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T.I.P.: R-3100B

CONTRACT: C203829

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
CATAWBA COUNTY**

LOCATION: NC 16 NORTH OF SR 1801 (CLAREMONT RD) AND NORTH OF SR 1814 (CALDWELL ROAD)

<small>TIP NO.</small> R-3100B	<small>SHEET NO.</small> SIGN-1
<small>DocuSigned by:</small> <i>Betsy L. Watson</i> <small>355678834F8743F</small>	
<small>APPROVED:</small>	
<small>DATE:</small> 9/19/2016	
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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 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

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.

SUMMARY OF QUANTITIES

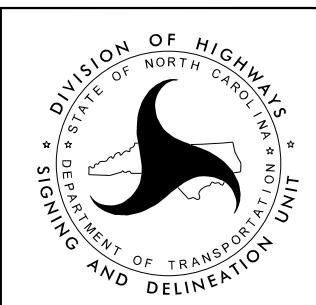
ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3-LB STEEL U-CHANNEL.....	2605	L.F.
4096000000	904	SIGN ERECTION, TYPE D.....	5	EA.
4102000000	904	SIGN ERECTION, TYPE E.....	108	EA.
4108000000	904	SIGN ERECTION, TYPE F.....	27	EA.
4116100000	904	SIGN ERECTION, RELOCATE, TYPE D.....	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE, TYPE E.....	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL.....	49	EA.
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD.....	2	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL.....	2	EA.

INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
SIGN-1	TITLE SHEET
SIGN-2-2A	TYPE 'D' SIGNS
SIGN-3	TYPE 'E' SIGNS
SIGN-3A	TYPE 'F' SIGNS
SIGN-4-19	SIGNING PLAN SHEETS

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

KELVIN JORDAN SIGNING & DELINEATION REGIONAL ENGINEER
DERRICK BEARD SIGNING & DELINEATION PROJECT DESIGN ENGINEER



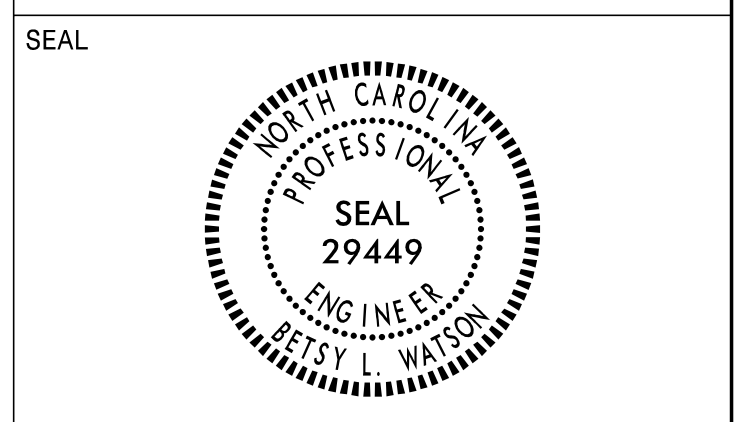
PLAN PREPARED BY:

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



Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27605
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DATE: 9/19/2016



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401 QUANTITY REQ'D 5



30 X 36
R2-1

ONE "U" POST PER SIGN

406 QUANTITY REQ'D 6




42 X 30
R5-1a

MOUNT BEHIND SIGN 402
IN 2 INSTALLATIONS

ONE "U" POST PER SIGN

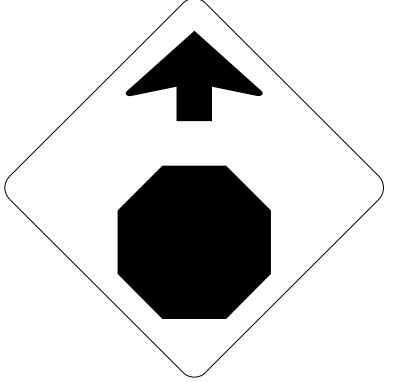
411 QUANTITY REQ'D 4



54 X 18
R6-1L

TWO "U" POSTS PER SIGN

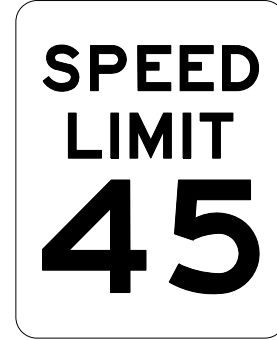
416 QUANTITY REQ'D 3



36 X 36
W3-1

ONE "U" POST PER SIGN

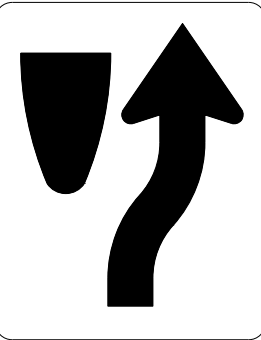
402 QUANTITY REQ'D 3



30 X 36
R2-1

ONE "U" POST PER SIGN


407 QUANTITY REQ'D 14



24 X 30
R4-7

ONE "U" POST PER SIGN

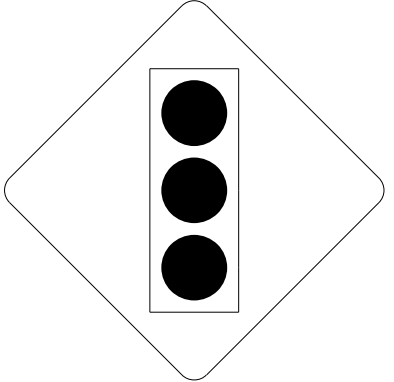
412 QUANTITY REQ'D 8



54 X 18
R6-1R

TWO "U" POSTS PER SIGN

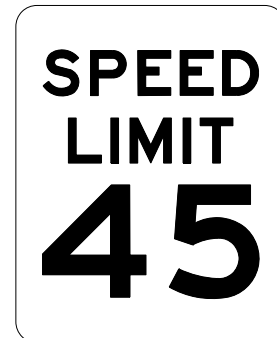
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36 X 36
W3-3

ONE "U" POST PER SIGN

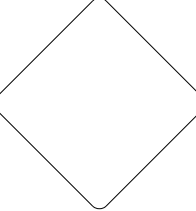
403 QUANTITY REQ'D 5



24 X 30
R2-1

ONE "U" POST PER SIGN

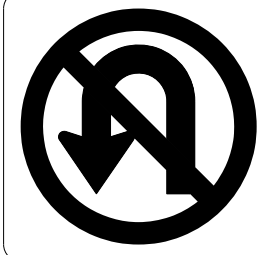
408 QUANTITY REQ'D 14



18 X 18
OM1-3

MOUNT BELOW SIGN 407
IN 14 INSTALLATIONS


413 QUANTITY REQ'D 2



36 X 36
R3-4

ONE "U" POST PER SIGN

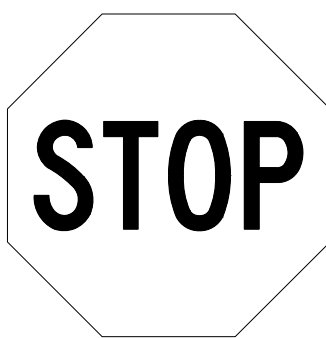
418 QUANTITY REQ'D 8



36 X 12
R6-1R

MOUNT ABOVE SIGN 419
IN 8 INSTALLATIONS

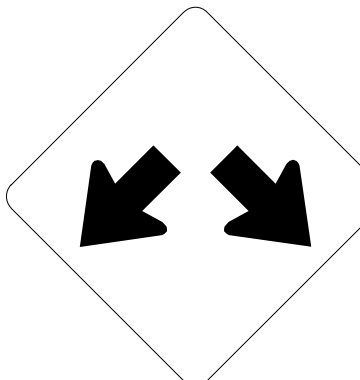
404 QUANTITY REQ'D 5



36 X 36
R1-1

ONE "U" POST PER SIGN

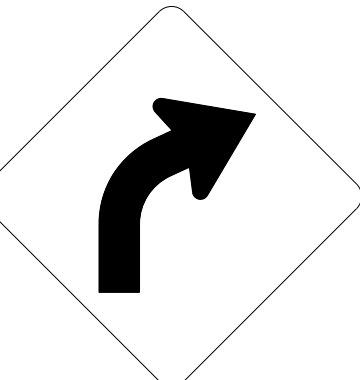
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30 X 30
W12-1

