T.I.P.: R-2518B

CONTRACT: C202007

METRIC

TIP NO.	SHEET NO.
R-2518B	SIGN-01

APPROVED: Aman Alqudwah

DATE: 3/24/08

SEAL

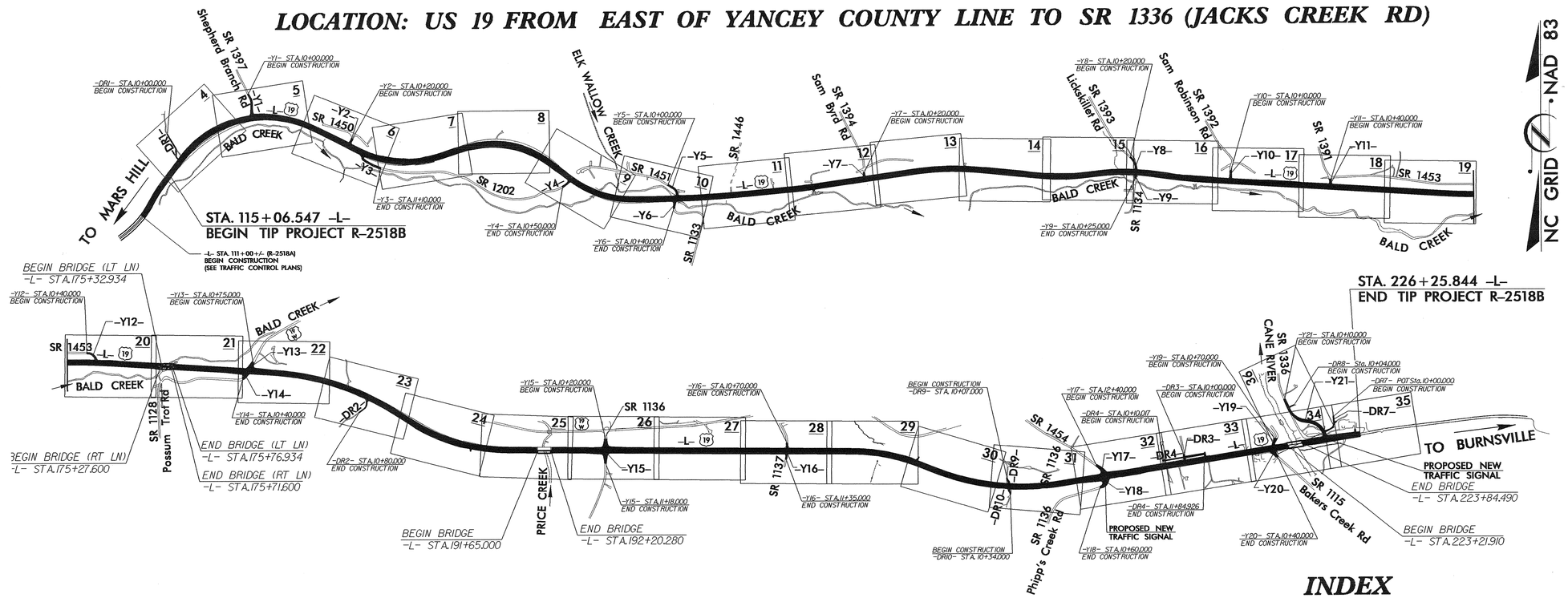
NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AMAN I. ALQUDWAH

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

YANCEY COUNTY

LOCATION: US 19 FROM EAST OF YANCEY COUNTY LINE TO SR 1336 (JACKS CREEK RD)



INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUMMARY OF QUANTITIES and NOTES
3	SIGN DESIGNS
4	E SHEETS
5	F SHEETS
6 – 21	SIGN ROADWAY SHEETS

PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION

R.W. KING, P.E. — SIGNING ENGINEER

A. ALQUDWAH, P.E. — SIGNING PROJECT ENGINEER

J.G. MARTINEZ — SIGNING PROJECT DESIGN ENGINEER

W.R. DAKDUK — SIGNING DESIGNER

ROADWAY STANDARD DRAWINGS APPLICABLE TO THESE SIGNING PLANS

901.50
904.10
904.50

METRIC

TIP NO.	SHEET NO.
R-2518B	SIGN-02

APPROVED: Ayman Alqudwah

DATE: 7/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH

ITEM NO.		ITEM DESCRIPTION		
DESCRIPTION NO.	SECT. NO.			
4072000000	903	SUPPORTS, 4.5 KG STEEL U-CHANNEL.....	1,701	L.M.
4096000000	904	SIGN ERCTION, TYPE D	2	EA.
4102000000	904	SIGN ERECTION, TYPE E	353	EA.
4108000000	904	SIGN ERECTION, TYPE F	11	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D	8	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	118	EA.

Pay Item Notes:

1	RELOCATE SIGN, TYPE D
2	DISPOSAL OF SUPPORT, U-CHANNEL
3	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

General Notes:

- SIGNS FURNISHED BY STATE
- 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.
- SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRAFFIC CONTROL PLANS.
- 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 III REFLECTIVE SHEETING. SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES AND NOTES

$$$$SYTIME$$$$
$$$$DATE$$$$
$$$$FILENAME$$$$

TIP NO.	SHEET NO.
R-2518B	SIGN-03

APPROVED: Lyman Alquadrah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER LYMAN I. ALQUDRAH

SIGN NUMBER: 301, 302
TYPE: D
QUANTITY: 2

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 2200mm
HEIGHT: 500mm
TOTAL AREA: 1.1 Sq.m

BORDER TYPE: FLUSH
RECESS: 10mm
WIDTH: 16mm
RADII: 30mm

NO. Z BARS:
LENGTH:

MAT'L: 0.125" (3.2 mm) ALUMINUM

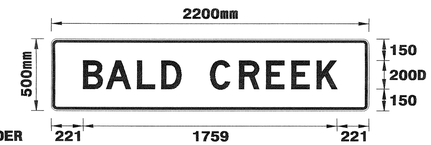
DESIGN BY: WRD
PROJECT ID: R-2518B

CHECKED BY:
DIV: 13

DATE: Mar 24, 2008

USE NOTES: 1,2

1. Legend and border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.



BORDER
R=30mm
TH=16mm
IN=10mm

Mount on Two "U" posts

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

																											Series/Size Text Length
	B	A	L	D		C	R	E	E	K																	D 2000
221	160	215	169	136	200	202	187	175	175	140	221																1759

FILENAME: R-2518B Sign Design

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 431
TYPE: E
QUANTITY: 6

BACKG COLOR: White
COPY COLOR: Black

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 600mm
HEIGHT: 450mm
TOTAL AREA: 0.3 Sq.m

BORDER TYPE: FLUSH
RECESS: 10mm
WIDTH: 16mm
RADII: 30mm

NO. Z BARS:
LENGTH:

MAT'L: 0.063" (1.6 mm) ALUMINUM

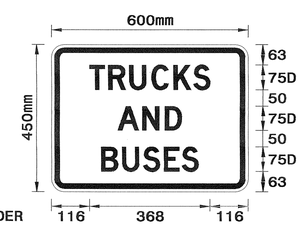
DESIGN BY: WRD
PROJECT ID: R-2518B

CHECKED BY:
DIV: DIV 13

DATE: Dec 07, 2007

USE NOTES:

1. Legend and border shall be direct applied Grade C reflective sheeting.
2. Background shall be Grade C reflective sheeting.



BORDER
R=30mm
TH=16mm
IN=10mm

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

																											Series/Size Text Length
	T	R	U	C	K	S																					D 2000
116	58	64	68	68	60	51	116																				368
	A	N	D																								D 2000
203	75	69	51	203																							195
	B	U	S	E	S																						D 2000
152	64	64	64	54	51	152																					296

FILENAME: R-2518B Sign Design

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS

TIP NO.	SHEET NO.
R-2518B	SIGN-04

METRIC

APPROVED: Ayman Alquadwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH

NOTE: THIS DRAWING IS DIMENSIONED IN MILIMETERS UNLESS OTHERWISE DEPICTED WITHIN THE DRAWING.

