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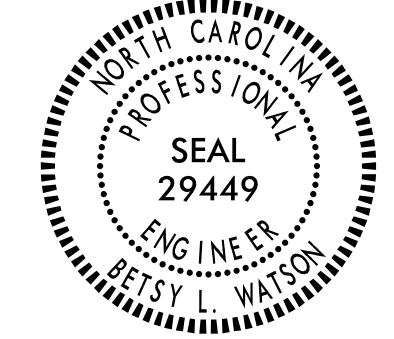
T.I.P.: U-5604

CONTRACT NO.: DN00558

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
MACON COUNTY**

**LOCATION: US 441 BUSINESS FROM US 23/64/441 TO PORTER ST. INTERSECTION  
IMPROVEMENTS AT WOMACK ST, MAPLE ST, PORTER ST, AND DEPOT ST**

<b>TIP NO.</b> U-5604	<b>SHEET NO.</b> SIGN-1
APPROVED: <u>Betsy L. Watson</u> <small>DESIGNED BY</small>	
DATE: 3/28/2018	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

**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 SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

**ROADWAY STANDARD DRAWINGS**

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
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
910.20	SIGNING SCHOOL ZONE WITH MARKED CROSSWALK
910.40	ROUNDBABOUT SIGNING WITH PEDESTRIANS
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

**SUMMARY OF QUANTITIES**

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3-LB STEEL U-CHANNEL.....	1,715	LF
4096000000	904	SIGN ERECTION, TYPE D.....	15	EA
4102000000	904	SIGN ERECTION, TYPE E.....	131	EA
4108000000	904	SIGN ERECTION, TYPE F.....	12	EA
4116100000	904	SIGN ERECTION, RELOCATE TYPE B (GROUND MOUNTED).....	5	EA
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL.....	40	EA
4360000000	SP	DISPOSAL OF FLASHER SYSTEM.....	1	EA
4957000000	1264	OBJECT MARKERS (TYPE 1).....	13	EA
4915000000	1264	7' U-CHANNEL POSTS.....	11	EA

**INDEX**

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2-2B	TYPE 'D' SIGNS
SIGN-3	TYPE 'E' SIGNS
SIGN-3A	TYPE 'F' SIGNS
SIGN-4-9	SIGNING PLAN SHEETS

**PLAN PREPARED BY:**

**BETSY L. WATSON, P.E.** SENIOR TRANSPORTATION ENGINEER  
**ROSI R. HENNEIN** TRANSPORTATION DESIGNER



Stantec Consulting Services Inc.  
801 Jones Franklin Road  
Suite 300  
Raleigh, NC 27606  
Tel. (919) 851-6866  
Fax. (919) 851-7024  
www.stantec.com  
License No. F-0672





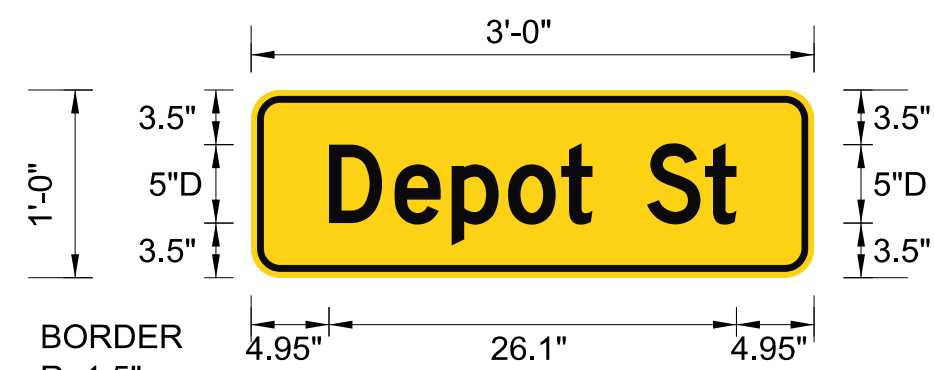
SIGN NUMBER: 312,313  
 TYPE: D  
 QUANTITY: 2  
 SIGN WIDTH: 36"  
 HEIGHT: 12"  
 TOTAL AREA: 3.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RADIUS: 1.5"  
 WIDTH: 0.44"  
 RECESS: 0.38"  
 NO. Z BARS:  
 LENGTH:

BACKG COLOR: Yellow  
 COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0MM) ALUMINUM

DESIGN BY: RRH CHECKED BY: BLW DATE: Aug 22, 2017  
 PROJECT ID: U-5604 DIV: 14



BORDER R=1.5" TH=0.44" IN=0.38"  
 MOUNT BELOW SIGN 406 IN 2 INSTALLATIONS

Spacing Factor is 1 unless specified otherwise

USE NOTES

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size Text Length
D	e	p	o	t	S	t				D 2000
5	4.2	3.6	3.6	3.4	2	3.5	3.7	2	5	26

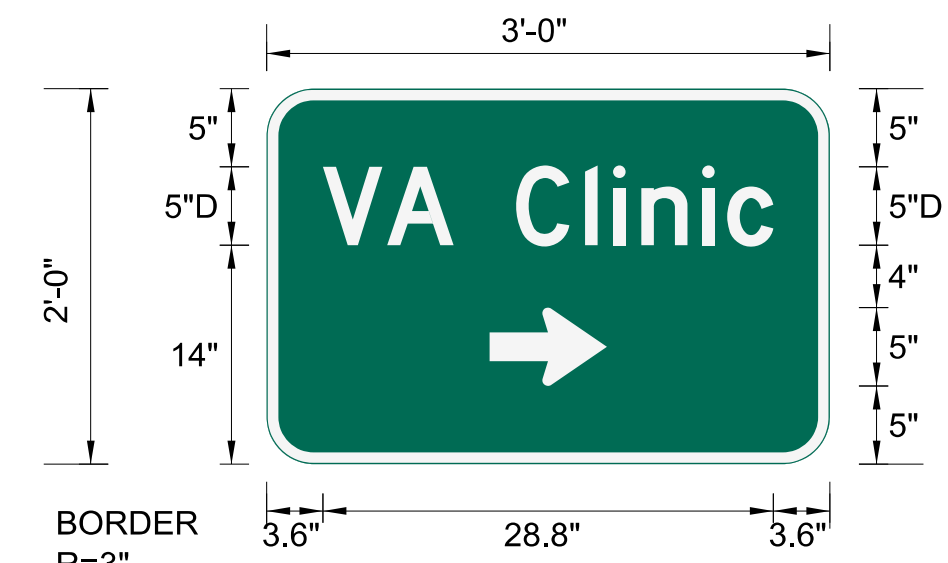
SIGN NUMBER: 315  
 TYPE: D  
 QUANTITY: 1  
 SIGN WIDTH: 36"  
 HEIGHT: 24"  
 TOTAL AREA: 6.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RADIUS: 3"  
 WIDTH: 0.75"  
 RECESS: 0"  
 NO. Z BARS:  
 LENGTH:

BACKG COLOR: Green  
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	14.3	5	5	7.5

MAT'L: 0.080" (2.0MM) ALUMINUM

DESIGN BY: RRH CHECKED BY: BLW DATE: Aug 22, 2017  
 PROJECT ID: U-5604 DIV: 14



BORDER R=3" TH=0.75"  
 MOUNT ON ONE U-POST

Spacing Factor is 1 unless specified otherwise

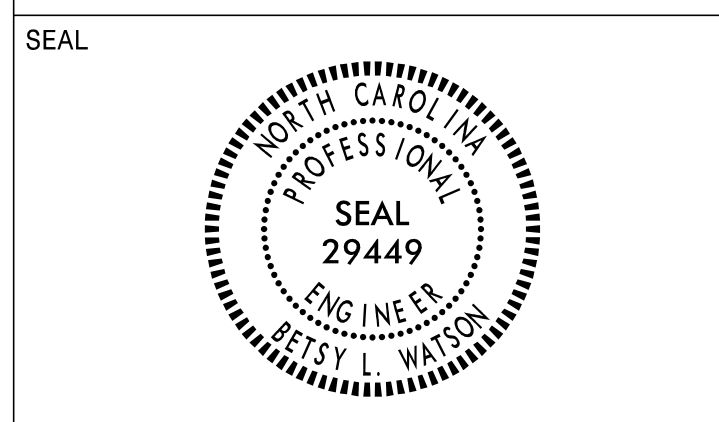
USE NOTES

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

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size Text Length	
V	A	C	l	i	n	i	c			D 2000	
3.6	4.1	4.3	4	4.4	1.8	1.8	3.9	1.6	3	3.6	28.9

APPROVED: *Betsy L. Watson*  
 DATE: 3/28/2018



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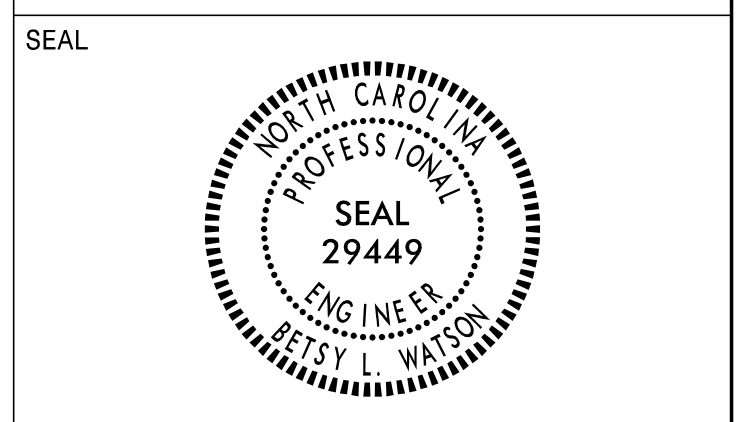


\$\$\$\$\$SYTIME\$\$\$\$\$  
 \$\$\$\$\$\$DGN\$\$\$\$\$  
 \$\$\$\$USERNAME\$\$\$\$\$

TYPE 'D' SIGNS

APPROVED: *Betsy L. Watson*

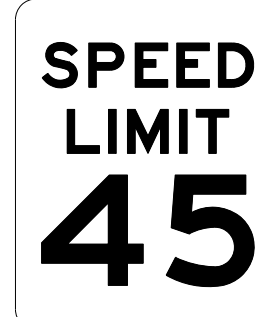
DATE: 3/28/2018



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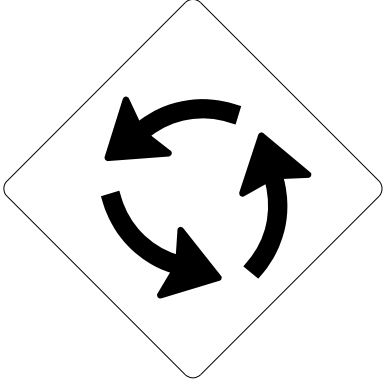
401 QUANTITY REQ'D 1