ONE "U" POST PER SIGN

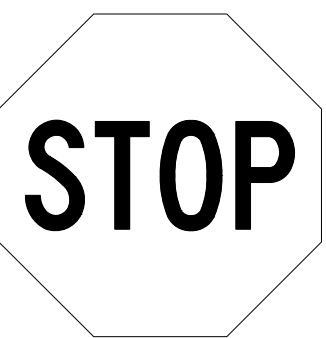
414 QUANTITY REQ'D 1



36 X 36
W1-2R

ONE "U" POST PER SIGN


419 QUANTITY REQ'D 8



36 X 36
R1-1

TWO "U" POSTS PER SIGN

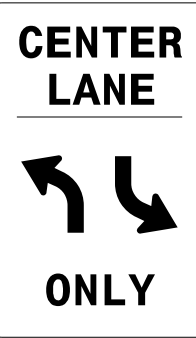
405 QUANTITY REQ'D 6



36 X 36
R5-1

ONE "U" POST PER SIGN


410 QUANTITY REQ'D 1



24 X 36
R3-9b

ONE "U" POST PER SIGN

415 QUANTITY REQ'D 1



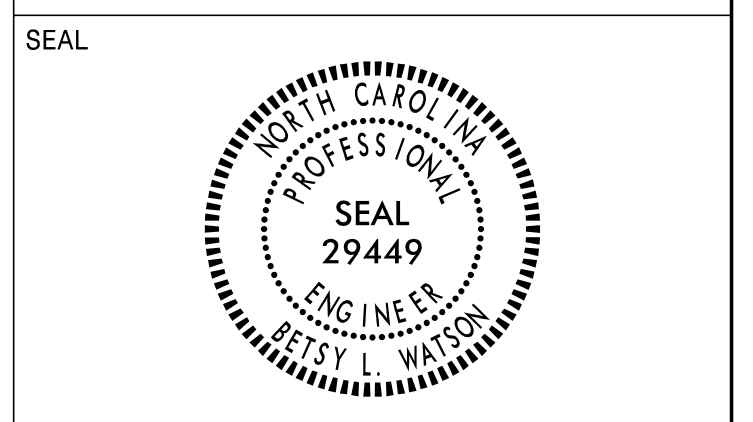
36 X 36
W3-5

ONE "U" POST PER SIGN

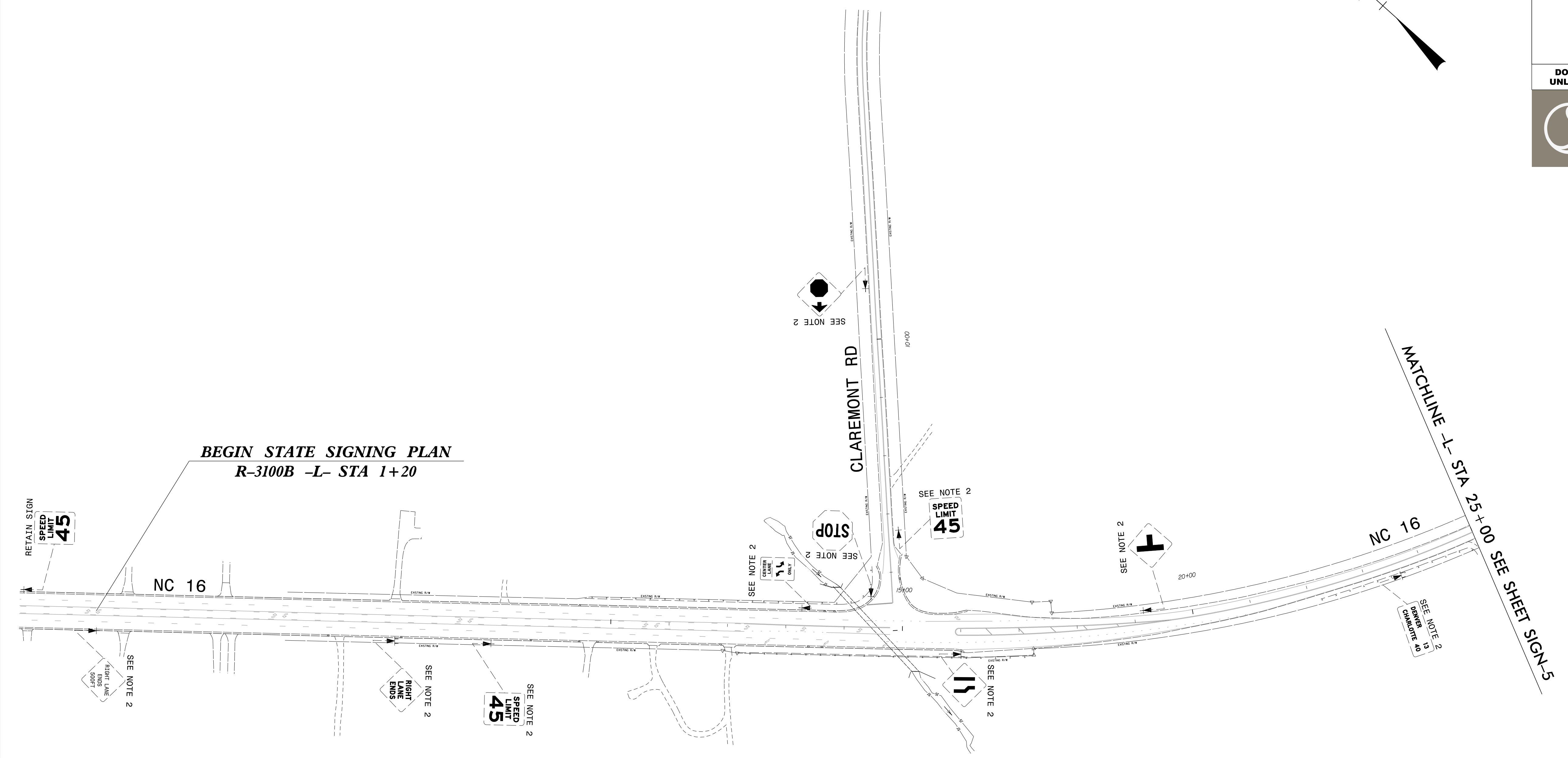
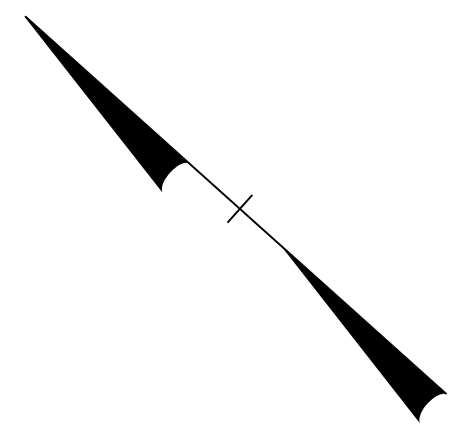
TYPE 'E' SIGNS

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

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DocuSigned by:
 Betsy L. Watson
 35E678B34F8743F...
 DATE: 9/19/2016



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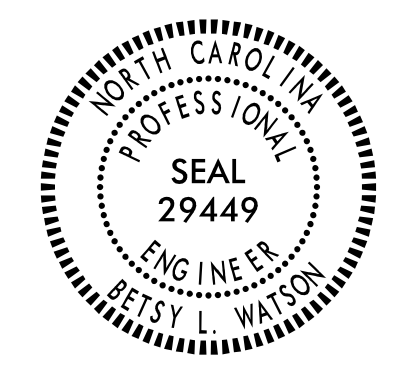



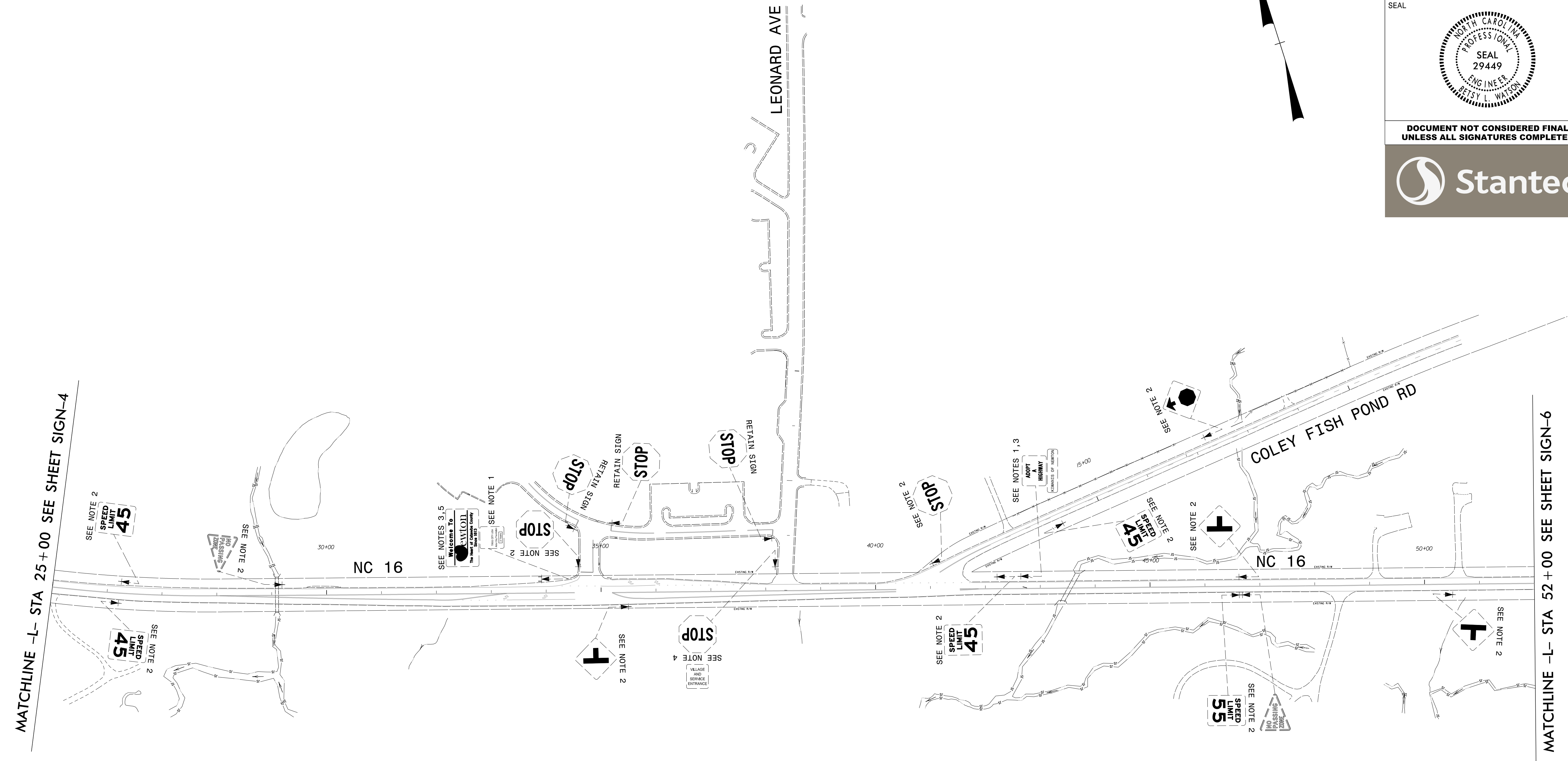
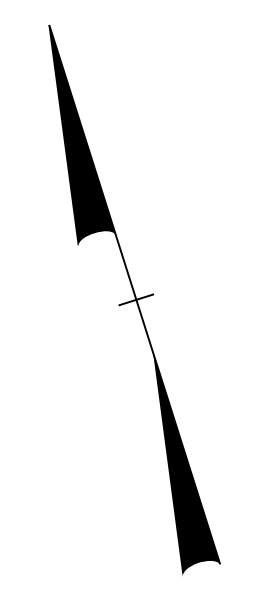
PROJECT NOTES

- 1 SIGN ERECTION, RELOCATE TYPE E
- 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 3 DISPOSAL OF SUPPORT, U-CHANNEL
- 4 DISPOSAL OF SIGN SYSTEM, WOOD
- 5 SIGN ERECTION, RELOCATE TYPE D

EXISTING SIGNING
 NC 16
 -L- STA 0+00 TO 25+00

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

TIP NO. R-3100B	SHEET NO. SIGN-5
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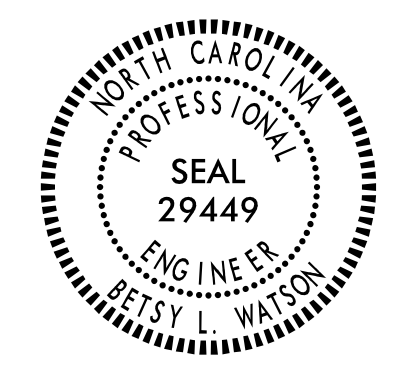