(401) QUANTITY REQ'D 2

610 X 762
R2-1

ONE "U" POST PER SIGN

(410) QUANTITY REQ'D 37

914 X 610
R5-1a

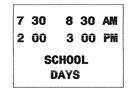
ONE "U" POST PER SIGN

(416) QUANTITY REQ'D 46

610 X 762
R4-7

ONE "U" POST PER SIGN

(425) QUANTITY REQ'D 4



610 X 610
S4-1a

MOUNT BELOW SIGN 434
IN 2 INSTALLATIONS
MOUNT BELOW SIGN 403
IN 2 INSTALLATIONS

(435) QUANTITY REQ'D 1

900 X 900
W11-1

ONE "U" POST PER SIGN

(445) QUANTITY REQ'D 1

914 X 914
W2-2

ONE "U" POST PER SIGN

(402) QUANTITY REQ'D 18

1219 X 1524
R2-1

TWO "U" POSTS PER SIGN

(411) QUANTITY REQ'D 43

762 X 762
R5-1

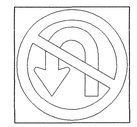
ONE "U" POST PER SIGN

(417) QUANTITY REQ'D 46

457 X 457
W23-15

MOUNT BELOW SIGN 416
IN 46 INSTALLATIONS

(430) QUANTITY REQ'D 6



610 X 610
R3-4

ONE "U" POST PER SIGN

(436) QUANTITY REQ'D 1

600 X 750
W11-1

MOUNT BELOW SIGN 435
IN 1 INSTALLATION

(446) QUANTITY REQ'D 1

914 X 914
W2-2

ONE "U" POST PER SIGN

(403) QUANTITY REQ'D 4

610 X 762
R2-1

ONE "U" POST PER SIGN

(412) QUANTITY REQ'D 1

914 X 914 X 914
R1-2

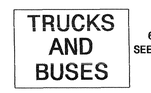
ONE "U" POST PER SIGN

(421) QUANTITY REQ'D 4

762 X 245
S4-3

MOUNT ABOVE SIGN 403
IN 2 INSTALLATIONS
MOUNT ABOVE SIGN 434
IN 2 INSTALLATIONS

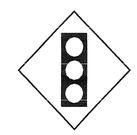
(431) QUANTITY REQ'D 6



610 X 457
SEE SIGN DESIGN

MOUNT BELOW SIGN 430
IN 6 INSTALLATION

(438) QUANTITY REQ'D 3



914 X 914
W3-3

ONE "U" POST PER SIGN

(450) QUANTITY REQ'D 3

1219 X 1219
W17-12

TWO "U" POSTS PER SIGN

(408) QUANTITY REQ'D 36

762 X 762
R1-1

ONE "U" POST PER SIGN

(413) QUANTITY REQ'D 33

1372 X 457
R6-1 (R)

TWO "U" POSTS PER SIGN

(422) QUANTITY REQ'D 2

914 X 914
S1-1

YELLOW/GREEN REFLECTIVE SHEETING

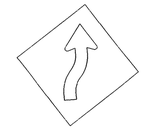
ONE "U" POSTS PER SIGN

(432) QUANTITY REQ'D 1

762 X 762
W11-2

YELLOW/GREEN REFLECTIVE SHEETING
ONE "U" POST PER SIGN

(441) QUANTITY REQ'D 1



762 X 762
W1-4R

ONE "U" POST PER SIGN

(458) QUANTITY REQ'D 2

762 X 762
W14-2

ONE "U" POST PER SIGN

(409) QUANTITY REQ'D 12

914 X 914
W3-1a

ONE "U" POST PER SIGN

(414) QUANTITY REQ'D 26

1372 X 457
R6-1 (L)

TWO "U" POSTS PER SIGN
MOUNT BACK TO BACK WITH SIGN 413
IN 16 LOCATIONS

(423) QUANTITY REQ'D 2

610 X 762
S5-2

MOUNT ABOVE SIGN 402
IN 2 INSTALLATION

(434) QUANTITY REQ'D 2

610 x 762
R2-5a

ONE "U" POST PER SIGN

(442) QUANTITY REQ'D 8

600 X 600
R3-2

MOUNT BELOW SIGN 408
IN 8 INSTALLATIONS

TYPE "E" SIGNS

TIP NO.	SHEET NO.
R-2518B	SIGN-05

METRIC

APPROVED: Ayman Alquduwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDUWAH

(501)

NORTH 19 — 1- 610 X 305; 1- 610 X 610

ONE "U" POST PER SIGN

(502)

SOUTH 19 — 1- 610 X 305; 1- 610 X 610

ONE "U" POST PER SIGN

(503)

NORTH 19W, NORTH 19E — 2- 610 X 305; 2- 610 X 610; 2- 530 X 380

TWO "U" POST PER SIGN

(504)

JCT 19W, JCT 19E — 2- 530 X 380; 2- 610 X 610

TWO "U" POST PER SIGN

(505)

SOUTH 19, NORTH 19W — 2- 610 X 305; 2- 610 X 610; 2- 530 X 380

TWO "U" POST PER SIGN

(506)

NORTH 19W — 1- 610 X 305; 1- 610 X 610

ONE "U" POST PER SIGN

(507)

NORTH 19E, SOUTH 19 — 2- 610 X 305; 2- 610 X 610; 2- 530 X 380

TWO "U" POST PER SIGN

(508)

JCT 19, JCT 19W — 2- 530 X 380; 2- 610 X 610

TWO "U" POST PER SIGN

(509)

SOUTH 19, NORTH 19W — 2- 610 X 305; 2- 610 X 610; 2- 530 X 380

TWO "U" POST PER SIGN

(510)

NORTH 19E, SOUTH 19 — 2- 610 X 305; 2- 610 X 610; 2- 530 X 380

TWO "U" POST PER SIGN

(511)

NORTH 19W, NORTH 19E — 2- 610 X 305; 2- 610 X 610; 2- 530 X 380

TWO "U" POST PER SIGN

NOTE: THIS DRAWING IS DIMENSIONED IN MILIMETERS UNLESS OTHERWISE DEPICTED WITHIN THE DRAWING.

TYPE "F" SIGNS

TIP NO.	SHEET NO.
R-2518B	SIGN-06

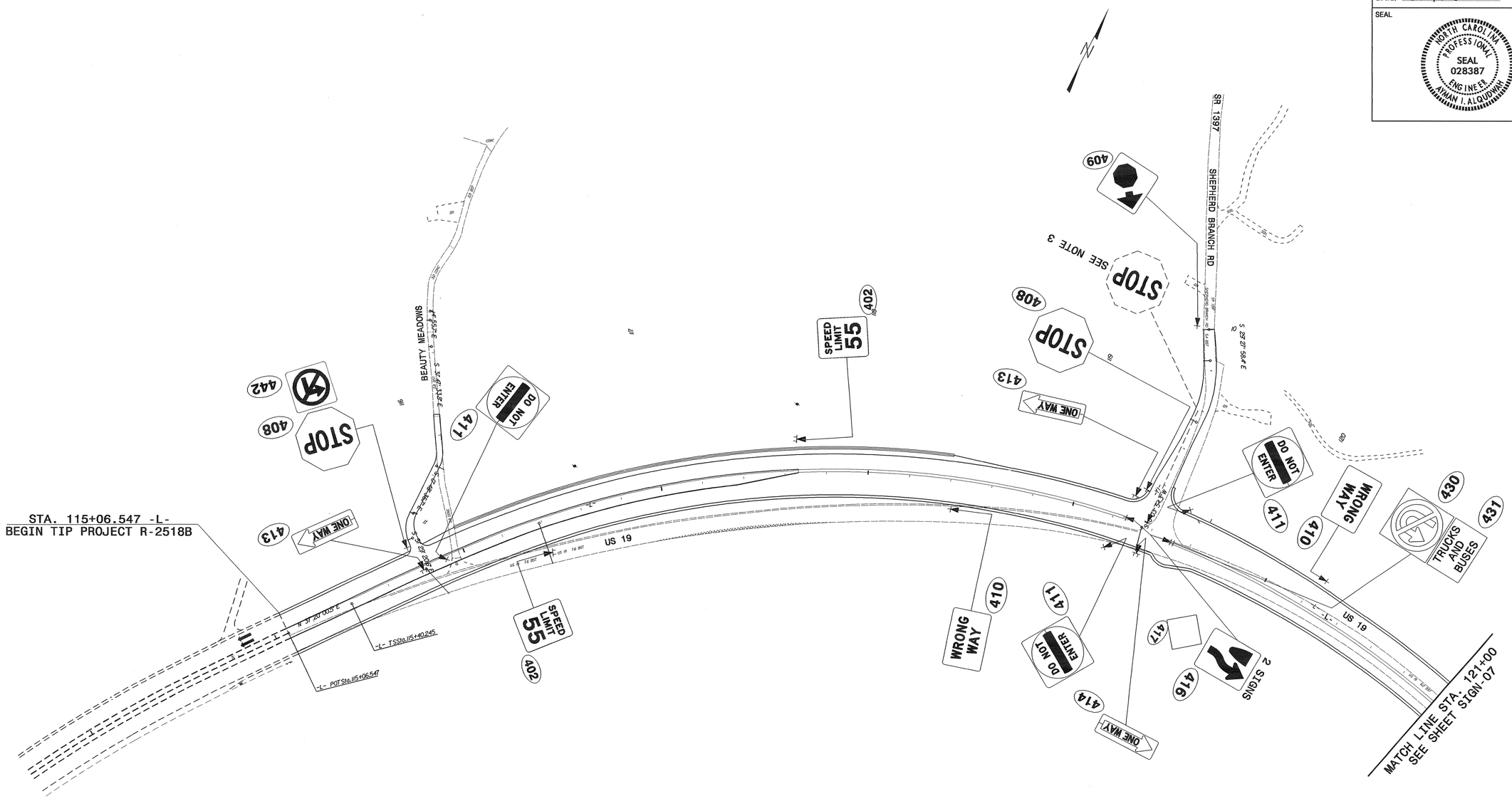
METRIC

APPROVED: Ayman Alqudwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 115+06.547 TO STA. 121+00