30 X 36  
R2-1

ONE "U" POST PER SIGN


406 QUANTITY REQ'D 8



36 X 36  
W2-6

ONE "U" POST PER SIGN

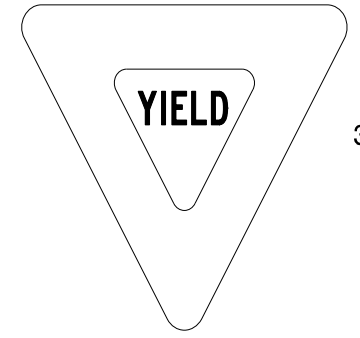
411 QUANTITY REQ'D 3



36 X 12  
R6-1R

ONE "U" POST PER SIGN


416 QUANTITY REQ'D 15



36 X 36 X 36  
R1-2

ONE "U" POST PER SIGN

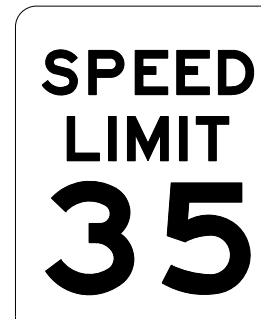
421 QUANTITY REQ'D 1



36 X 36  
S1-1

ONE "U" POST PER SIGN

402 QUANTITY REQ'D 1




30 X 36  
R2-1

MOUNT BELOW SIGN 413  
IN 1 INSTALLATION

ONE "U" POST PER SIGN

407 QUANTITY REQ'D 2




36 X 36  
R5-1

ONE "U" POST PER SIGN

412 QUANTITY REQ'D 8

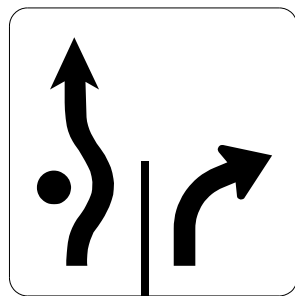
FLUORESCENT YELLOW/GREEN



36 X 36  
S1-1

MOUNT BEHIND SIGN 421  
IN 1 INSTALLATION  
MOUNT ON WOOD POLE  
IN 1 INSTALLATION  
ONE "U" POST PER SIGN


417 QUANTITY REQ'D 1



36 X 36  
R3-8

ONE "U" POST PER SIGN

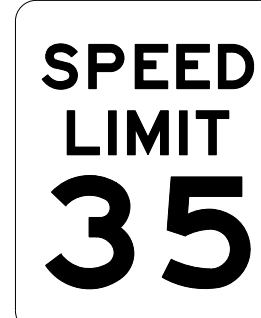
422 QUANTITY REQ'D 2



24 X 24  
R5-2

ONE "U" POST PER SIGN

403 QUANTITY REQ'D 7




24 X 30  
R2-1

ONE "U" POST PER SIGN

408 QUANTITY REQ'D 26

FLUORESCENT YELLOW/GREEN




36 X 36  
W11-2

ONE "U" POST PER SIGN

413 QUANTITY REQ'D 2


FLUORESCENT YELLOW/GREEN



24 X 12  
W16-9P

MOUNT BELOW SIGN 412  
IN 2 INSTALLATIONS

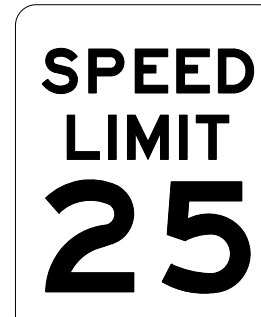
418 QUANTITY REQ'D 12



30 X 24  
R6-4

ONE "U" POST PER SIGN

404 QUANTITY REQ'D 3

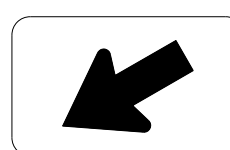


24 X 30  
R2-1

ONE "U" POST PER SIGN

409 QUANTITY REQ'D 31

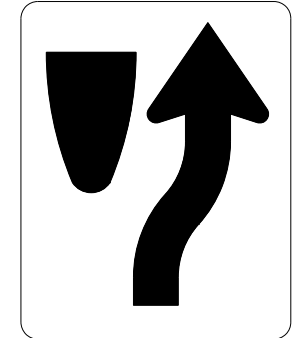
FLUORESCENT YELLOW/GREEN



24 X 12  
W16-7P

MOUNT BELOW SIGN 408  
IN 26 INSTALLATIONS  
MOUNT BELOW SIGN 412  
IN 5 INSTALLATIONS

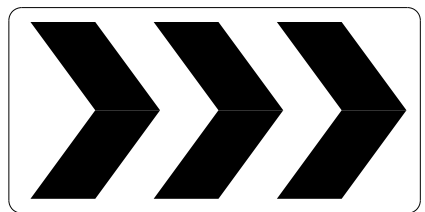
414 QUANTITY REQ'D 2



24 X 30  
R4-7

ONE "U" POST PER SIGN

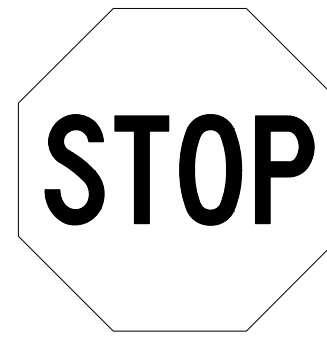
419 QUANTITY REQ'D 1



48 X 24  
R6-4a

TWO "U" POST PER SIGN

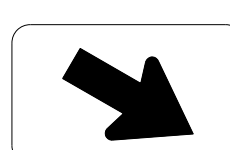
405 QUANTITY REQ'D 3



36 X 36  
R1-1

ONE "U" POST PER SIGN

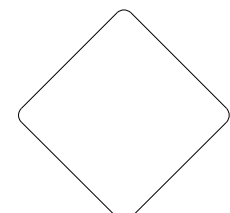
410 QUANTITY REQ'D 1



24 X 12  
W16-7P

MOUNT BELOW SIGN 421  
IN 1 INSTALLATION


415 QUANTITY REQ'D 13



18 X 18  
OM1-3

MOUNT BELOW SIGN 414  
IN 2 INSTALLATIONS

420 QUANTITY REQ'D 1



36 X 36  
R3-7L

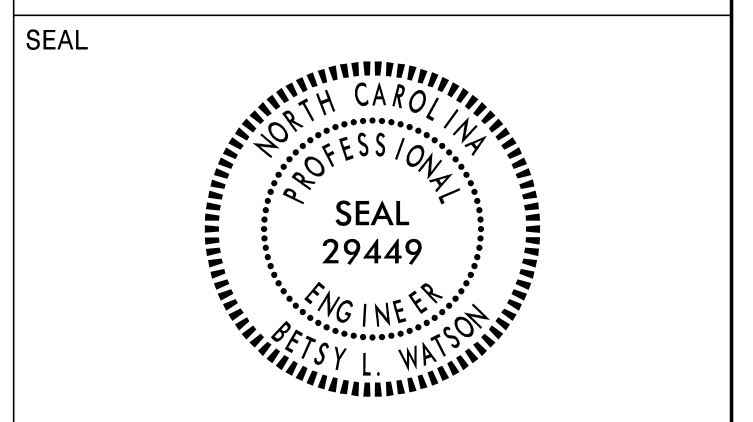
ONE "U" POST PER SIGN

TYPE 'E' SIGNS

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DGN\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$

APPROVED: *Patsy L. Watson*

DATE: 3/28/2018



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UNLESS ALL SIGNATURES COMPLETED



501 504

**NORTH** 1 - 24 X 12

**BUSINESS** 1 - 24 X 12

**441** 1 - 30 X 24

 1 - 21 X 15

ONE "U" POST PER SIGN

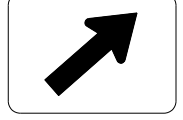
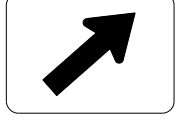
509