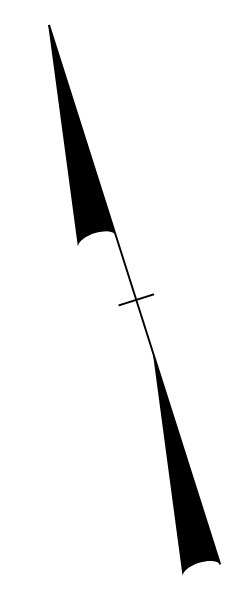
PROJECT NOTES

- 1 SIGN ERECTION, RELOCATE TYPE E
- 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 3 DISPOSAL OF SUPPORT, U-CHANNEL
- 4 DISPOSAL OF SIGN SYSTEM, WOOD
- 5 SIGN ERECTION, RELOCATE TYPE D

EXISTING SIGNING
NC 16
-L- STA 25+00 TO 52+00

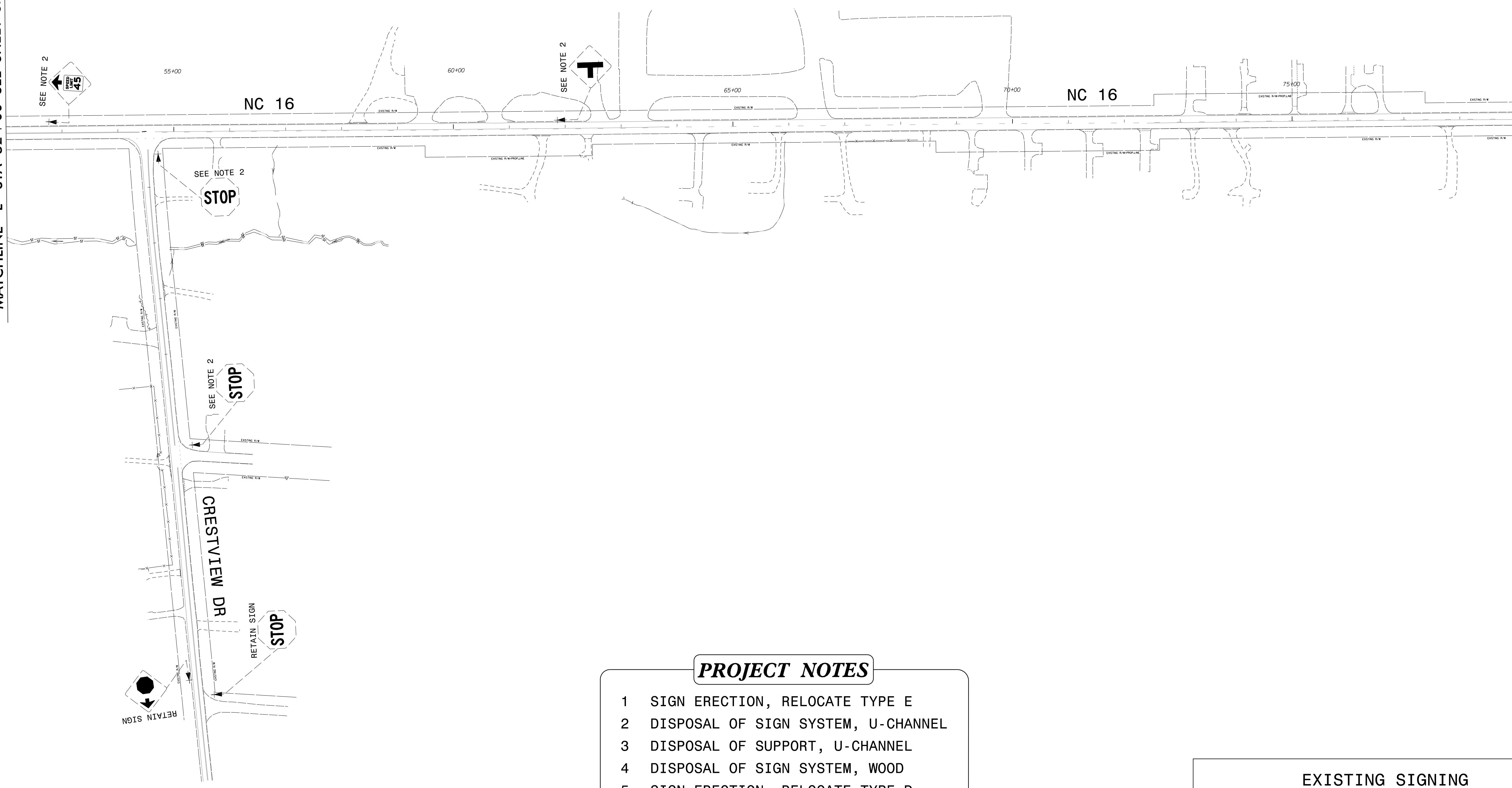
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TIP NO. R-3100B	SHEET NO. SIGN-6
APPROVED: <i>Betsy L. Watson</i> -355978534F8743F-	
DATE: 9/19/2016	
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MATCHLINE -L- STA 52+00 SEE SHEET SIGN-5

MATCHLINE -L- STA 79+00 SEE SHEET SIGN-7

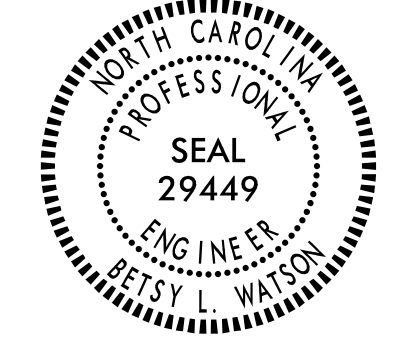



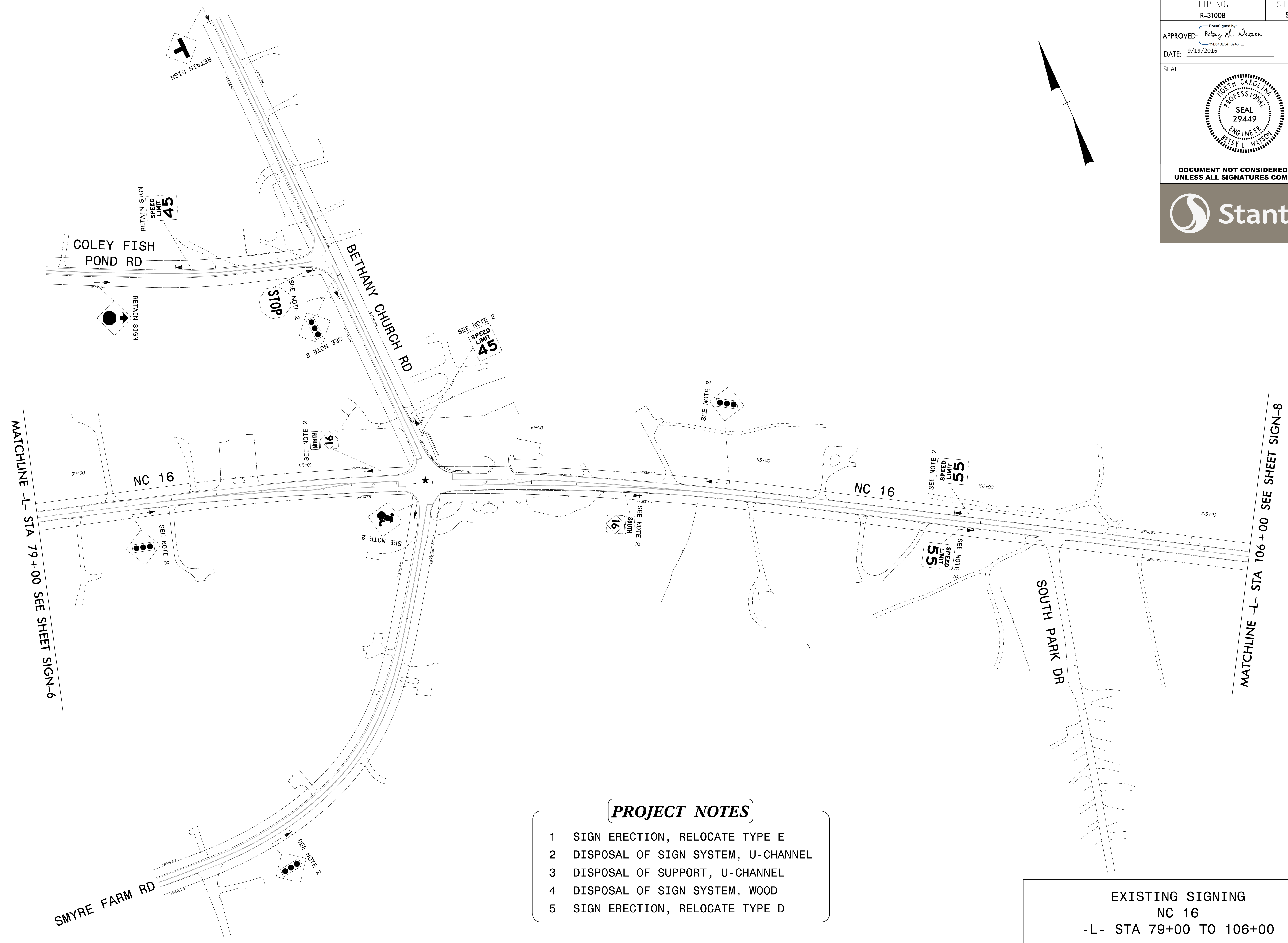
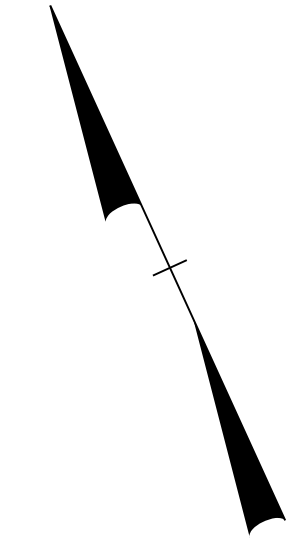
PROJECT NOTES

- 1 SIGN ERECTION, RELOCATE TYPE E
- 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 3 DISPOSAL OF SUPPORT, U-CHANNEL
- 4 DISPOSAL OF SIGN SYSTEM, WOOD
- 5 SIGN ERECTION, RELOCATE TYPE D