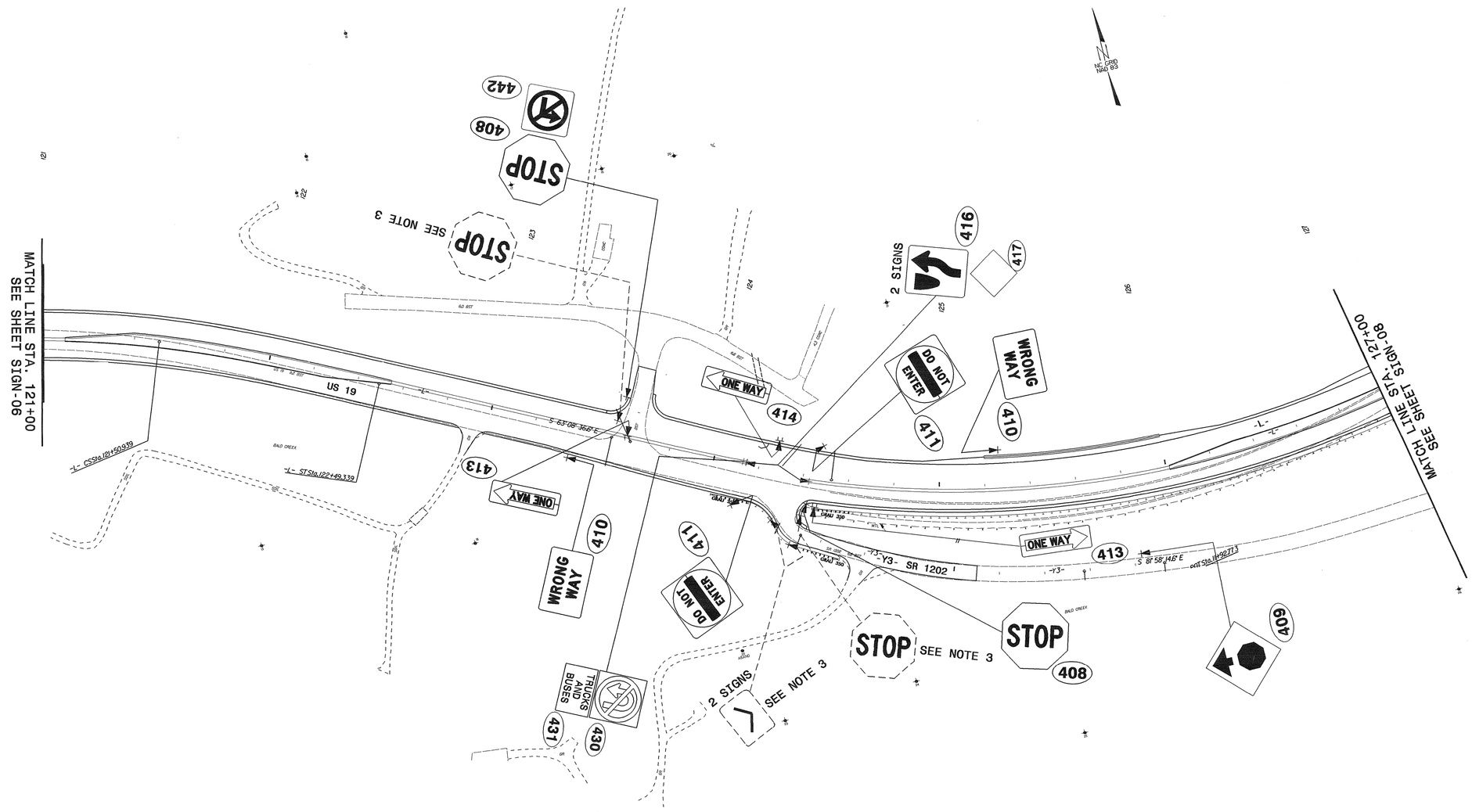
TIP NO.	SHEET NO.
R-2518B	SIGN-07

APPROVED: Ayman Alquduah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDUAH



EXISTING AND PROPOSED SIGNS
STA. 121+00 TO STA. 127+00

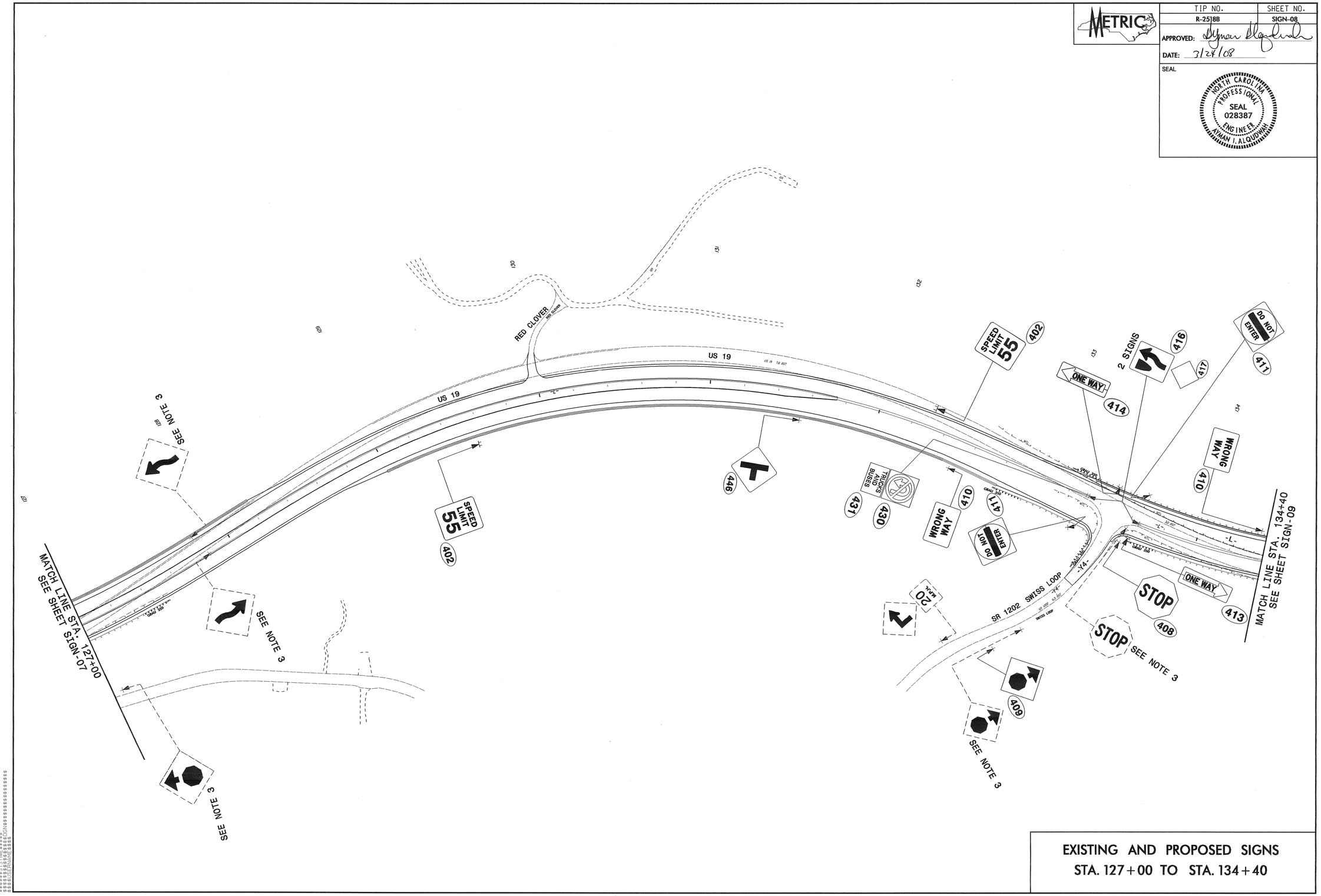
TIP NO.	SHEET NO.
R-2518B	SIGN-08

APPROVED: Ayman Alqudwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 127+00 TO STA. 134+40

METRIC

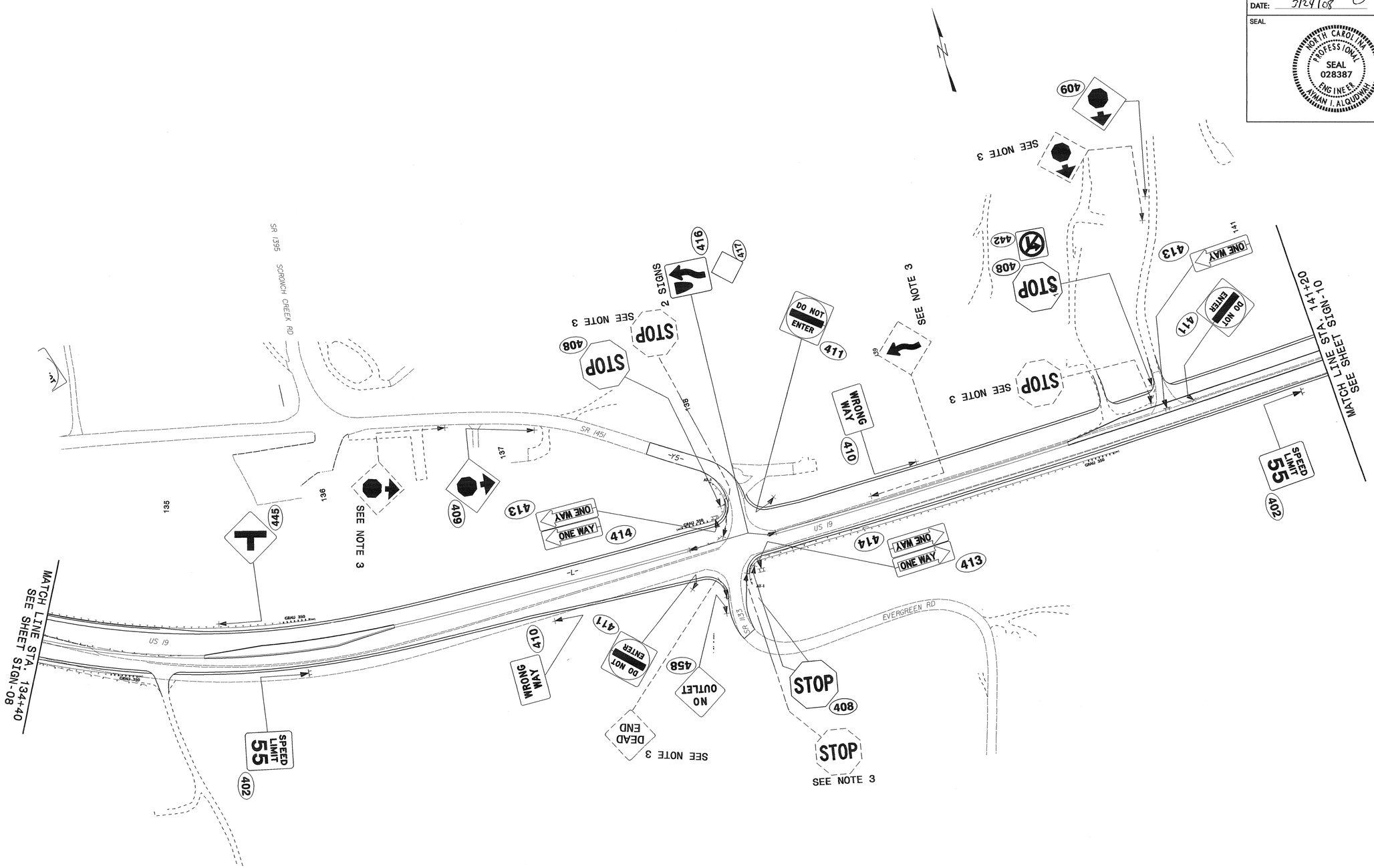
TIP NO.	SHEET NO.
R-2518B	SIGN-09

APPROVED: Ayman Alqudwah

DATE: 5/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 134+40 TO STA. 141+20