**NORTH** 1 - 24 X 12

**BUSINESS** 1 - 24 X 12

**441** 1 - 30 X 24

**H** 1 - 24 X 24 D9-2

  2 - 21 X 15

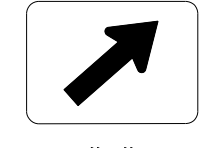
TWO "U" POSTS PER SIGN

502 507 508

**SOUTH** 1 - 24 X 12

**BUSINESS** 1 - 24 X 12

**441** 1 - 30 X 24

 1 - 21 X 15

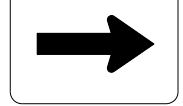
ONE "U" POST PER SIGN

510

**SOUTH** 1 - 24 X 12

**BUSINESS** 1 - 24 X 12

**441** 1 - 30 X 24

 1 - 21 X 15



MOUNT BELOW SIGN 311  
IN 1 INSTALLATION

503

**EAST** 1 - 24 X 12

**23** 2 - 24 X 24



**64** 2 - 24 X 24

  2 - 21 X 15

**WEST** 1 - 24 X 12

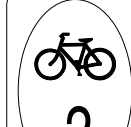
**441** 1 - 30 X 24

**64** 1 - 24 X 24


  2 - 21 X 15

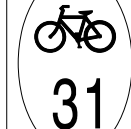
TWO "U" POSTS PER SIGN

511


 1 - 18 X 24 M1-8

**2** 1 - 21 X 15 WHITE ON GREEN

 1 - 21 X 15 WHITE ON GREEN

 1 - 18 X 24 M1-8

**31** 1 - 21 X 15 WHITE ON GREEN

 1 - 21 X 15 WHITE ON GREEN

ONE "U" POST PER SIGN



505

**NORTH** 1 - 24 X 12

**BUSINESS** 1 - 24 X 12


**441** 1 - 30 X 24

**H** 1 - 24 X 24 D9-2


  2 - 21 X 15

MOUNT BELOW SIGN 305  
IN 1 INSTALLATION

512


 1 - 18 X 24 M1-8

**2** 1 - 21 X 15 WHITE ON GREEN

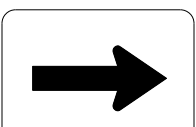
 1 - 21 X 15 WHITE ON GREEN

MOUNT BELOW SIGN 315  
IN 1 INSTALLATION

506

 1 - 18 X 24 M1-8

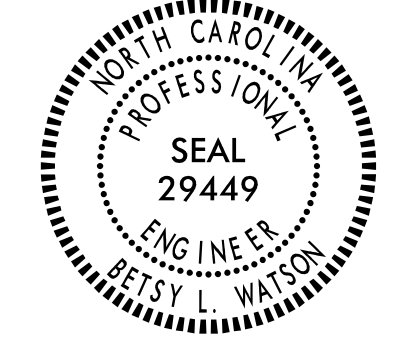

**31** 1 - 18 X 24 M1-8

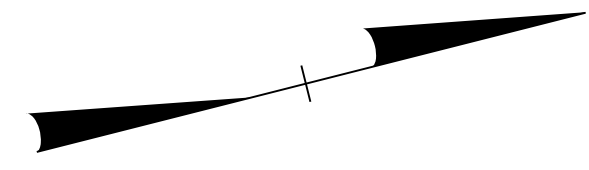
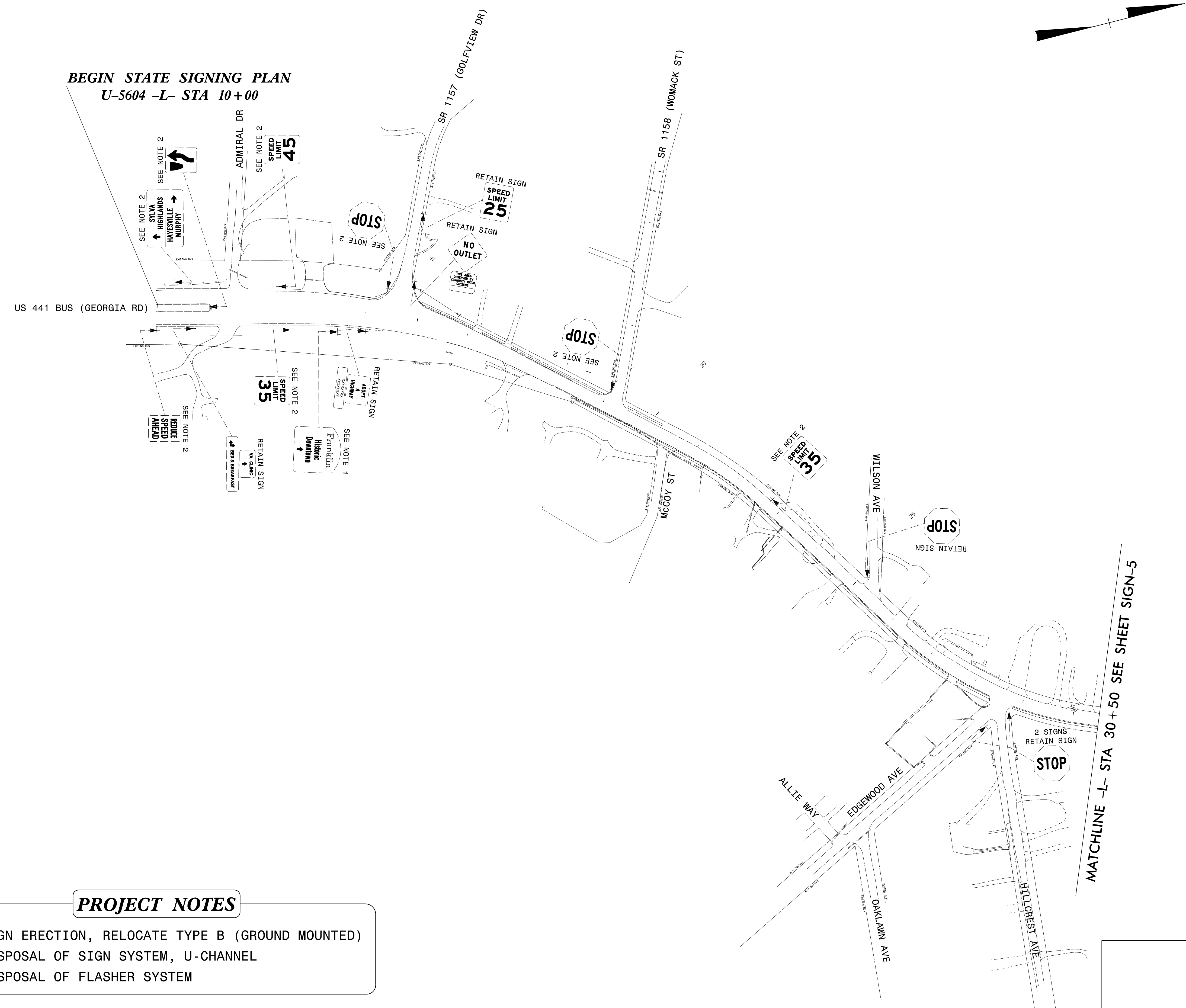
 1 - 21 X 15 WHITE ON GREEN