EXISTING SIGNING
NC 16
-L- STA 52+00 TO 79+00

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

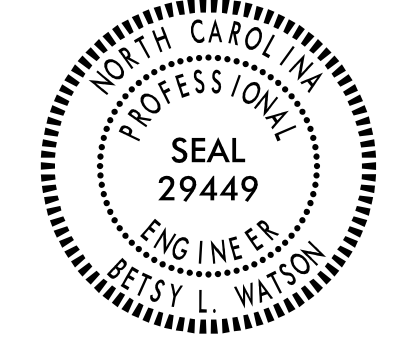

TIP NO. R-3100B	SHEET NO. SIGN-7
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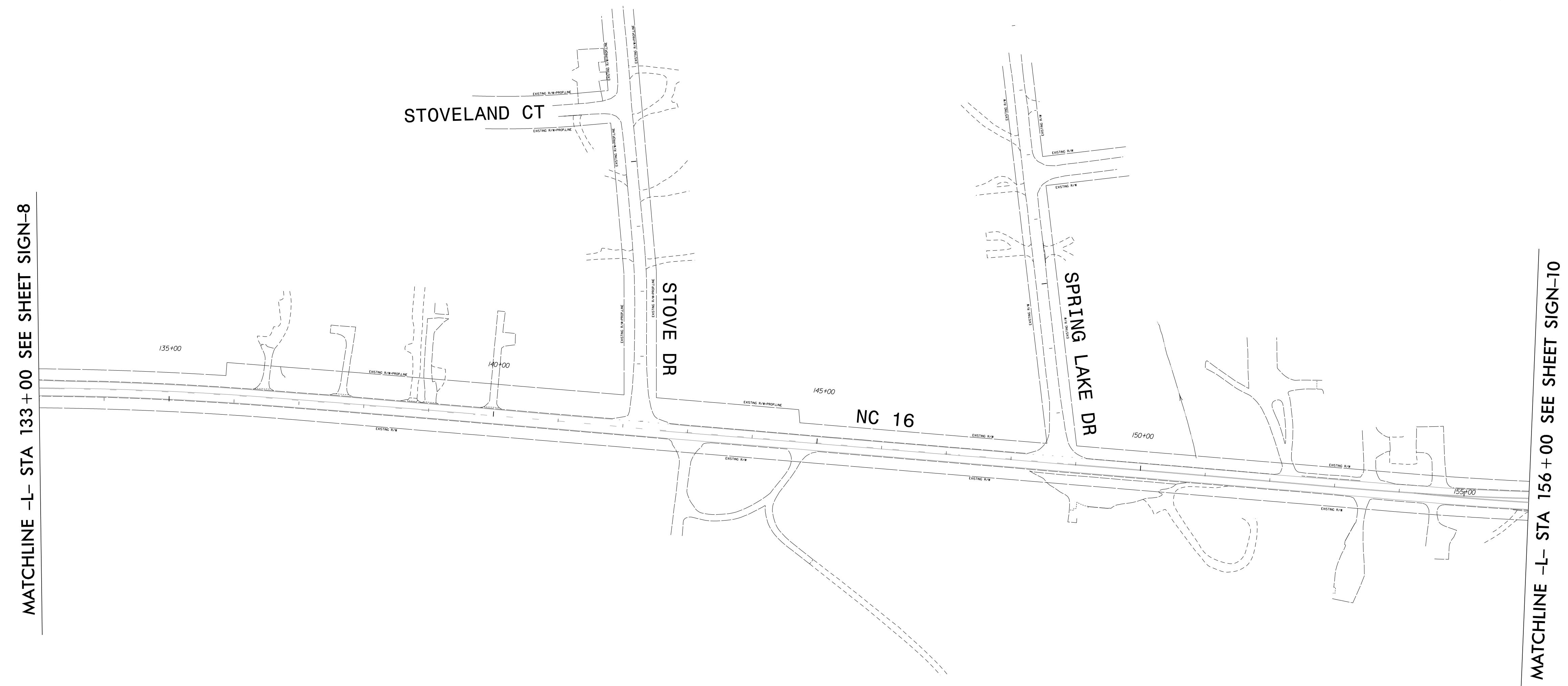
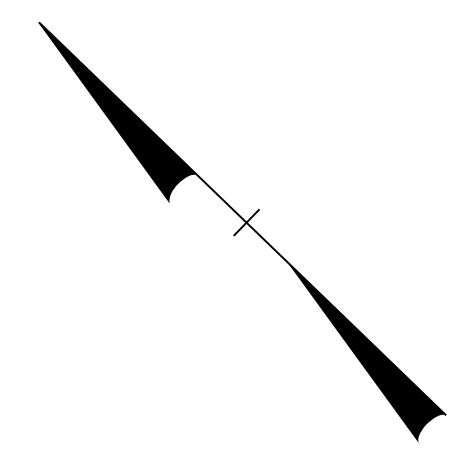


- PROJECT NOTES**
- 1 SIGN ERECTION, RELOCATE TYPE E
 - 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - 3 DISPOSAL OF SUPPORT, U-CHANNEL
 - 4 DISPOSAL OF SIGN SYSTEM, WOOD
 - 5 SIGN ERECTION, RELOCATE TYPE D

EXISTING SIGNING
NC 16
-L- STA 79+00 TO 106+00

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

TIP NO. R-3100B	SHEET NO. SIGN-9
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MATCHLINE -L- STA 133 + 00 SEE SHEET SIGN-8

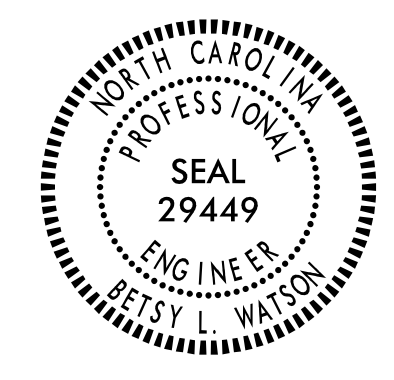

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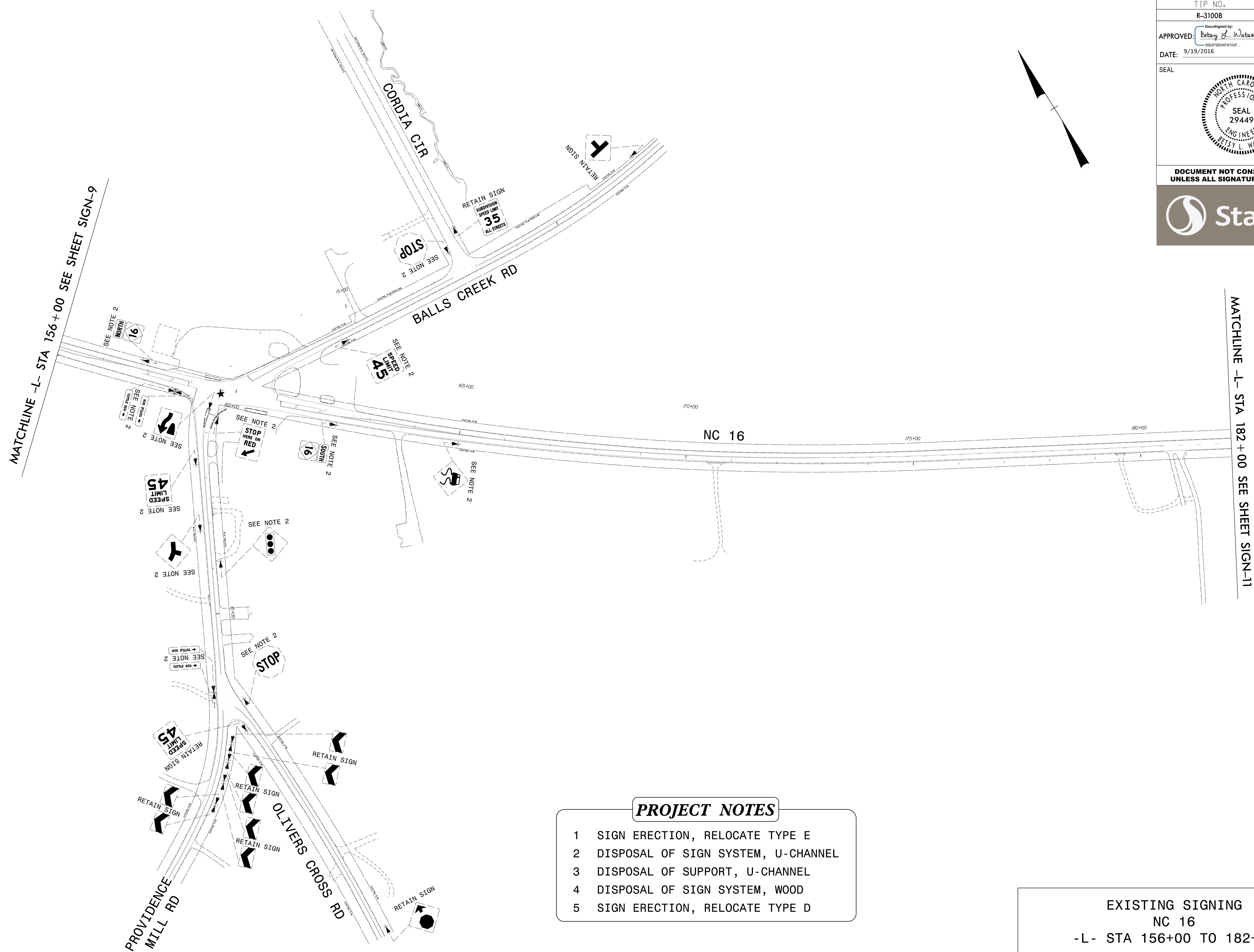
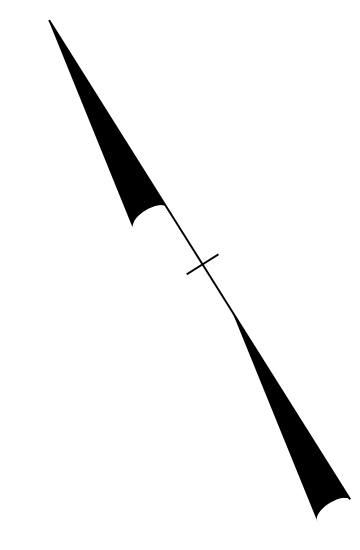
PROJECT NOTES

- 1 SIGN ERECTION, RELOCATE TYPE E
- 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 3 DISPOSAL OF SUPPORT, U-CHANNEL
- 4 DISPOSAL OF SIGN SYSTEM, WOOD
- 5 SIGN ERECTION, RELOCATE TYPE D