METRIC

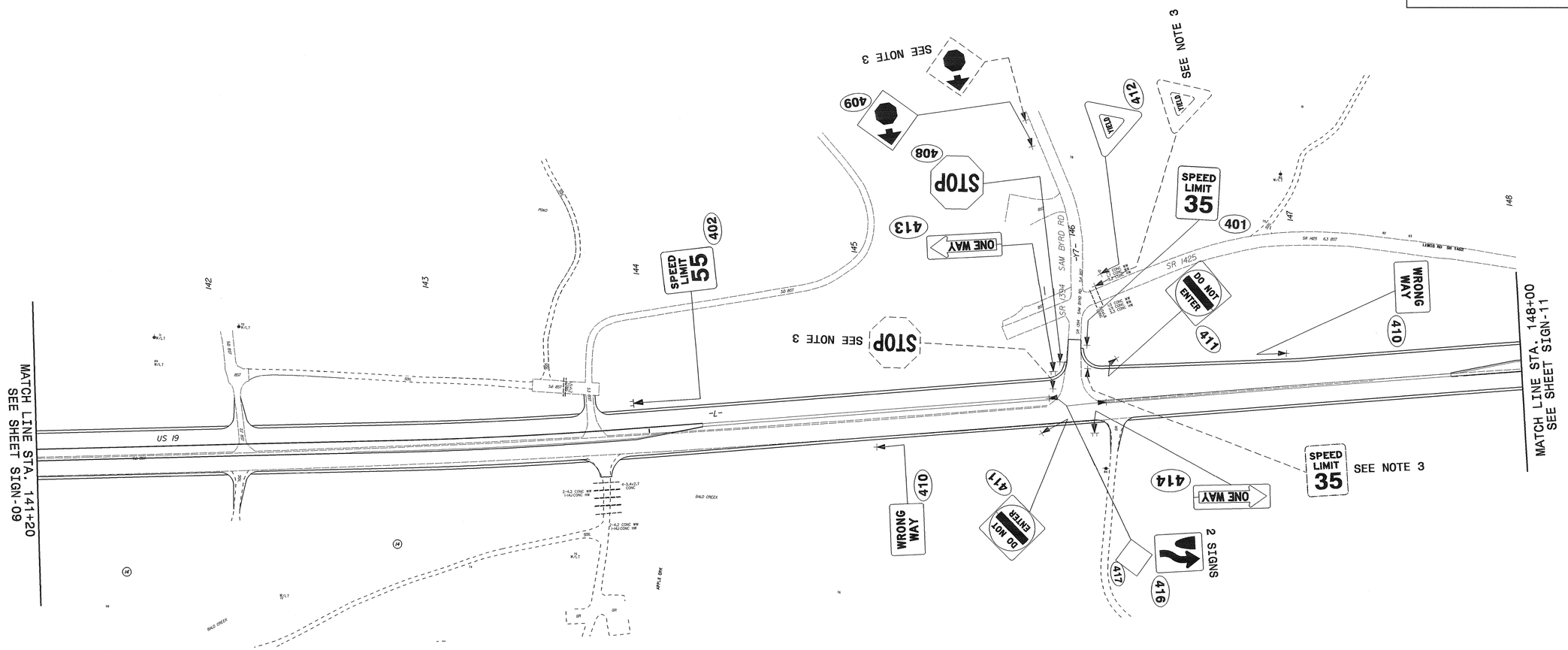
TIP NO.	SHEET NO.
R-2518B	SIGN-10

APPROVED: Ayman Alqudwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 141+40 TO STA. 148+00

METRIC

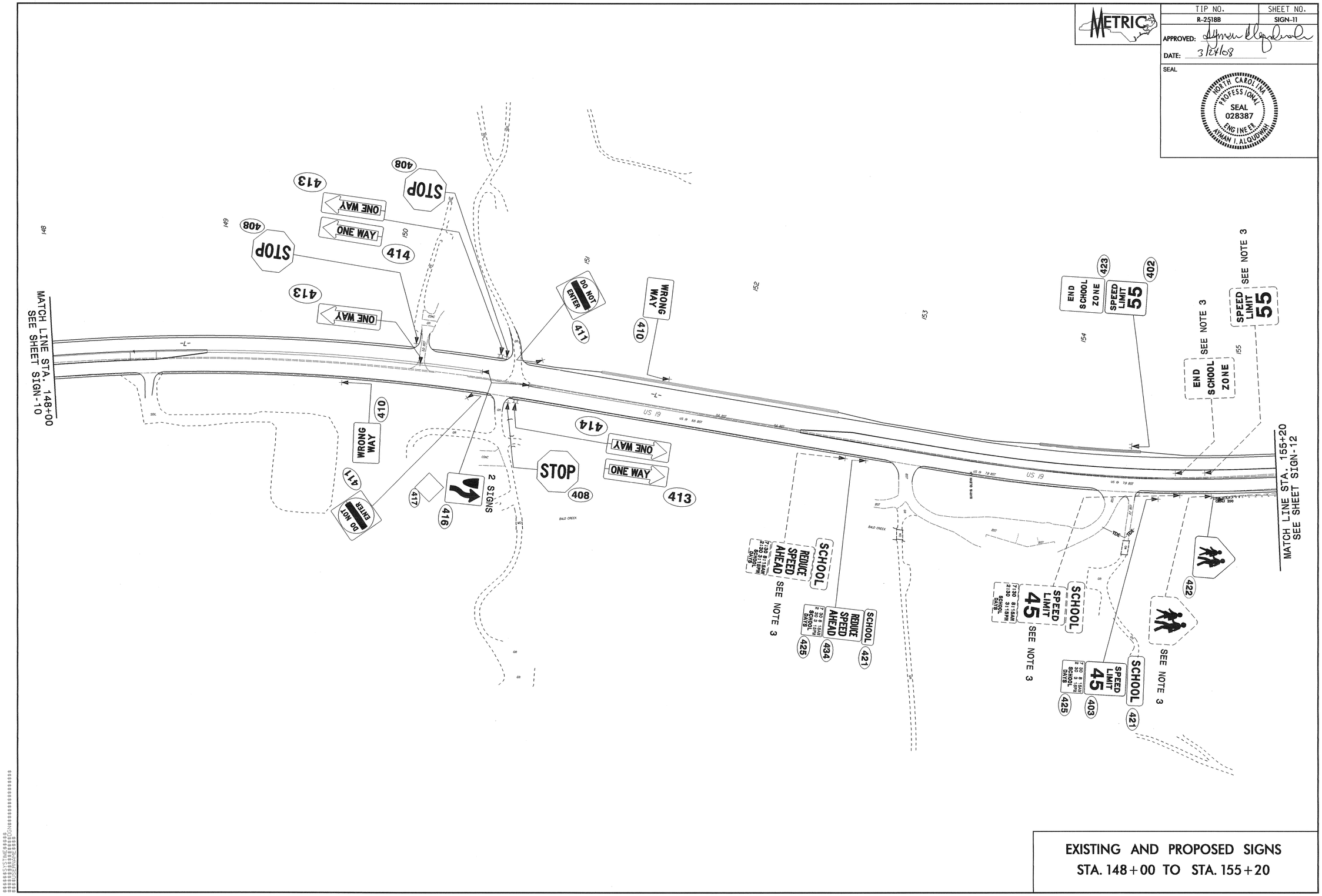
TIP NO.	SHEET NO.
R-2518B	SIGN-11

APPROVED: Ayman Alqudwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 148+00 TO STA. 155+20