ONE "U" POST PER SIGN

\$\$\$\$\$SYSTEMTIME\$\$\$\$\$  
\$\$\$\$\$DGN\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$

TYPE 'F' SIGNS

TIP NO. U-5604	SHEET NO. SIGN-4
APPROVED: <i>Betsy L. Watson</i>	
DATE: 3/28/2018	
SEAL	
	
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**BEGIN STATE SIGNING PLAN**  
U-5604 -L- STA 10+00

- PROJECT NOTES**
- 1 SIGN ERECTION, RELOCATE TYPE B (GROUND MOUNTED)
  - 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
  - 3 DISPOSAL OF FLASHER SYSTEM

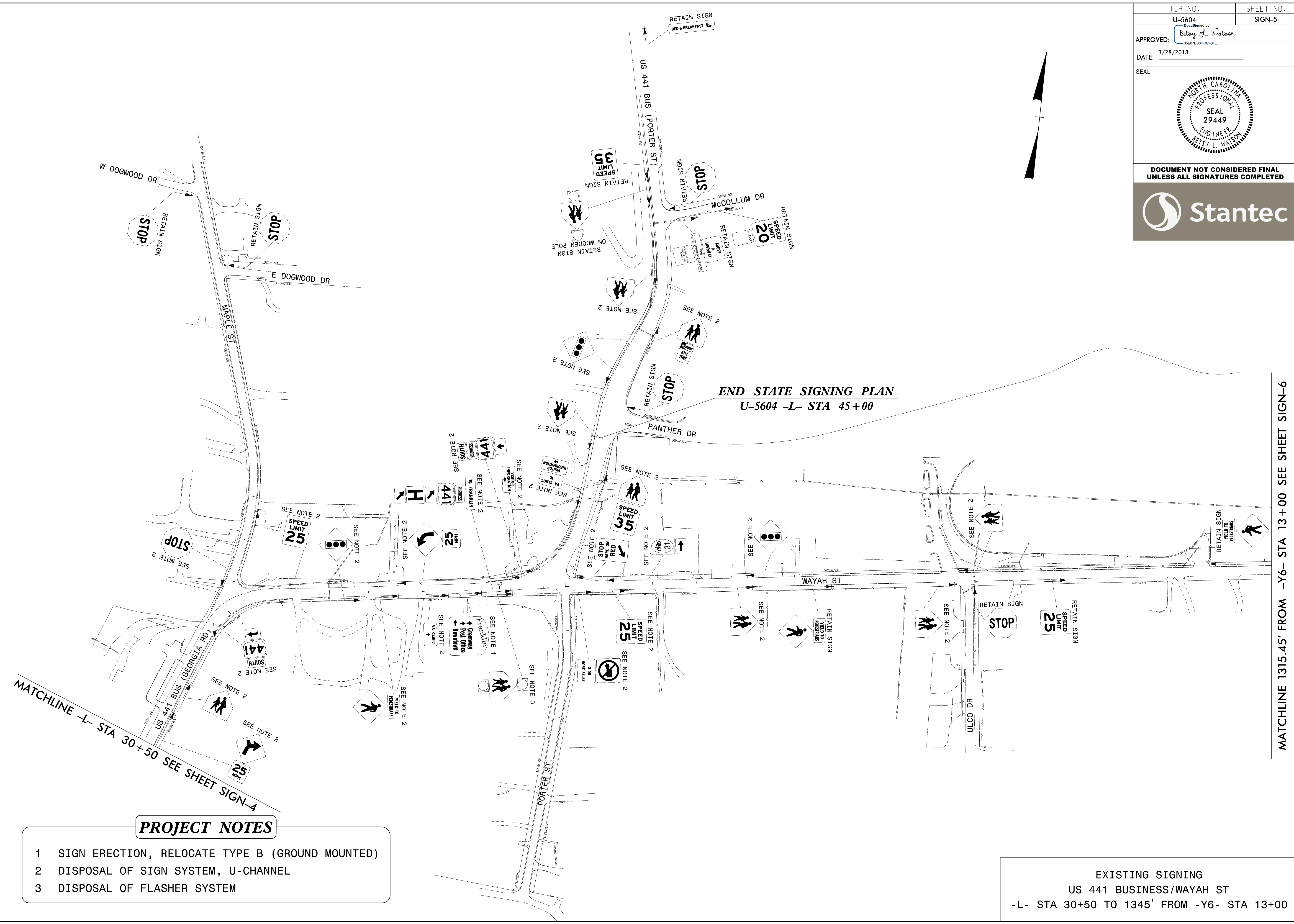
MATCHLINE -L- STA 30+50 SEE SHEET SIGN-5

EXISTING SIGNING  
US 441 BUSINESS  
-L- STA 10+00 TO 30+50

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DDGN\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$



TIP NO. U-5604	SHEET NO. SIGN-5
APPROVED: <i>Betsy L. Watson</i>	
DATE: 3/28/2018	
SEAL	
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**END STATE SIGNING PLAN**  
U-5604 -L- STA 45+00