EXISTING SIGNING
NC 16
-L- STA 133+00 TO 156+00

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

TIP NO. R-3100B	SHEET NO. SIGN-10
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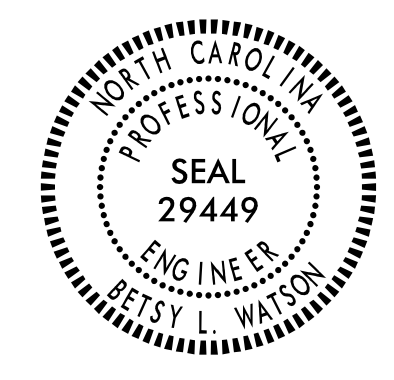

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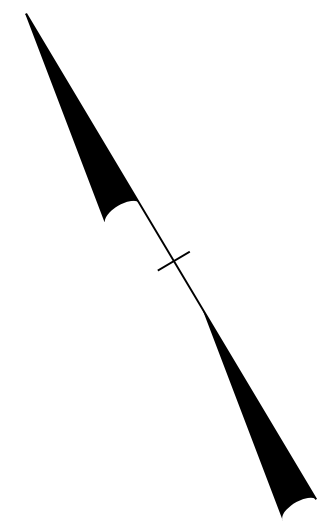
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- PROJECT NOTES**
- 1 SIGN ERECTION, RELOCATE TYPE E
 - 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - 3 DISPOSAL OF SUPPORT, U-CHANNEL
 - 4 DISPOSAL OF SIGN SYSTEM, WOOD
 - 5 SIGN ERECTION, RELOCATE TYPE D

EXISTING SIGNING
NC 16
-L- STA 156+00 TO 182+00

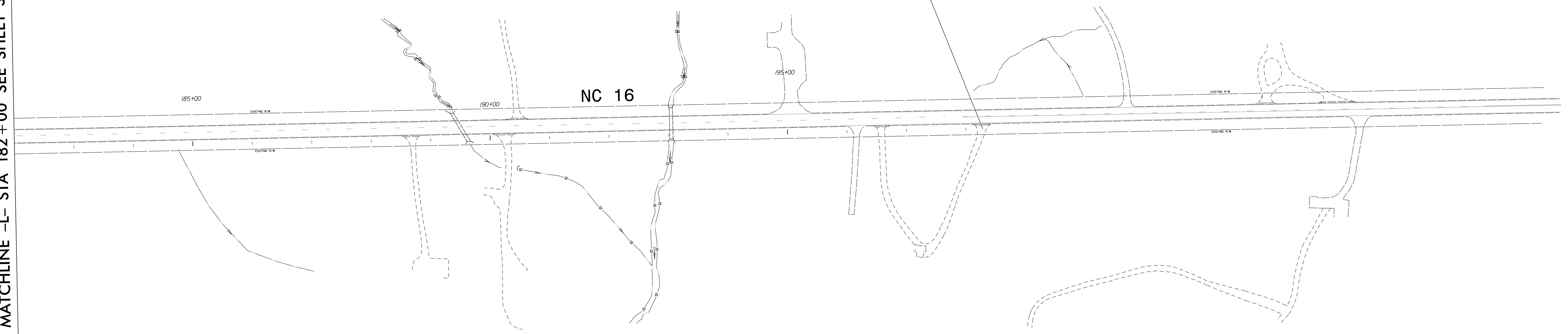
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\$\$\$\$\$USERNAME\$\$\$\$\$

TIP NO. R-3100B	SHEET NO. SIGN-11
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END R-3100B STATE SIGNING PLAN
BEGIN R-3100A -L- STA 198+28

MATCHLINE -L- STA 182+00 SEE SHEET SIGN-10

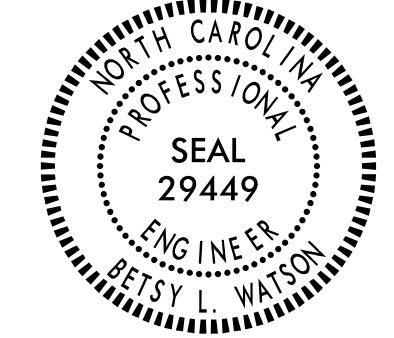



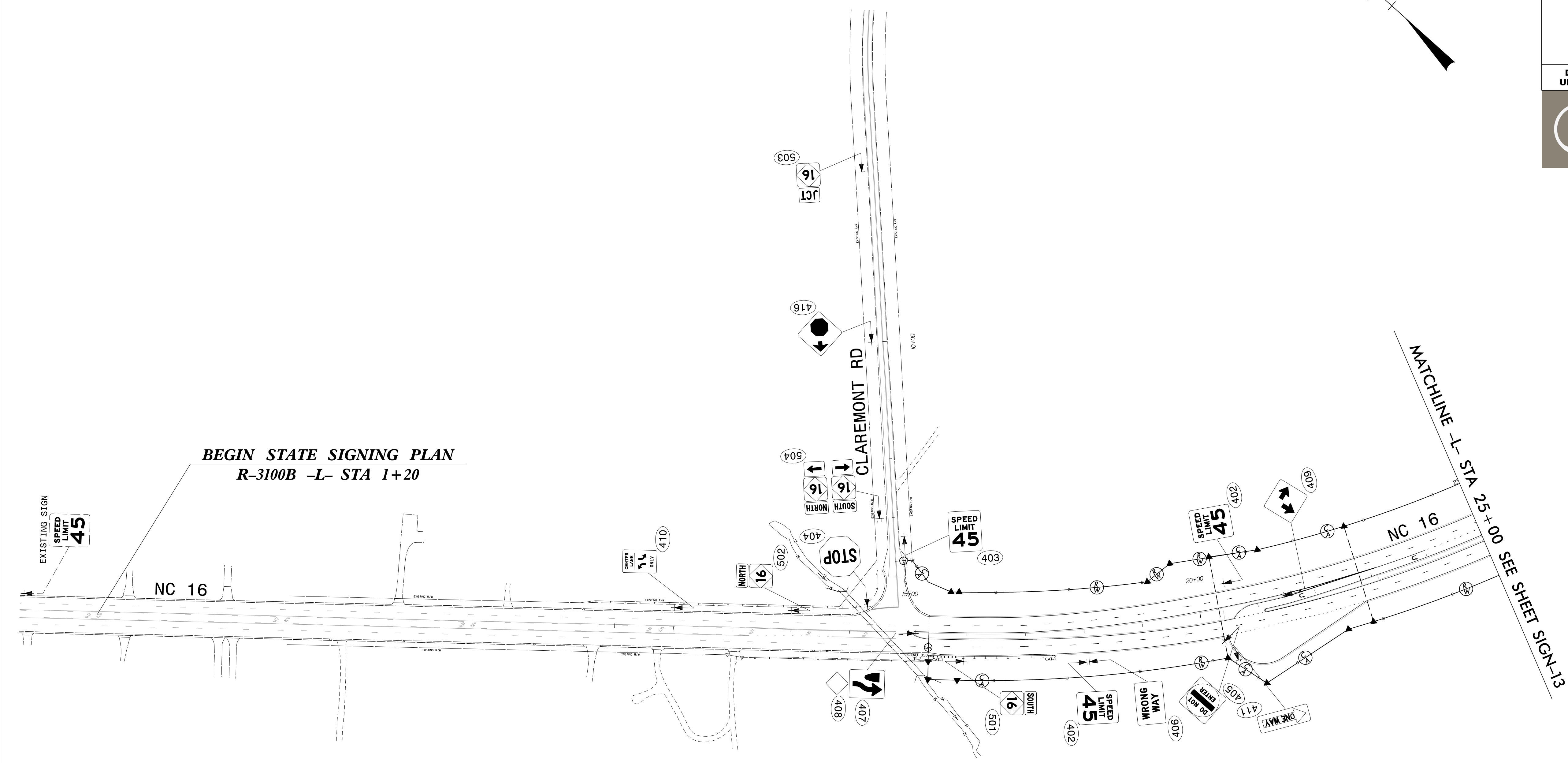
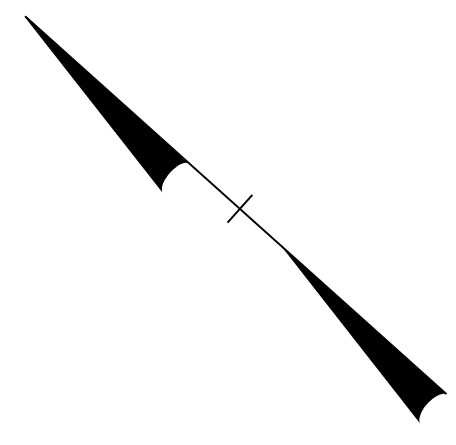
PROJECT NOTES

- 1 SIGN ERECTION, RELOCATE TYPE E
- 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 3 DISPOSAL OF SUPPORT, U-CHANNEL
- 4 DISPOSAL OF SIGN SYSTEM, WOOD
- 5 SIGN ERECTION, RELOCATE TYPE D