METRIC

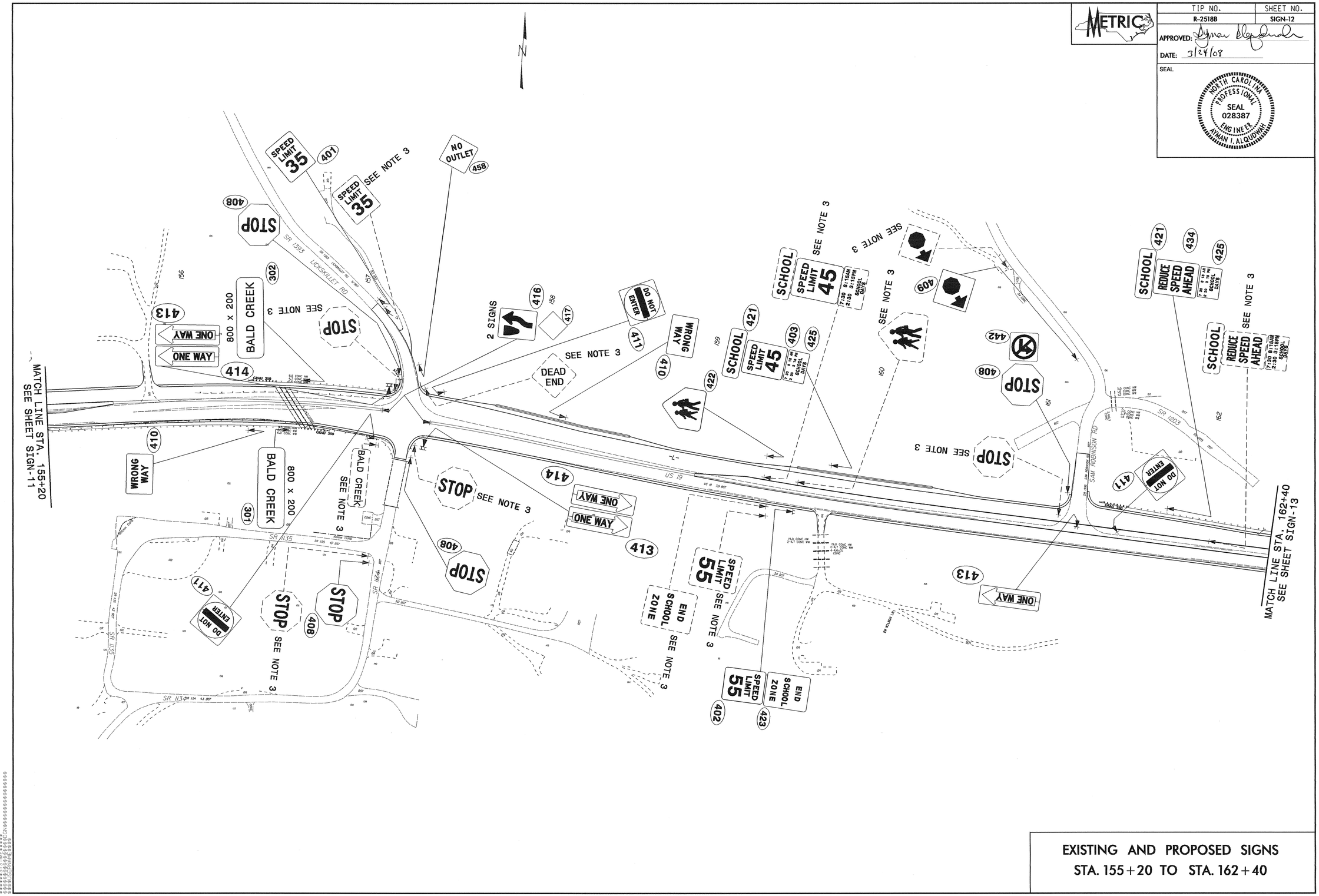
TIP NO.	SHEET NO.
R-2518B	SIGN-12

APPROVED: Lyman Alqudwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 155+20 TO STA. 162+40

METRIC

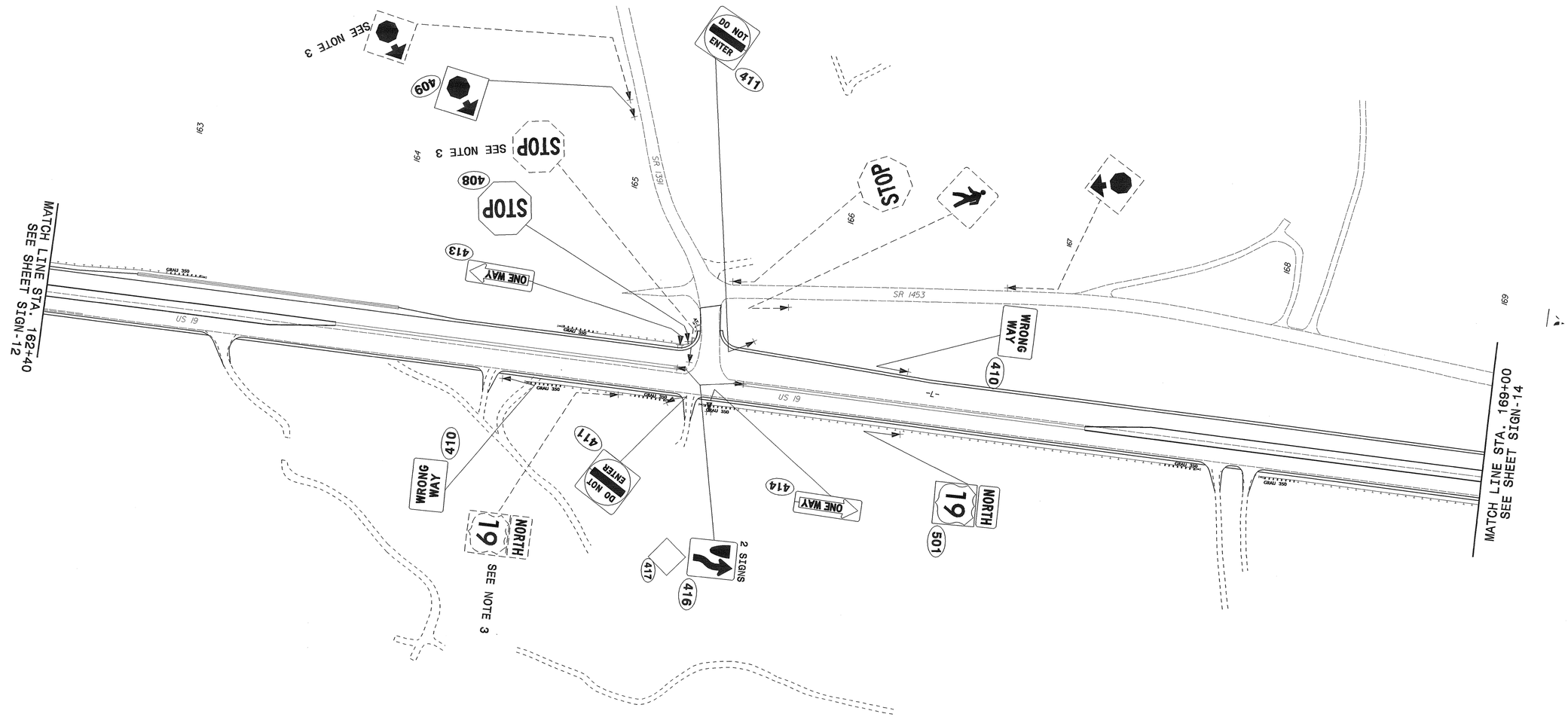
TIP NO.	SHEET NO.
R-2518B	SIGN-13

APPROVED: Ayman Alquduwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 162+40 TO STA. 169+00

METRIC

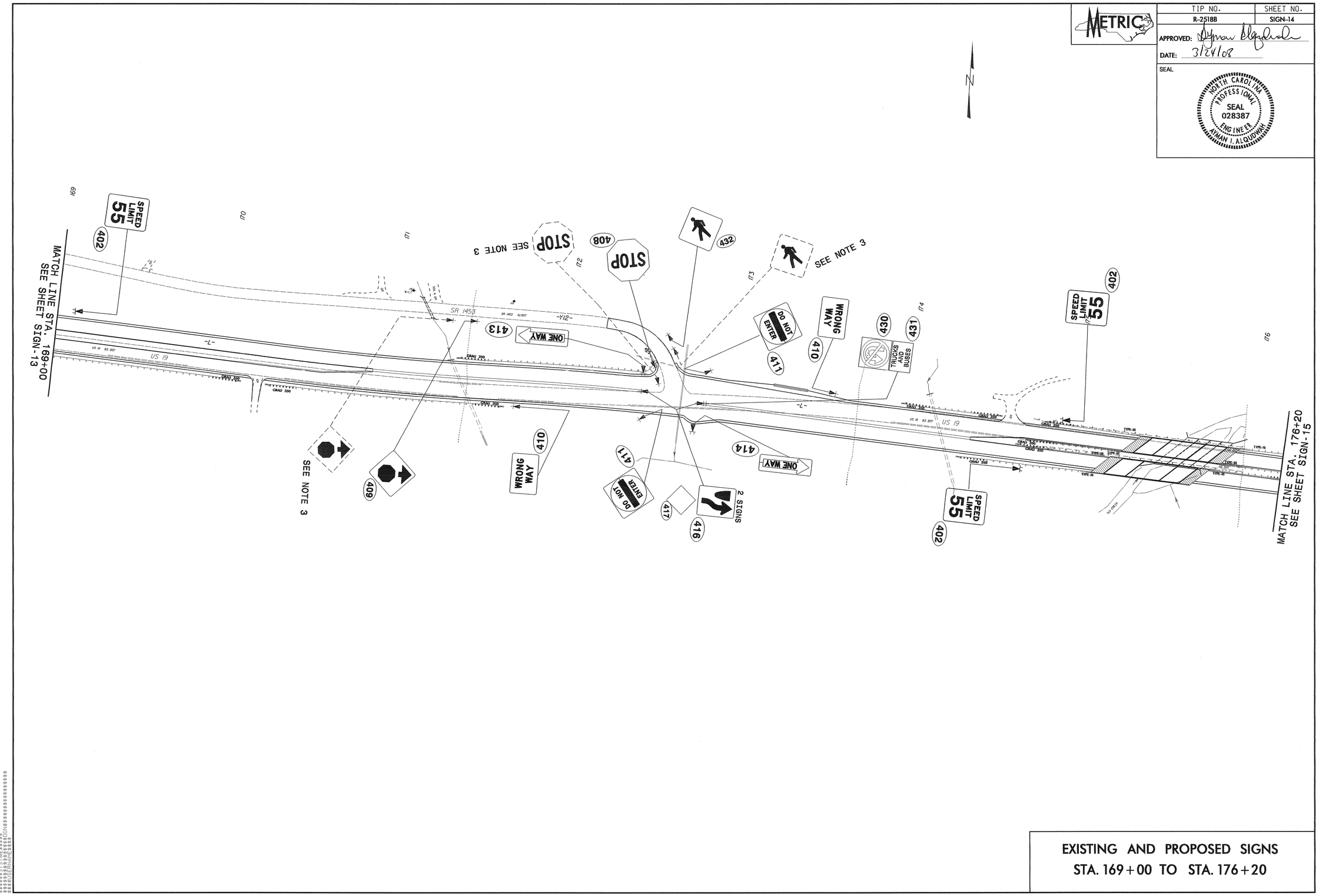
TIP NO.	SHEET NO.
R-2518B	SIGN-14

APPROVED: Ayman Alqudwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 169+00 TO STA. 176+20