MATCHLINE -L- STA 30+50 SEE SHEET SIGN-4

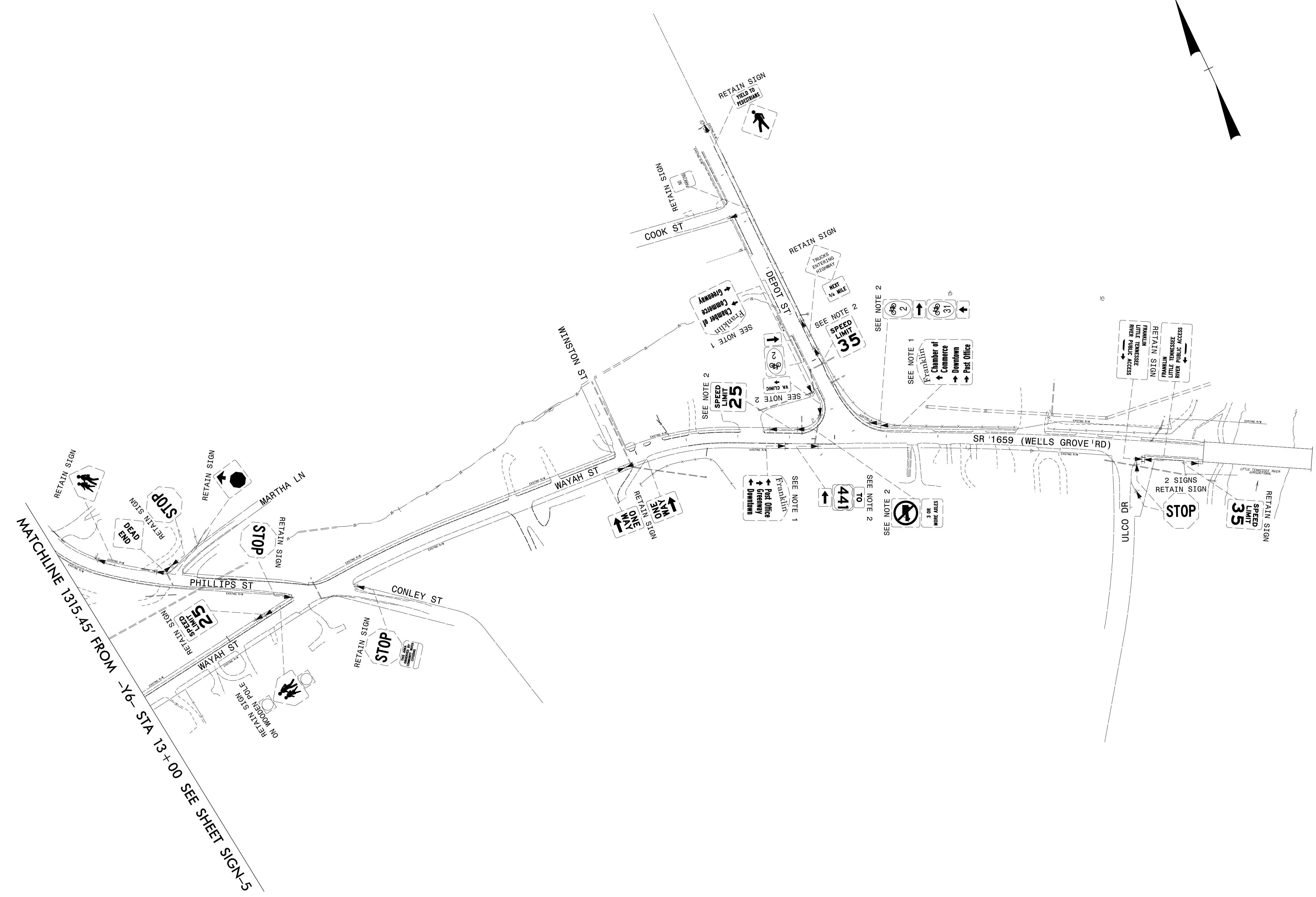
MATCHLINE 1315.45' FROM -Y6- STA 13+00 SEE SHEET SIGN-6

- PROJECT NOTES**
- 1 SIGN ERECTION, RELOCATE TYPE B (GROUND MOUNTED)
  - 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
  - 3 DISPOSAL OF FLASHER SYSTEM

EXISTING SIGNING  
US 441 BUSINESS/WAYAH ST  
-L- STA 30+50 TO 1345' FROM -Y6- STA 13+00

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DDGN\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$

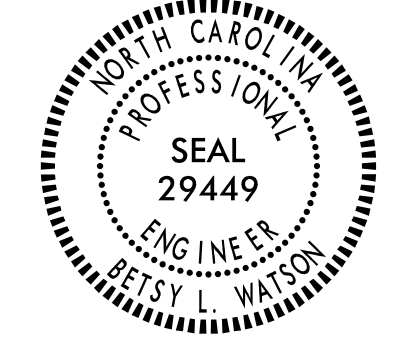

TIP NO. U-5604	SHEET NO. SIGN-6
APPROVED: <i>Betsy L. Watson</i>	
DATE: 3/28/2018	
SEAL	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