EXISTING SIGNING
NC 16
-L- STA 182+00 TO 198+28+/-

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$USERNAM\$\$\$\$\$

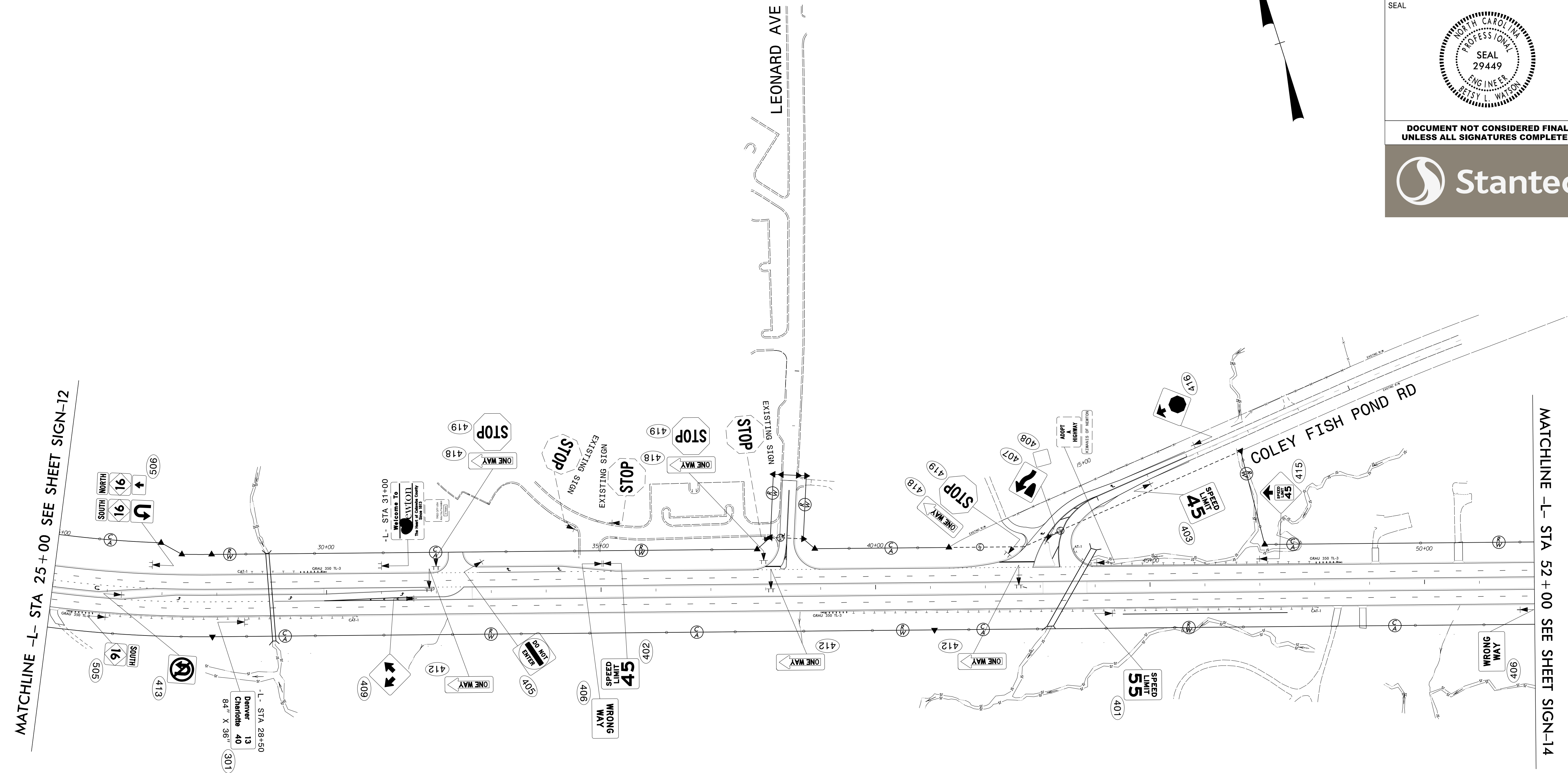
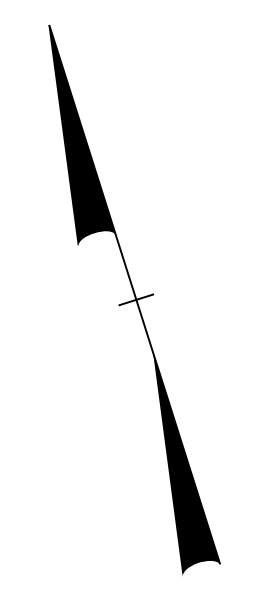
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APPROVED: <i>Betsy L. Watson</i> <small>DocuSigned by: Betsy L. Watson 35E678B34F8743F...</small>	
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\$\$\$\$\$SYTIME\$\$\$\$\$
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PROPOSED SIGNING
 NC 16
 -L- STA 0+00 TO 25+00

TIP NO. R-3100B	SHEET NO. SIGN-13
APPROVED: <i>Betsy L. Watson</i> DocuSigned by: Betsy L. Watson 355678834F8743F...	
DATE: 9/19/2016	
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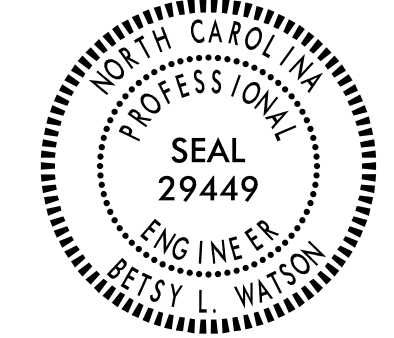



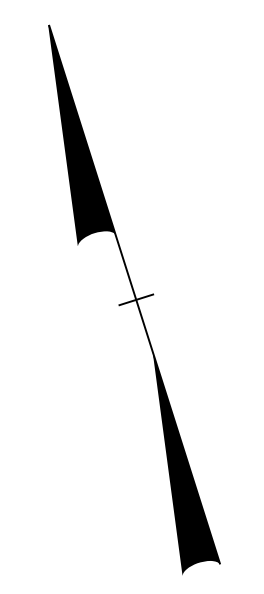
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MATCHLINE -L- STA 52+00 SEE SHEET SIGN-14

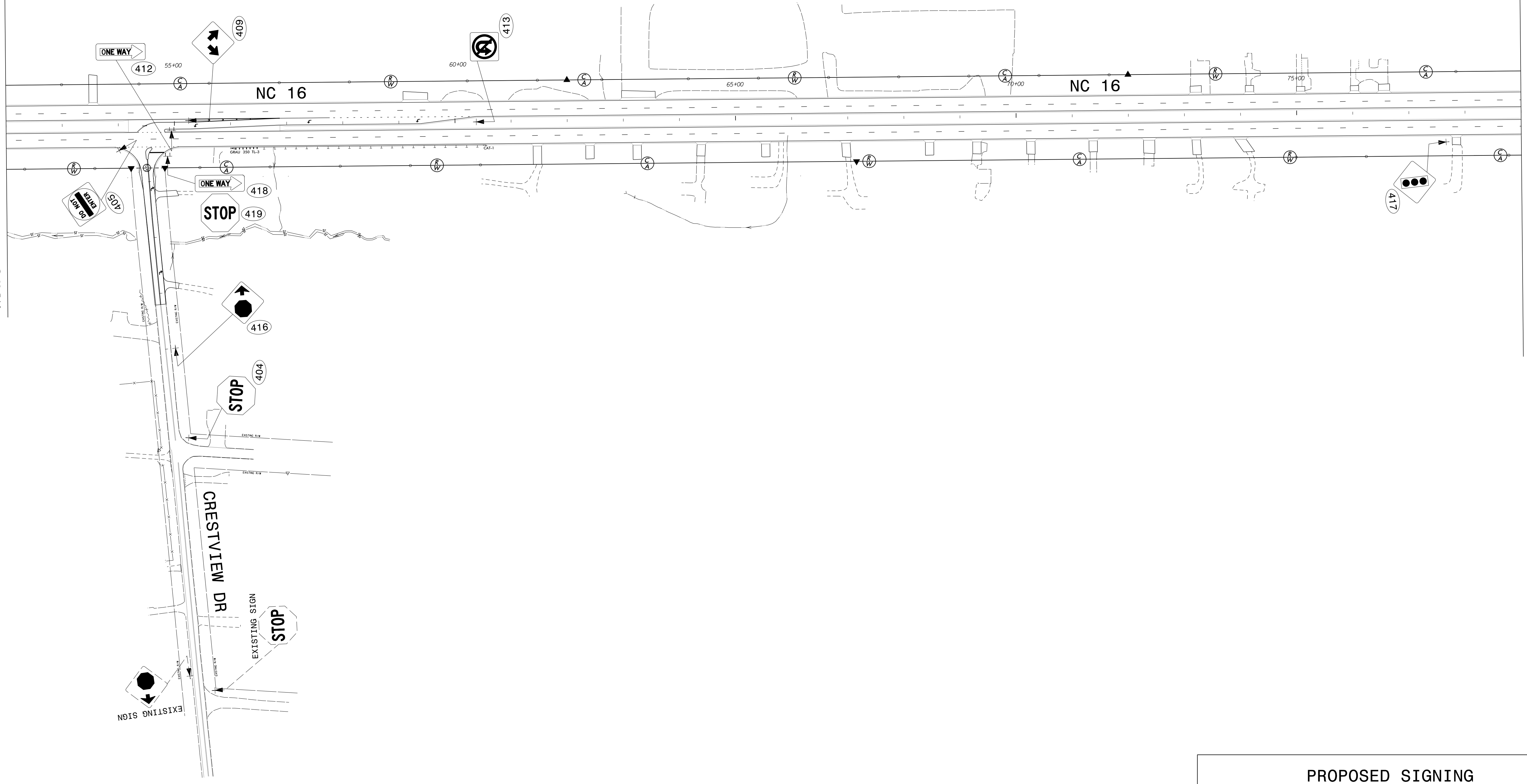
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\$\$\$\$\$USERNAME\$\$\$\$\$

PROPOSED SIGNING
NC 16
-L- STA 25+00 TO 52+00

TIP NO. R-3100B	SHEET NO. SIGN-14
APPROVED: <i>Betsy L. Watson</i> <small>DocuSigned by: 35E078834F8743F...</small>	
DATE: 9/19/2016	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	