METRIC

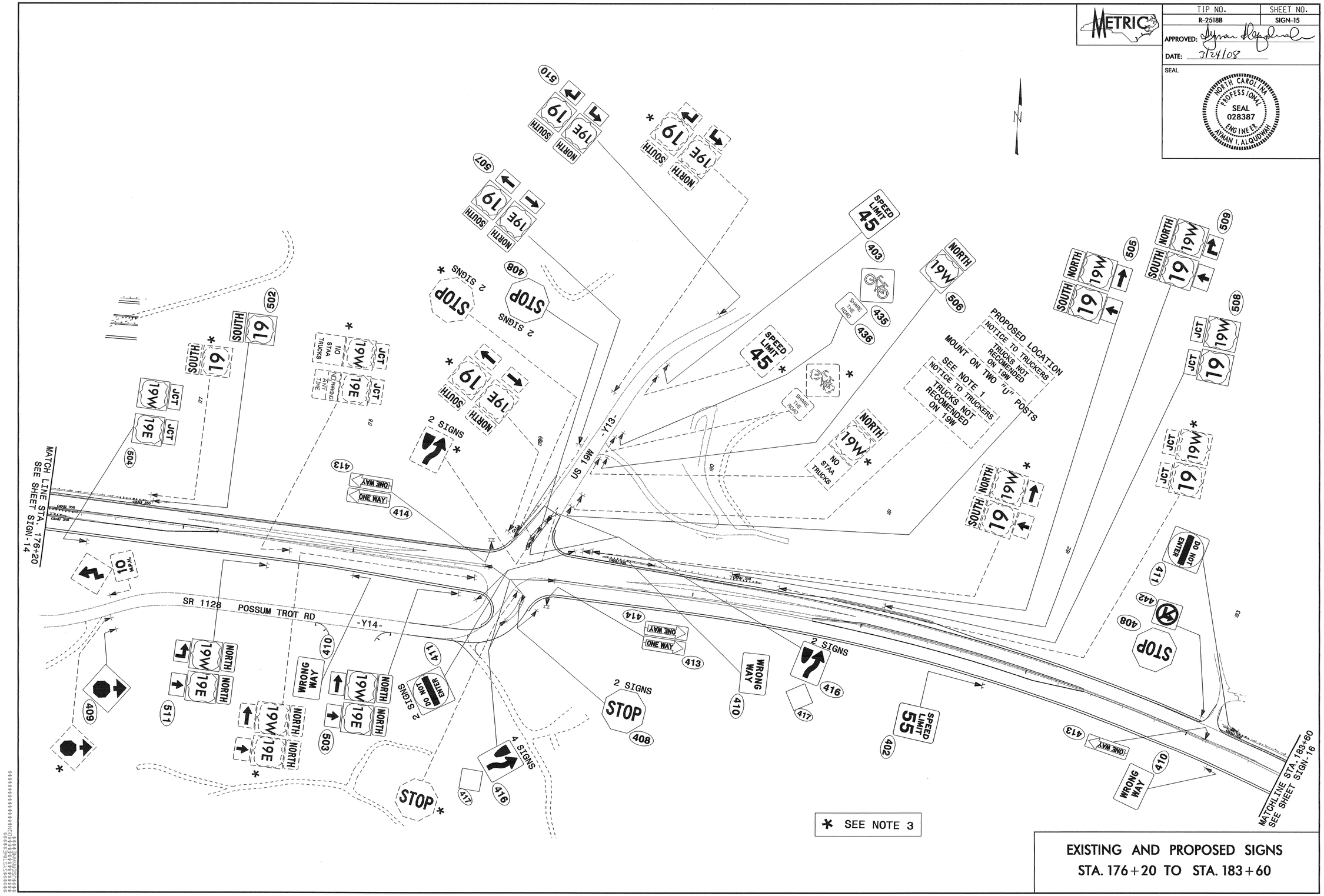
TIP NO.	SHEET NO.
R-2518B	SIGN-15

APPROVED: Ayman Alqudwah

DATE: 1/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 176+20 TO STA. 183+60

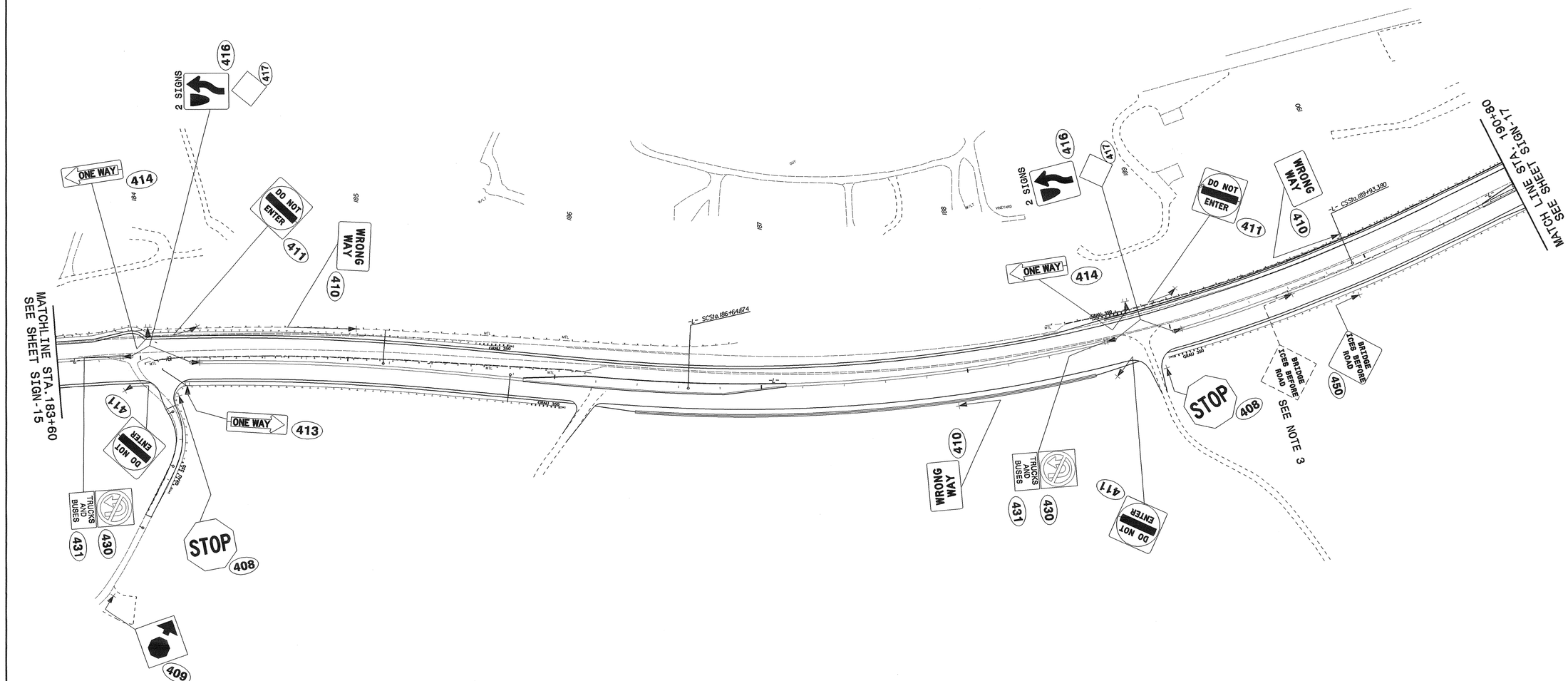
TIP NO.	SHEET NO.
R-2518B	SIGN-16

APPROVED: [signature]