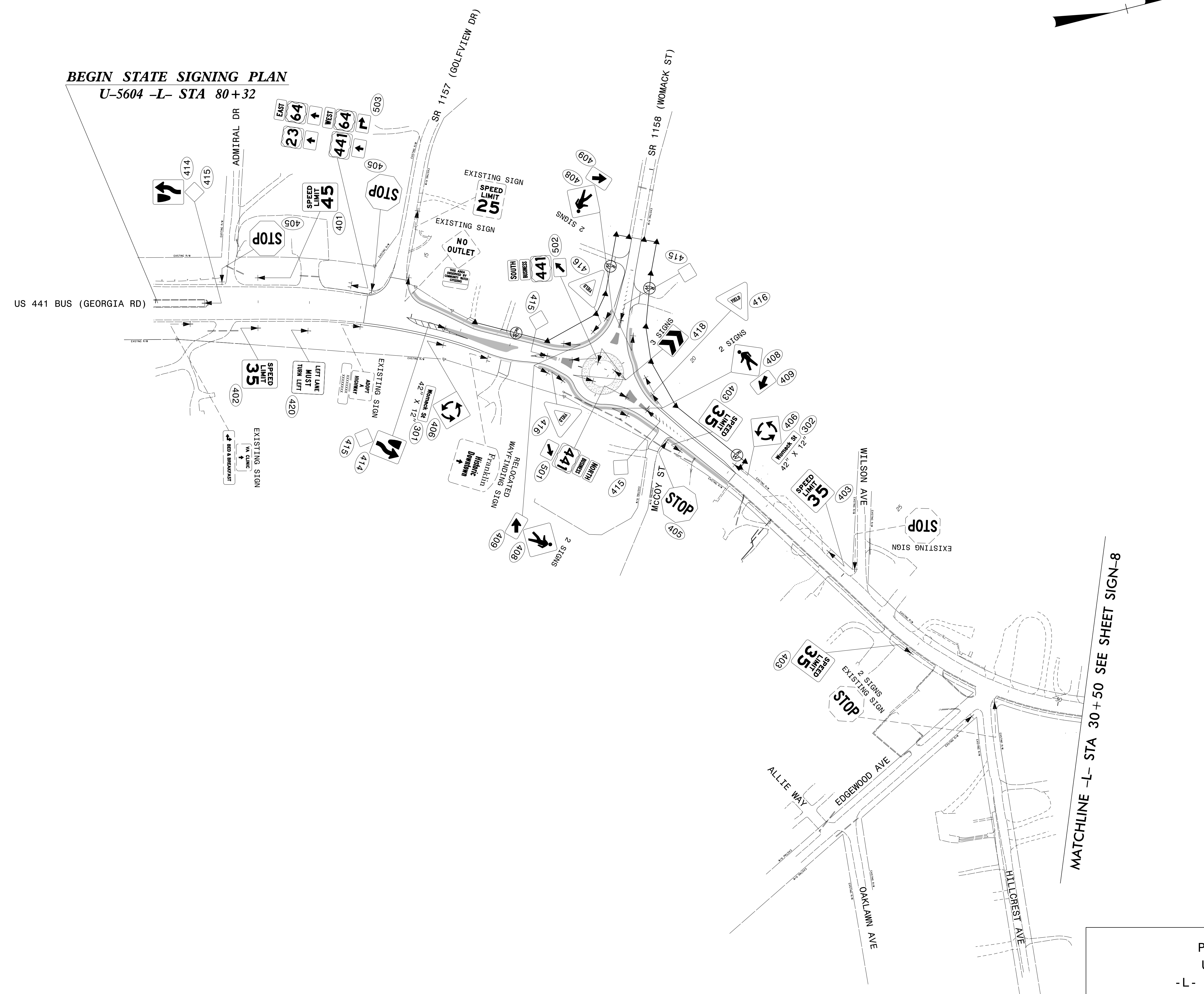


- PROJECT NOTES**
- 1 SIGN ERECTION, RELOCATE TYPE B (GROUND MOUNTED)
  - 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
  - 3 DISPOSAL OF FLASHER SYSTEM

EXISTING SIGNING  
 WAYAH ST  
 1345' FROM -Y6- STA 13+00 TO -Y9- STA 19+25

\$\$\$\$\$SYTIME\$\$\$\$\$  
 \$\$\$DDGN\$\$\$\$\$  
 \$\$\$USERNAME\$\$\$\$\$

TIP NO. U-5604	SHEET NO. SIGN-7
APPROVED: <i>Betsy L. Watson</i>	
DATE: 3/28/2018	
SEAL	
	
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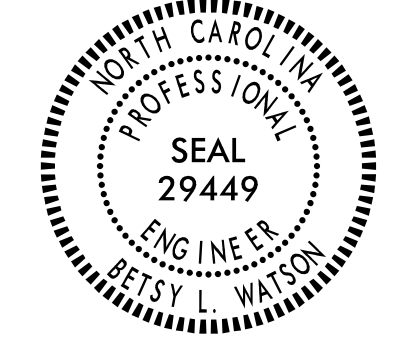
**BEGIN STATE SIGNING PLAN**  
U-5604 -L- STA 80+32

MATCHLINE -L- STA 30+50 SEE SHEET SIGN-8

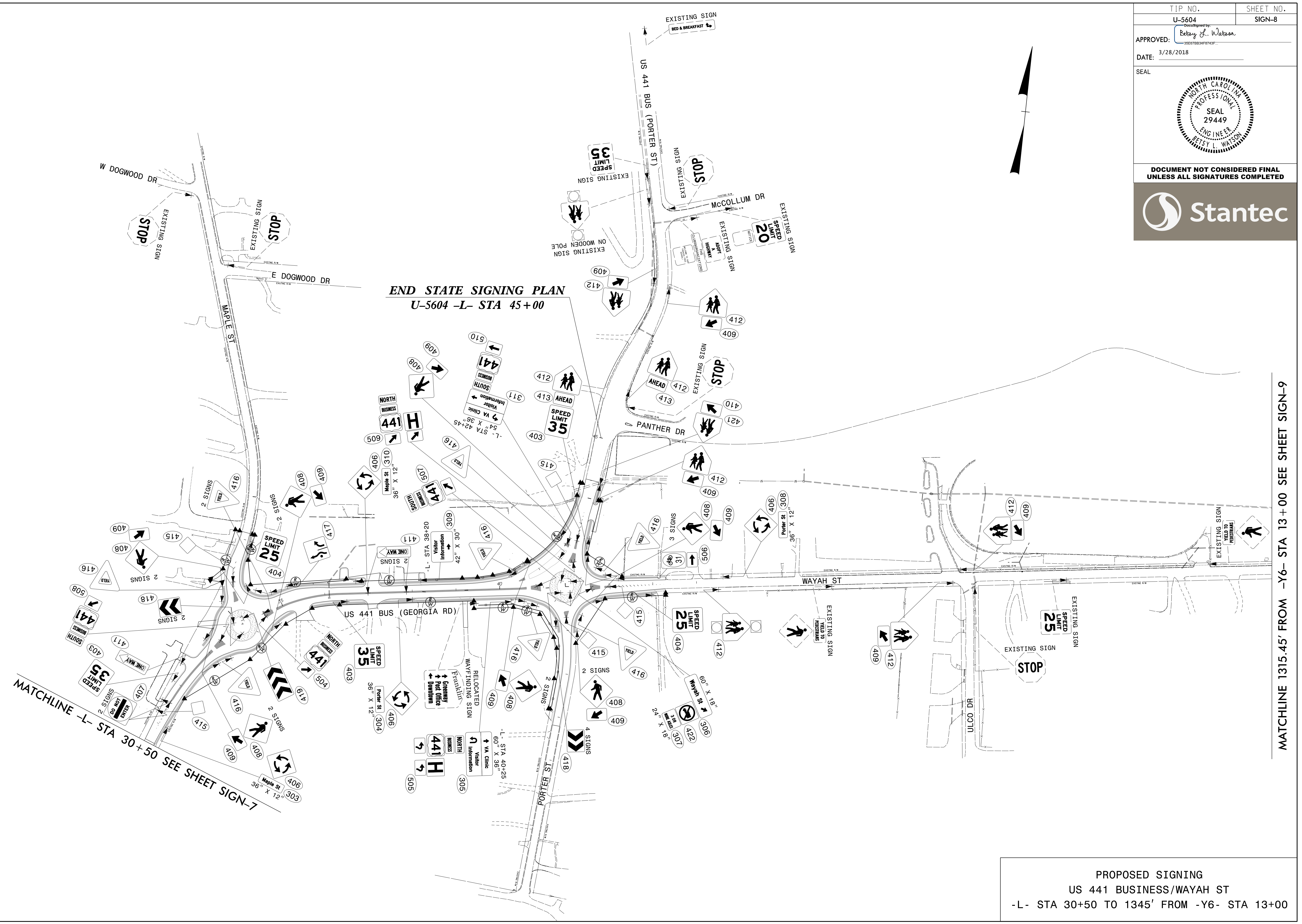
PROPOSED SIGNING  
US 441 BUSINESS  
-L- STA 10+00 TO 30+50