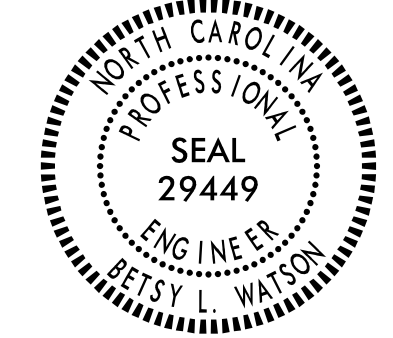

MATCHLINE -L- STA 52 + 00 SEE SHEET SIGN-13

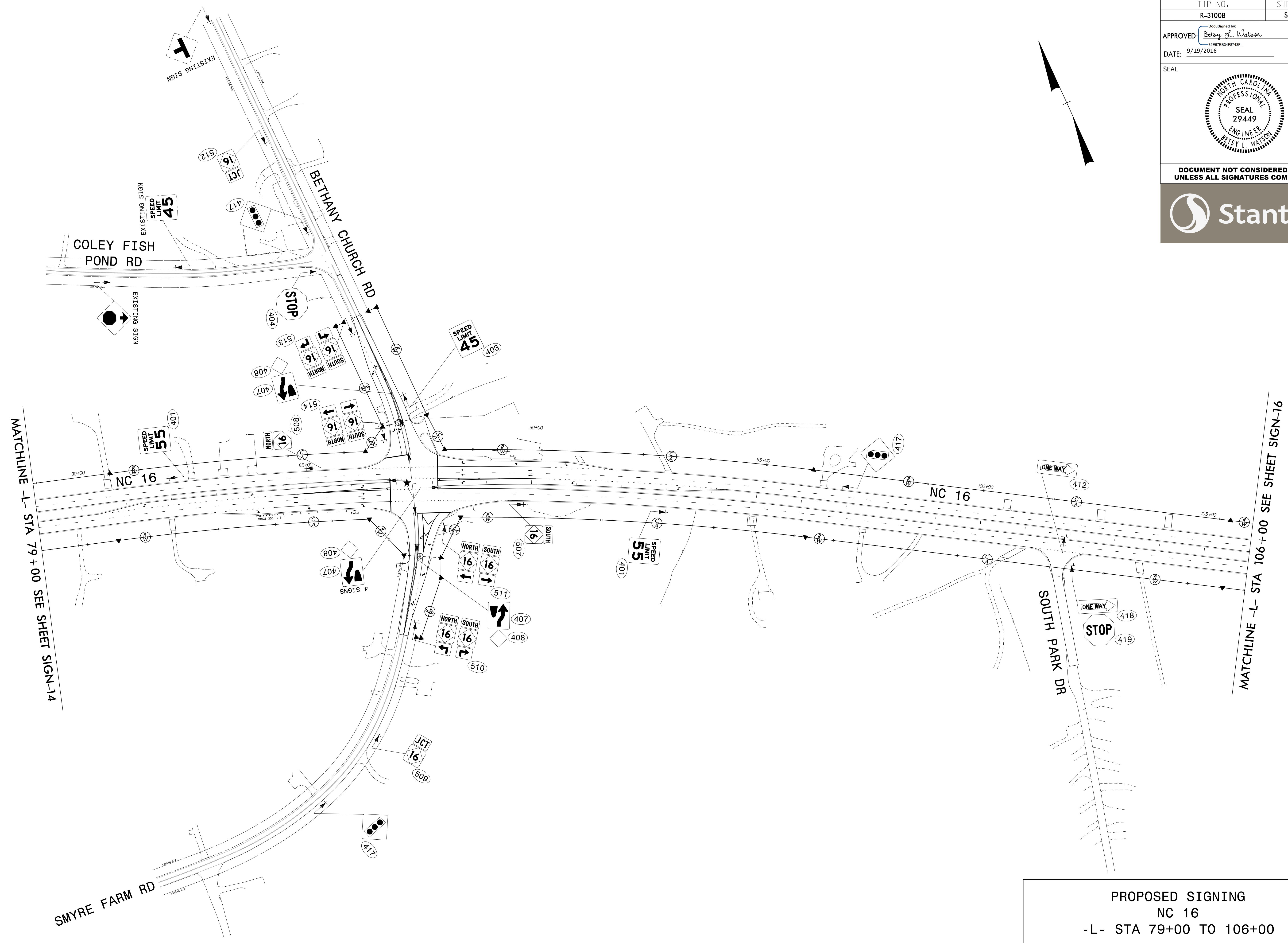
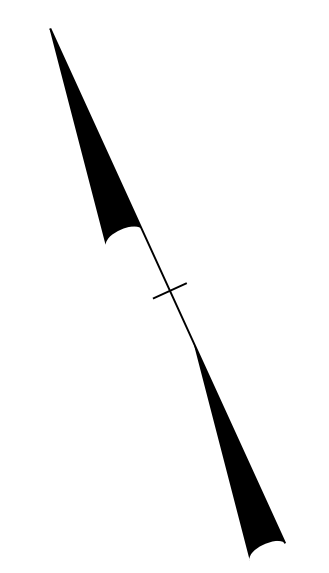


MATCHLINE -L- STA 79 + 00 SEE SHEET SIGN-15

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

PROPOSED SIGNING
NC 16
-L- STA 52+00 TO 79+00

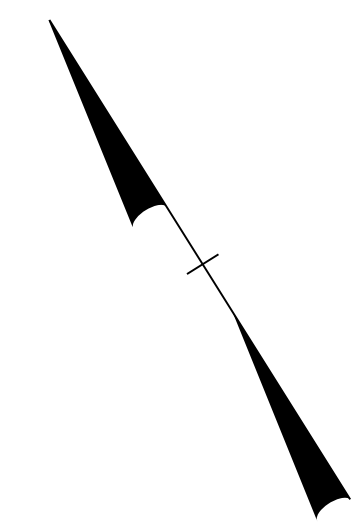
TIP NO. R-3100B	SHEET NO. SIGN-15
APPROVED: <i>Betsy L. Watson</i> <small>DocuSigned by: Betsy L. Watson 35E078834F8743F...</small>	
DATE: 9/19/2016	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	



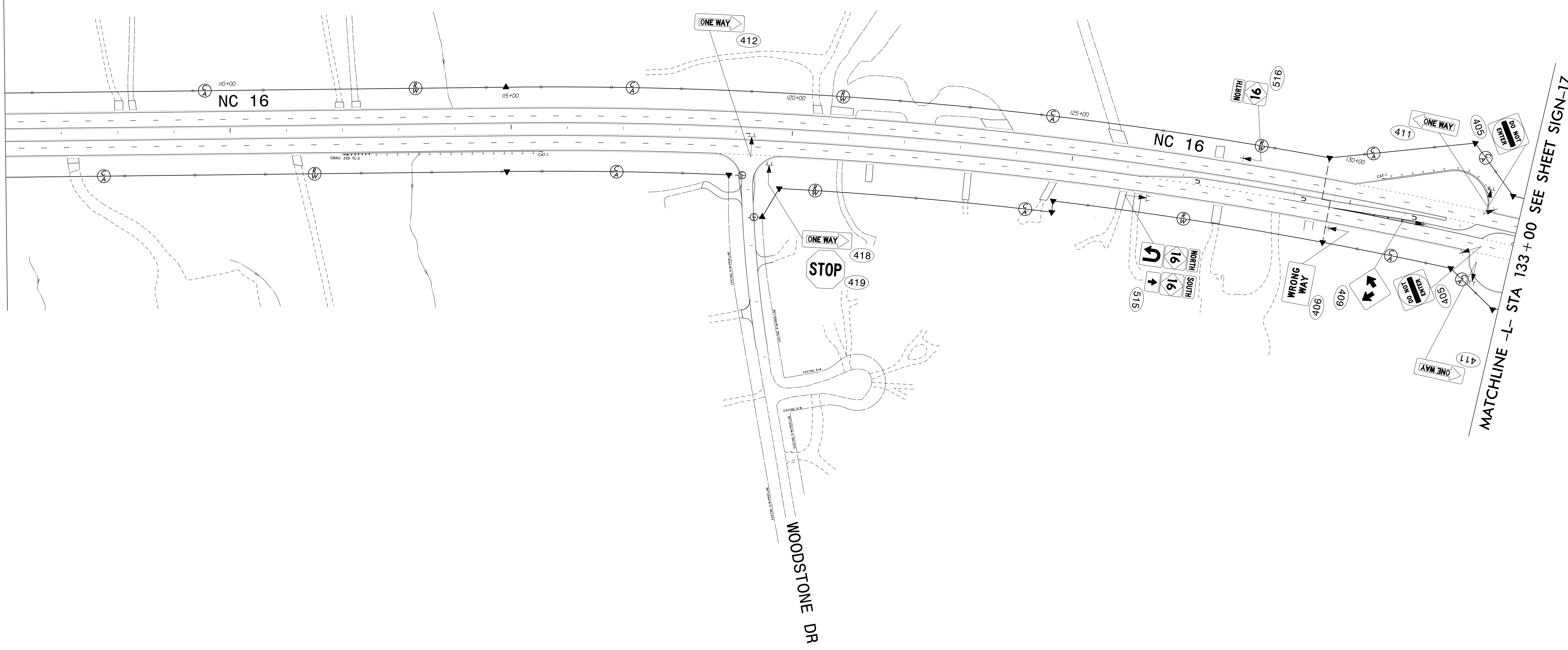
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PROPOSED SIGNING
 NC 16
 -L- STA 79+00 TO 106+00

TIP NO. R-3100B	SHEET NO. SIGN-16
APPROVED: <i>Betsy L. Watson</i> DocuSigned by: Betsy L. Watson 355078534F8743E	
DATE: 9/19/2016	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	