DATE: 3/24/09

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 183+60 TO STA. 190+80

METRIC

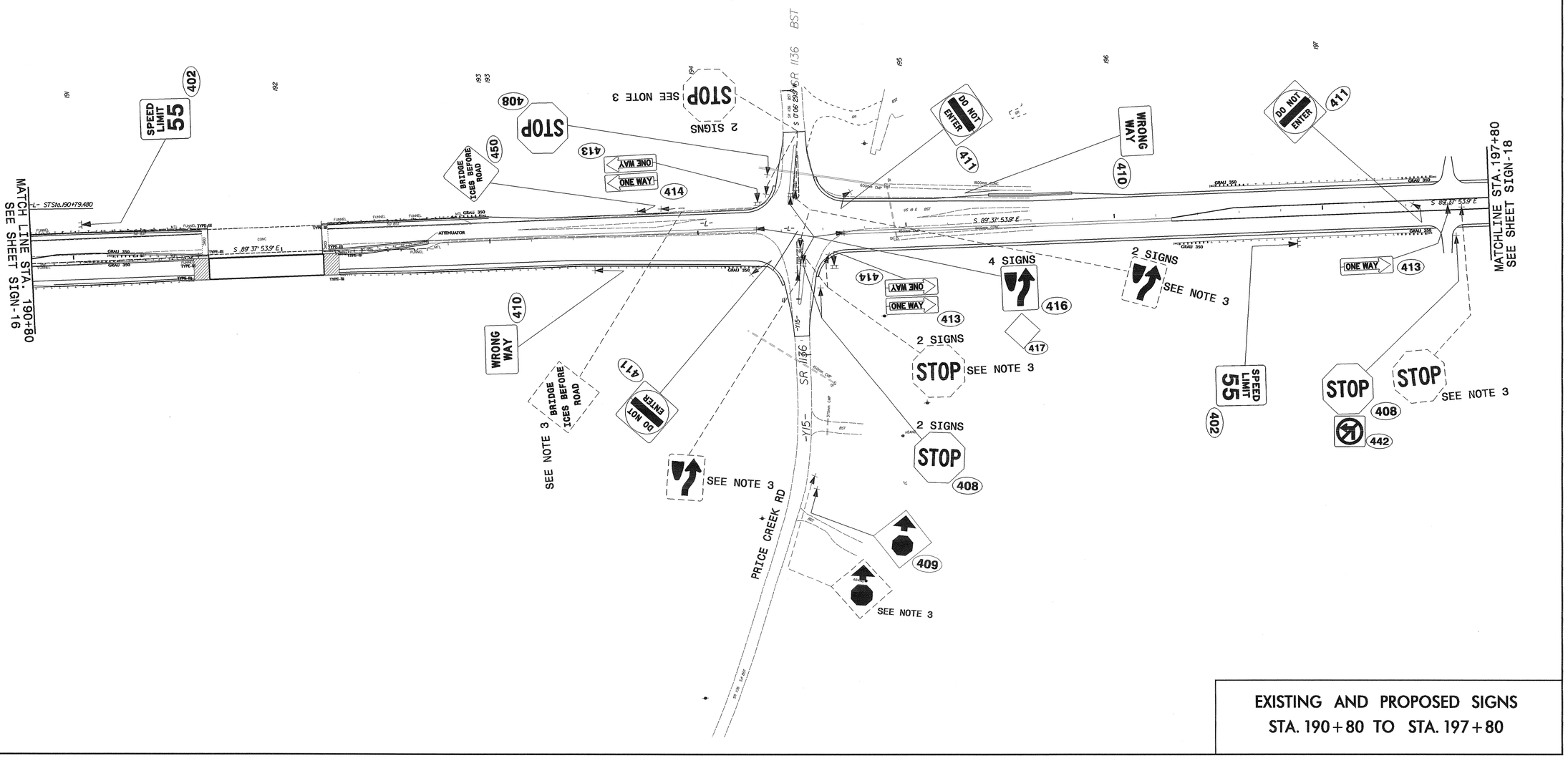
TIP NO.	SHEET NO.
R-2518B	SIGN-17

APPROVED: Ayman Alquduwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDUWAH



EXISTING AND PROPOSED SIGNS
STA. 190+80 TO STA. 197+80

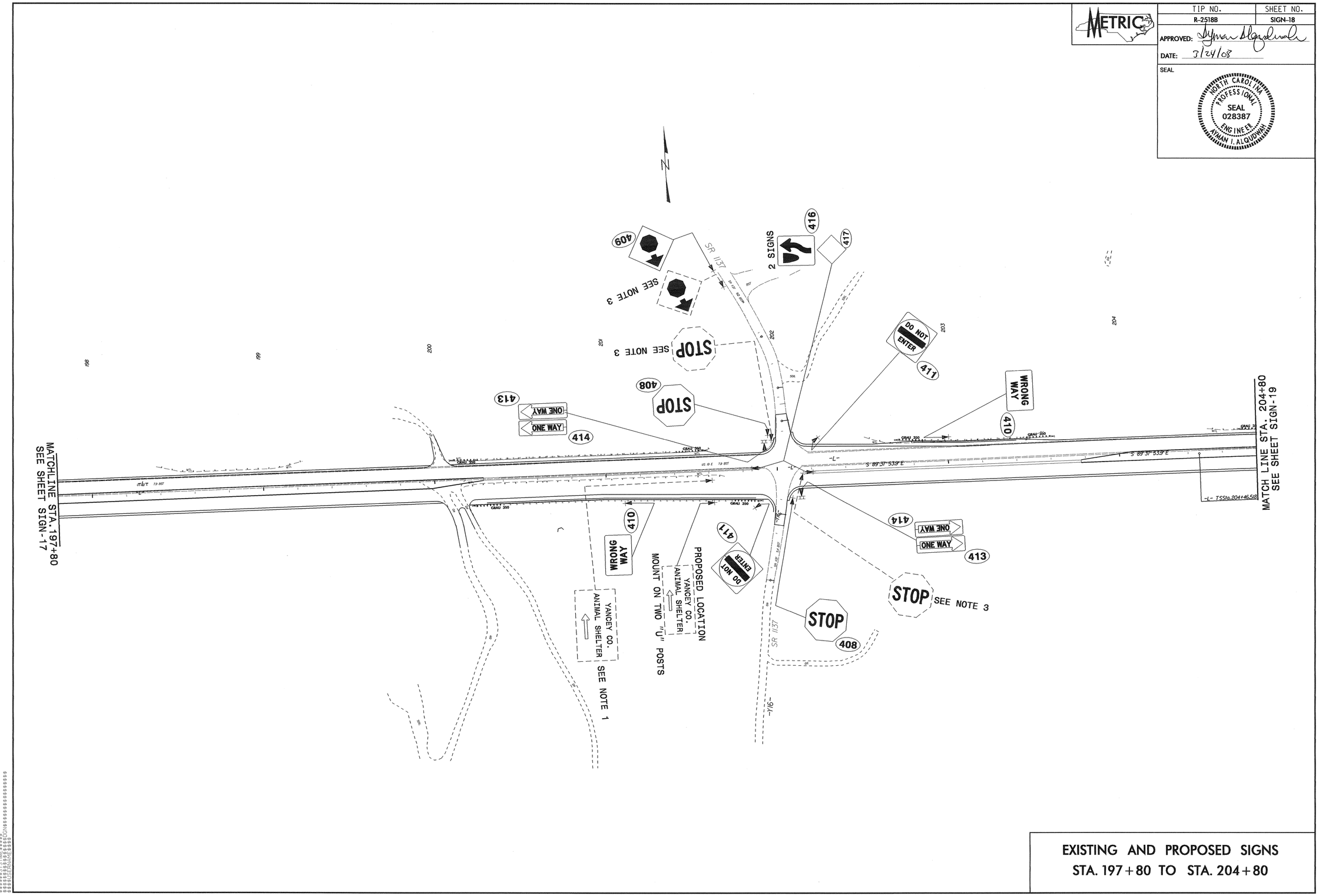
TIP NO.	SHEET NO.
R-2518B	SIGN-18

APPROVED: Ayman Alqudwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 197+80 TO STA. 204+80