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DDGN\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$

TIP NO. U-5604	SHEET NO. SIGN-8
APPROVED: <i>Betsy L. Watson</i>	
DATE: 3/28/2018	
SEAL	



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



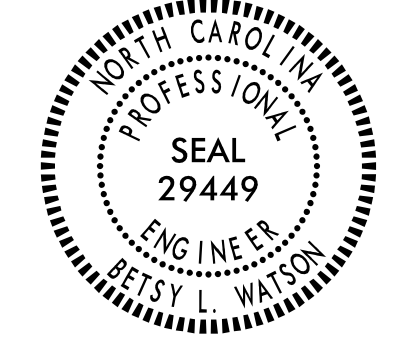

**END STATE SIGNING PLAN**  
U-5604 -L- STA 45+00

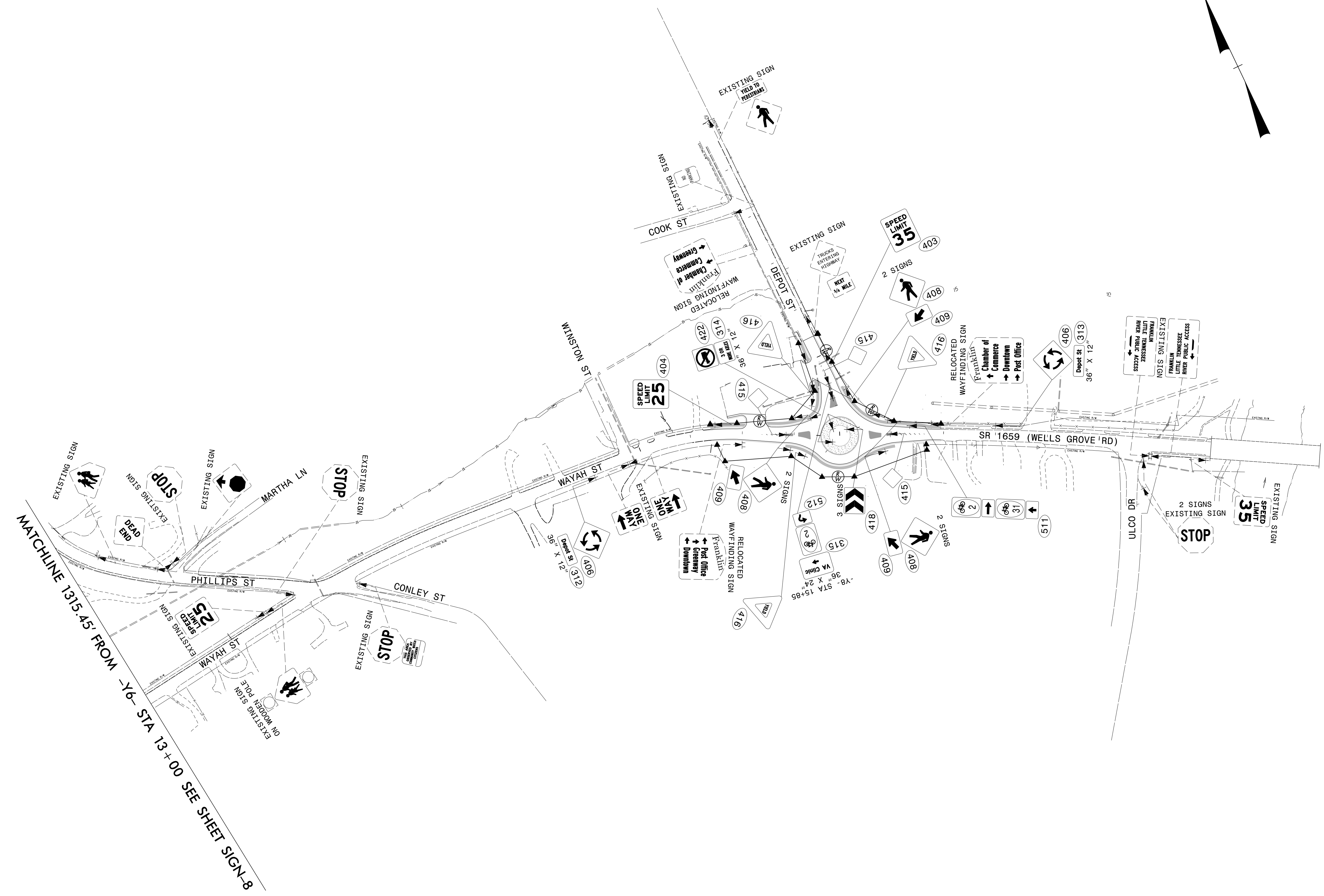
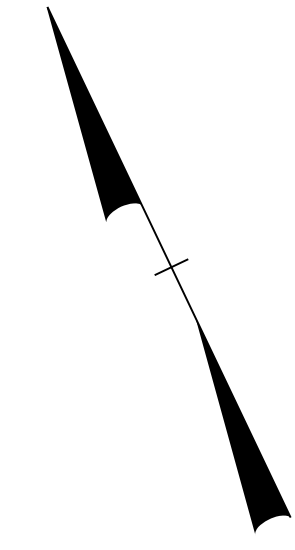
MATCHLINE -L- STA 30+50 SEE SHEET SIGN-7

MATCHLINE 1315.45' FROM -Y6- STA 13+00 SEE SHEET SIGN-9

PROPOSED SIGNING  
US 441 BUSINESS/WAYAH ST  
-L- STA 30+50 TO 1345' FROM -Y6- STA 13+00

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DGN\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$

TIP NO. U-5604	SHEET NO. SIGN-9
APPROVED: <i>Betsy L. Watson</i>	
DATE: 3/28/2018	
SEAL	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
	



MATCHLINE 1315.45' FROM -Y6- STA 13+00 SEE SHEET SIGN-8

**PROPOSED SIGNING**  
**WAYAH ST**  
 1345' FROM -Y6- STA 13+00 TO -Y9- STA 19+25

\$\$\$\$\$SYTIME\$\$\$\$\$  
 \$\$\$\$\$\$DGN\$\$\$\$\$  
 \$\$\$\$\$\$USERNAME\$\$\$\$\$