MATCHLINE -L- STA 106 + 00 SEE SHEET SIGN-15

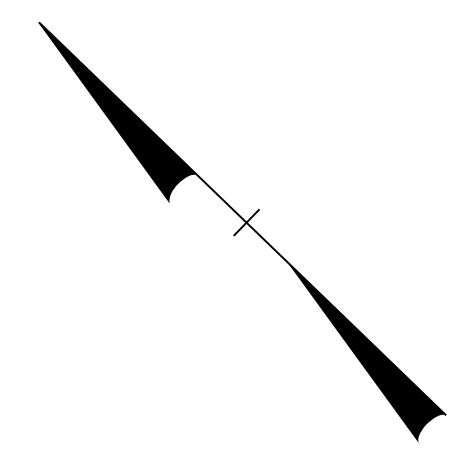


MATCHLINE -L- STA 133 + 00 SEE SHEET SIGN-17

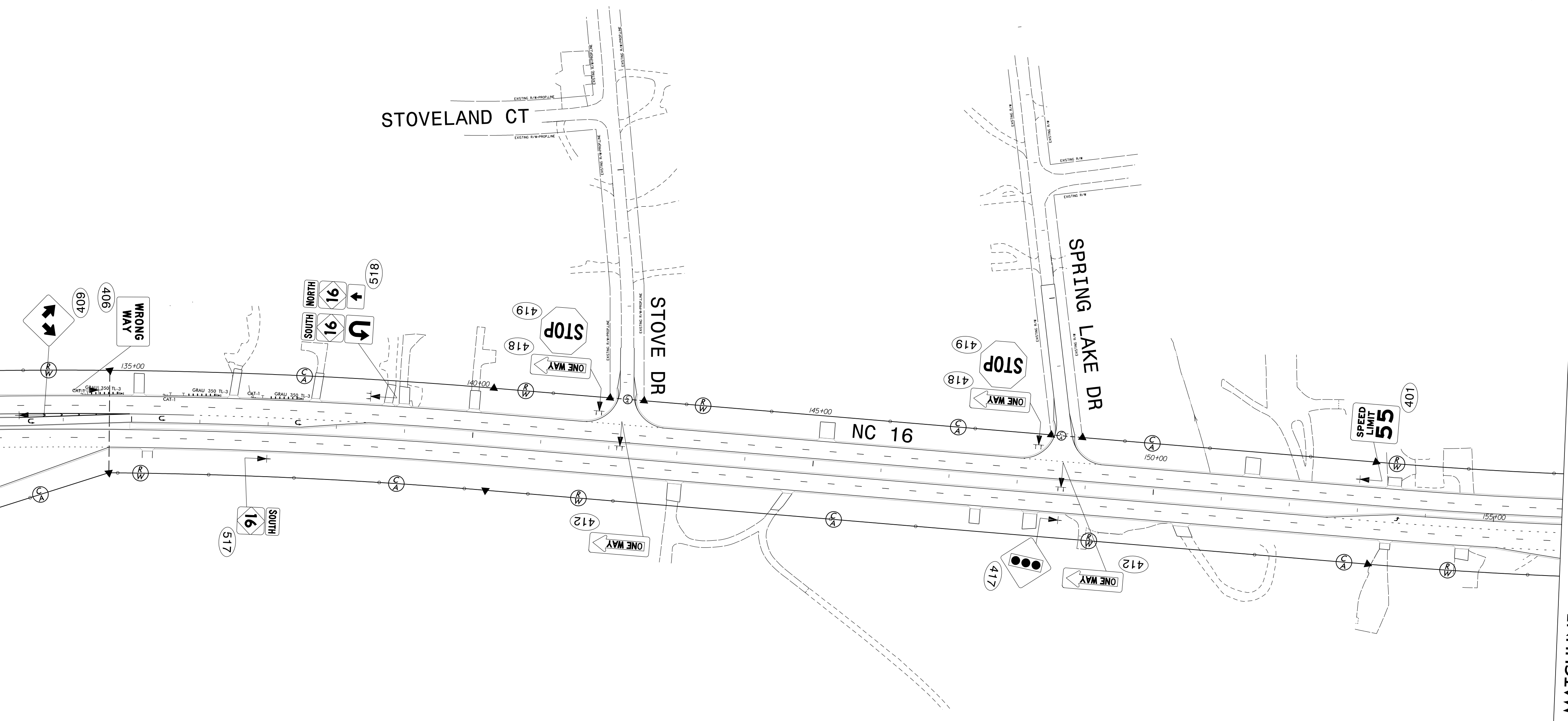
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PROPOSED SIGNING
NC 16
-L- STA 106+00 TO 133+00

TIP NO. R-3100B	SHEET NO. SIGN-17
APPROVED: <i>Betsy L. Watson</i> <small>DocuSigned by: Betsy L. Watson 35E078B34F8743F...</small>	
DATE: 9/19/2016	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	





MATCHLINE -L- STA 133 + 00 SEE SHEET SIGN-16

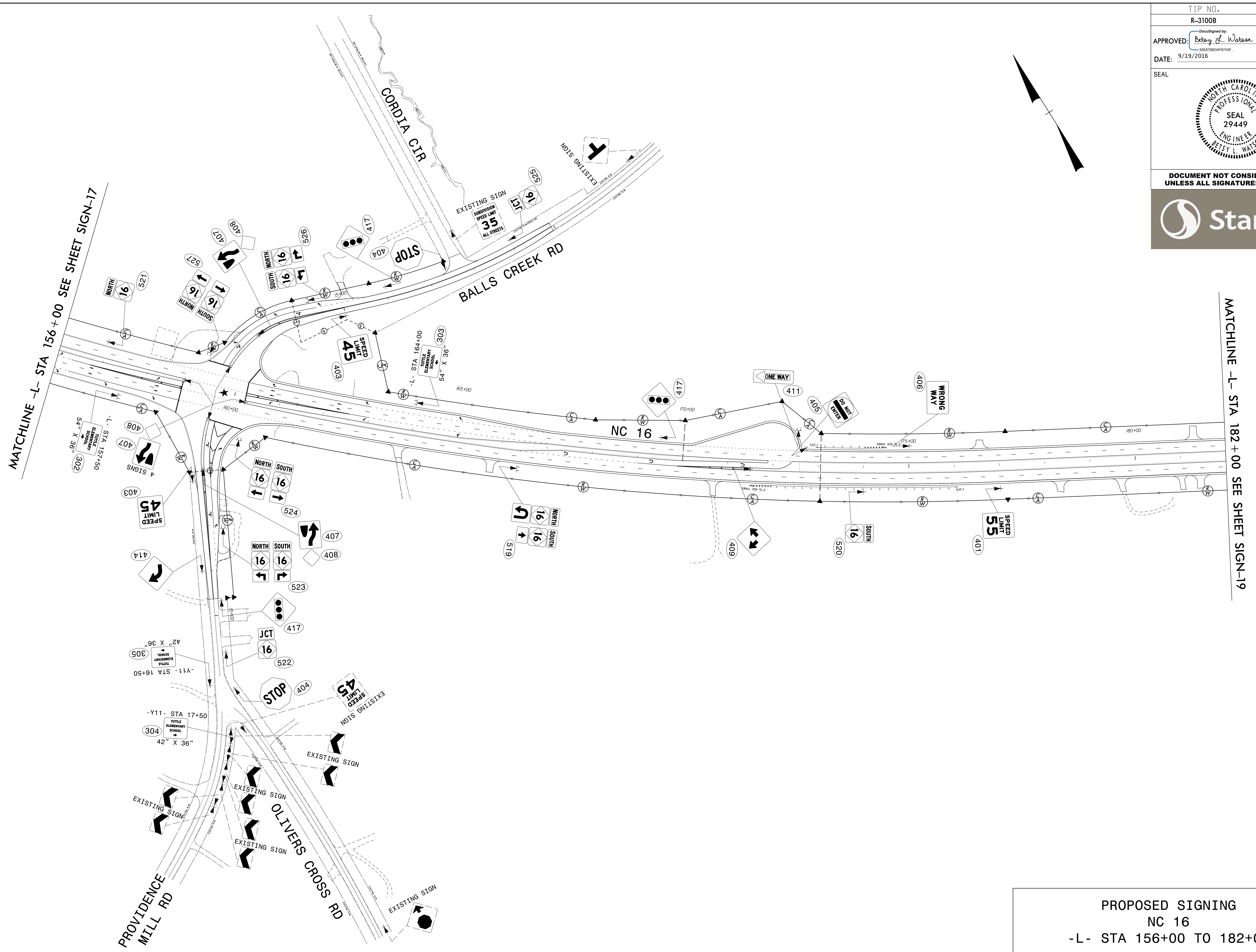
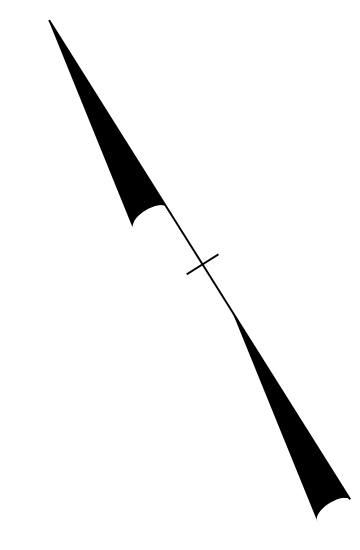


MATCHLINE -L- STA 156 + 00 SEE SHEET SIGN-18

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

PROPOSED SIGNING
NC 16
-L- STA 133+00 TO 156+00

TIP NO. R-3100B	SHEET NO. SIGN-18
APPROVED: <i>Betsy L. Watson</i> DocuSigned by: 35E078B34F8743F...	
DATE: 9/19/2016	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	

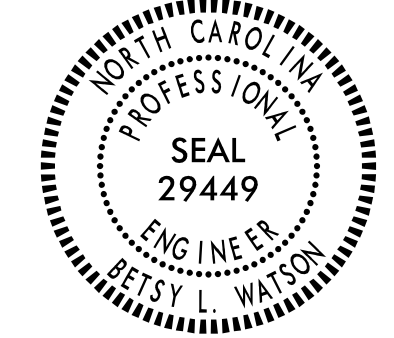



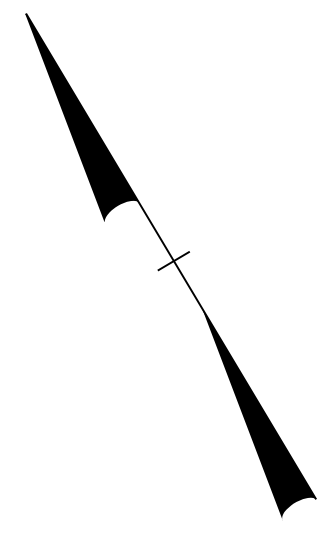
MATCHLINE -L- STA 156+00 SEE SHEET SIGN-17

MATCHLINE -L- STA 182+00 SEE SHEET SIGN-19

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

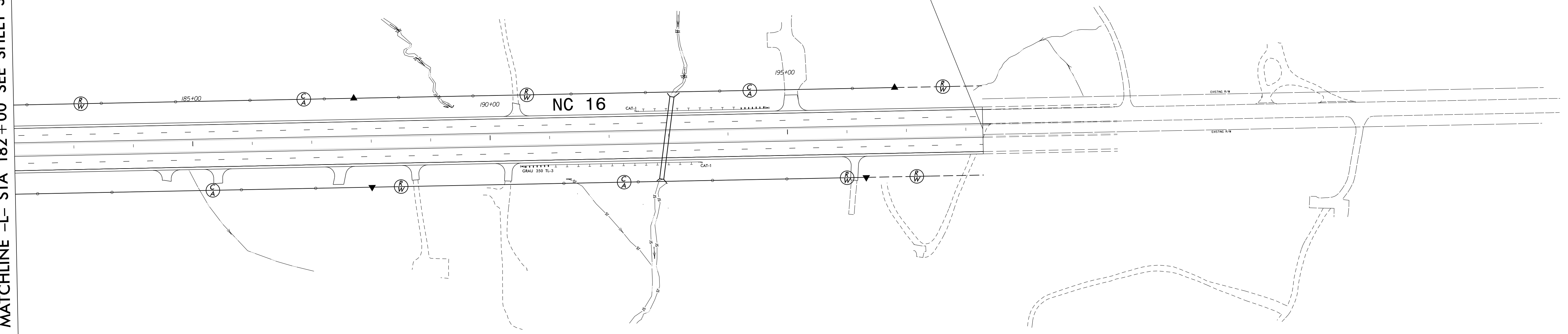
PROPOSED SIGNING
NC 16
-L- STA 156+00 TO 182+00

TIP NO. R-3100B	SHEET NO. SIGN-19
APPROVED: <i>Betsy L. Watson</i> <small>DocuSigned by: Betsy L. Watson 355078834F8743F</small>	
DATE: 9/19/2016	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	



END R-3100B STATE SIGNING PLAN
BEGIN R-3100A -L- STA 198+28

MATCHLINE -L- STA 182+00 SEE SHEET SIGN-18



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

PROPOSED SIGNING
 NC 16
 -L- STA 182+00 TO 198+28+/-