METRIC

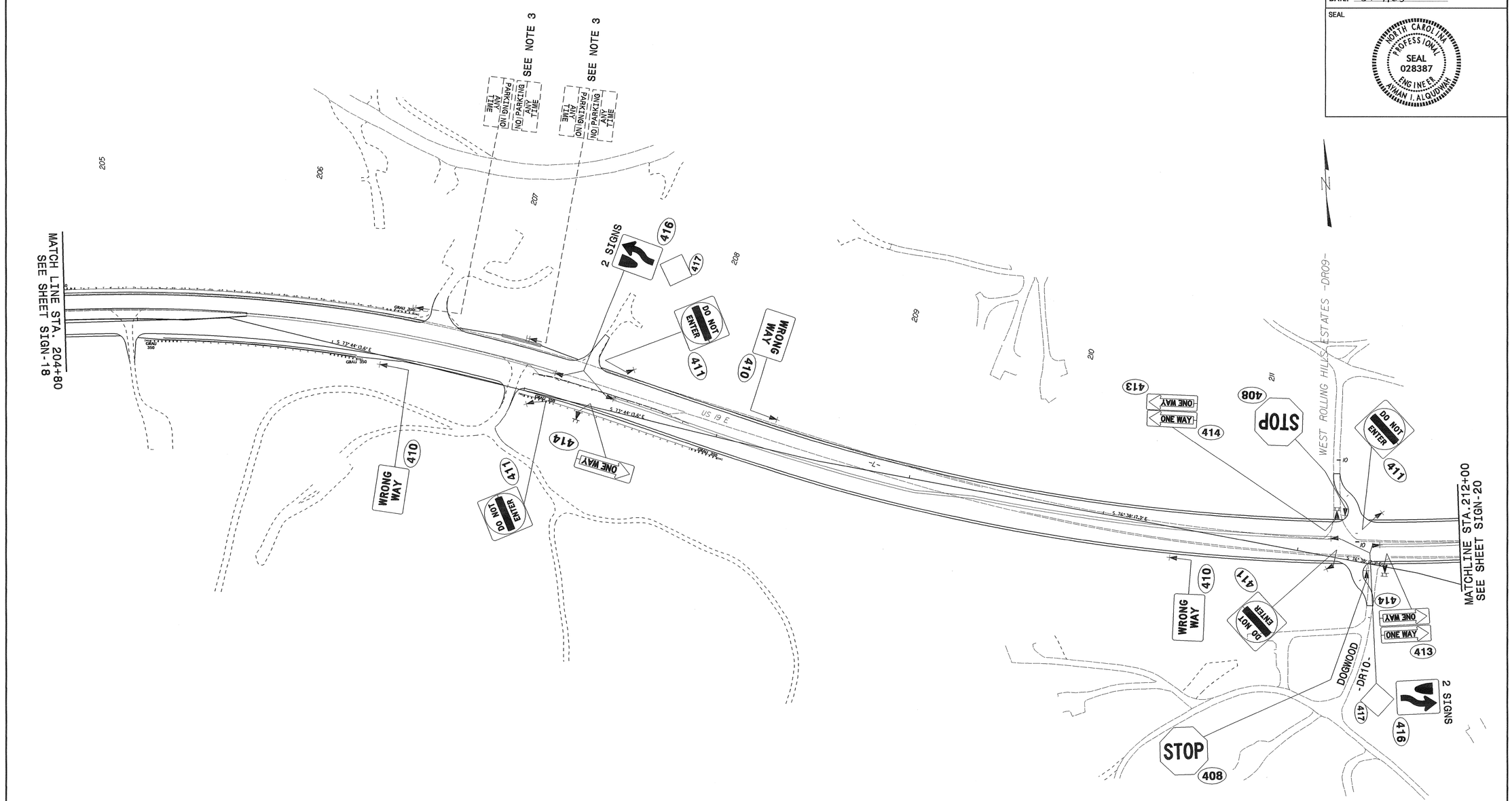
TIP NO.	SHEET NO.
R-2518B	SIGN-19

APPROVED: Ayman Alqudwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 204+80 TO STA. 212+00

METRIC

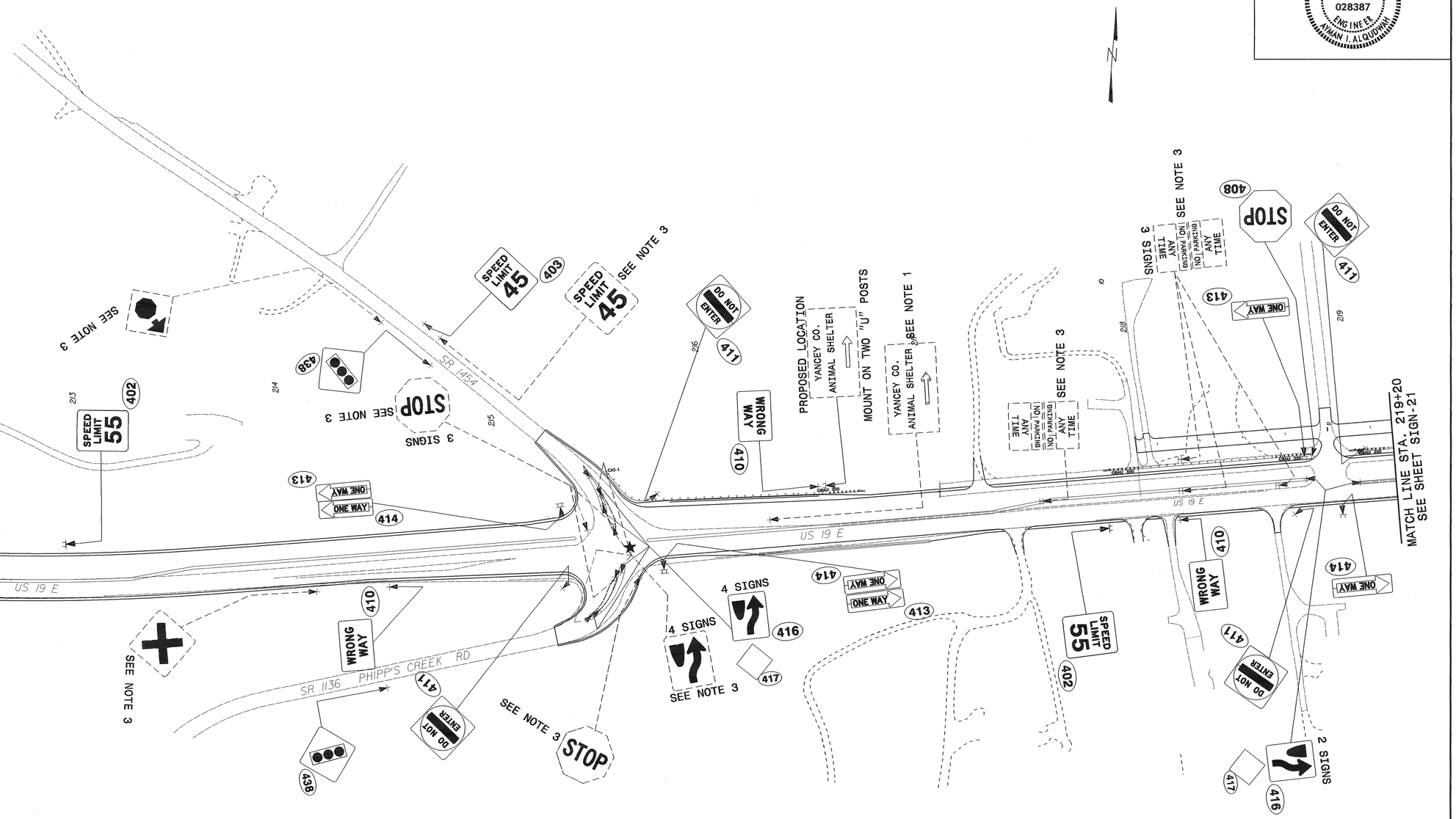
TIP NO.	SHEET NO.
R-2518B	SIGN-20

APPROVED: Ayman Alqudwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDWAH



EXISTING AND PROPOSED SIGNS
STA. 212+00 TO STA. 219+20

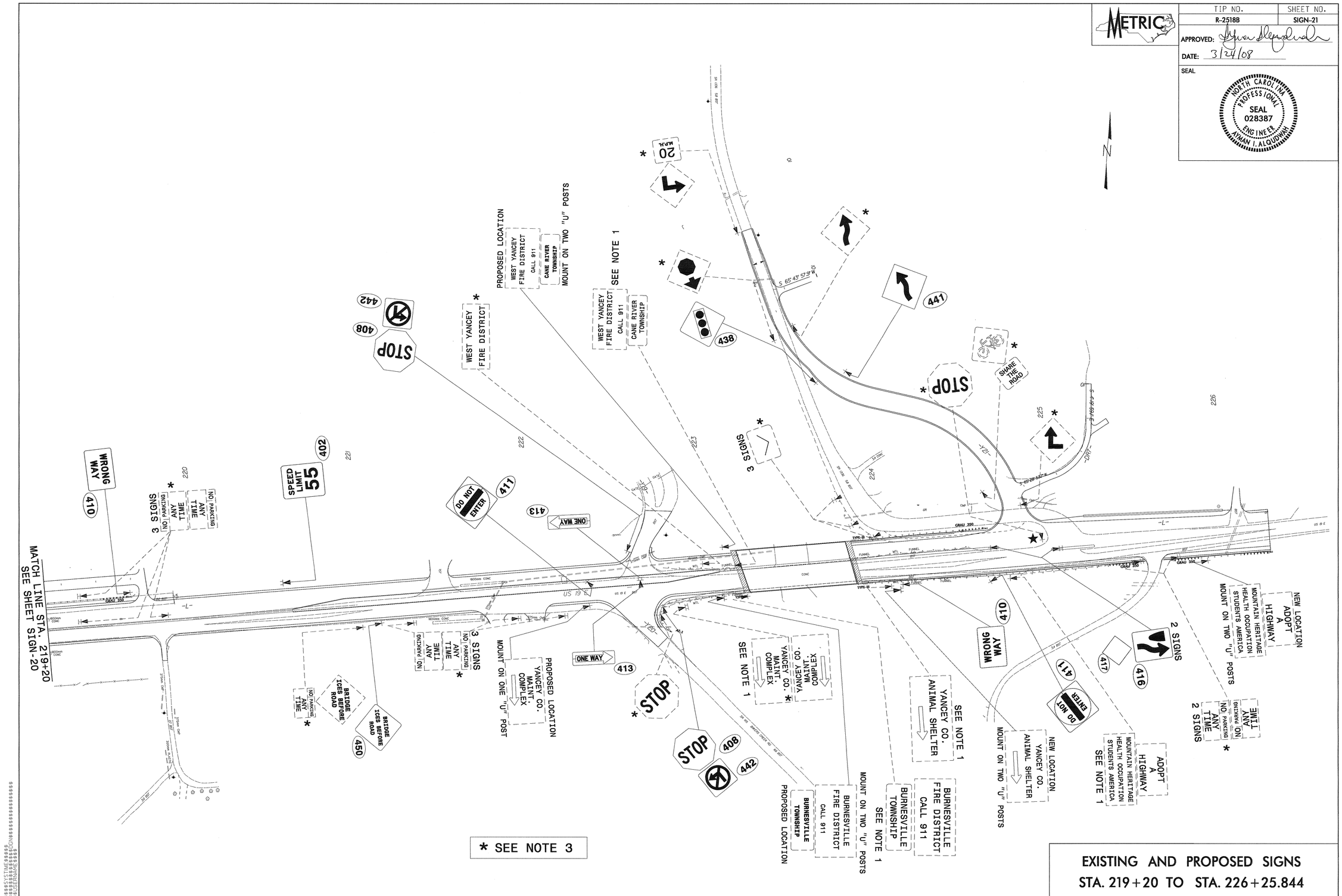
TIP NO.	SHEET NO.
R-2518B	SIGN-21

APPROVED: Ayman Alquduwah

DATE: 3/24/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028387 ENGINEER AYMAN I. ALQUDUWAH



EXISTING AND PROPOSED SIGNS
STA. 219+20 TO STA. 226+25.844