register</i>			SPECIAL SIGN DESIGN
APPROVED:	<i>Clifton Register</i>		
DATE:	4/26/2024 8:45 AM EDT		
SEAL			
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02/05/24
U:\NCADOT\U-6020\Traffic\Signing\CADD\Signing Layout Plans\250.018_U-6020_Sgn_SGN_06.dgn
User:brannan



TIP NO.	SHEET NO.
U-6020	SIGN-6
Designed by: <i>Clifton Register</i>	
APPROVED: _____	
DATE: 4/26/2024 8:45 AM EDT	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 706 HILLSBOROUGH ST. SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

END T.I.P. PROJECT U-6020
-L- POT Sta. 21+25.00

PROJECT NOTES

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SUPPORT, WOOD
- 3 DISPOSAL OF SUPPORT, U-CHANNEL
- 4 RELOCATE SIGN ON NEW SUPPORTS

EXISTING SIGNS