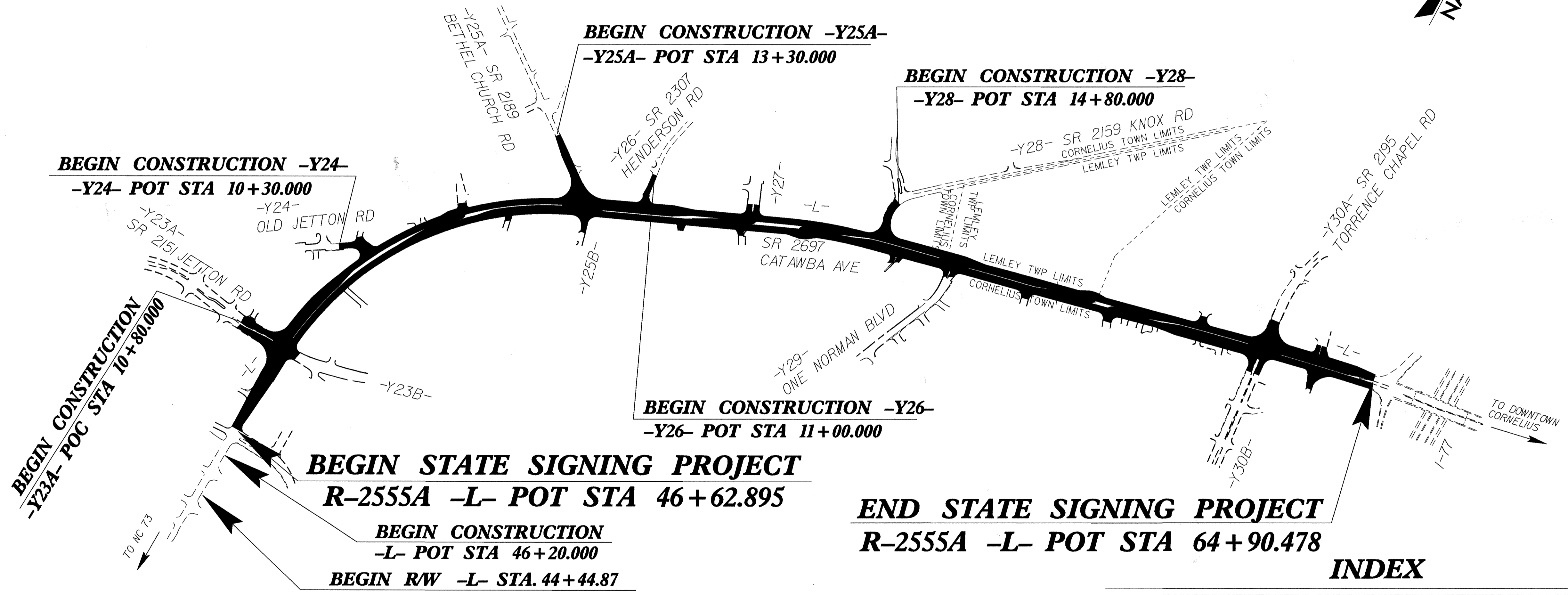
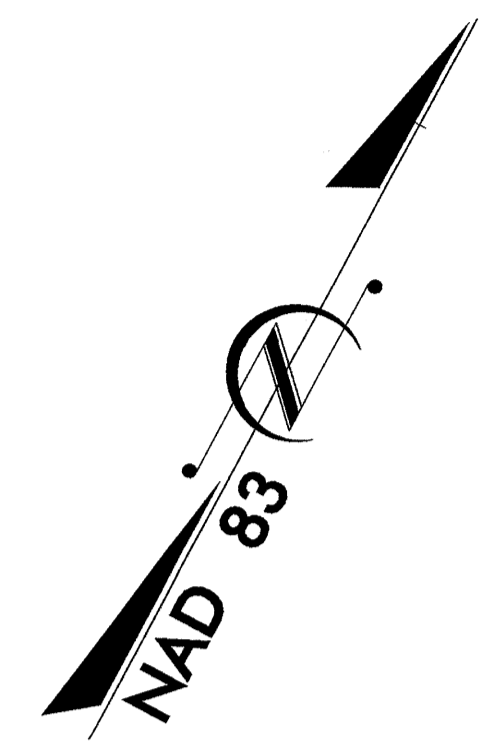




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
MECKLENBURG COUNTY

LOCATION: SR 2697 (WEST CATAWBA AVE) FROM SR 2151 (JETTON RD) TO I-77



T.I.P.: R-2555A

CONTRACT: C201683

BEGIN STATE SIGNING PROJECT
R-2555A -L- POT STA 46+62.895

END STATE SIGNING PROJECT
R-2555A -L- POT STA 64+90.478

INDEX

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1	TITLE SHEET
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6	TYPE "F" SIGNS
7-13	EXISTING/PROPOSED ROADWAY

PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION	SEAL
RON KING, P.E. SIGNING ENGINEER	
A. I. ALQUDWAH, P.E. SIGNING PROJECT ENGINEER	
J. G. MARTINEZ SIGNING PROJECT DESIGN ENGINEER	
R. R. HENNEIN SIGNING TECHNICIAN	



SIGNS

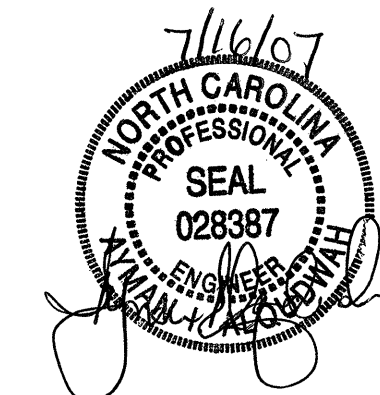
SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT	ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT	ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.				DESC. NO.	SECT. NO.				DESC. NO.	SECT. NO.			
0001000000	800	MOBILIZATION		L.S.	4129500000	906	RELOCATE SUPPORT, WOOD		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE A SIGN		S.M.	4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE B SIGN		S.M.	4141000000	907	DISPOSAL OF SUPPORT, WOOD		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN		S.M.	4143000000	907	DISPOSAL OF SUPPORT, OVERHEAD STRUCTURE		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN		S.M.	4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN		S.M.	4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4025000000	901	CONTRACTOR FURNISHED, OVERLAYS SIGN		S.M.	4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	17	EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4025000000	901	CONTRACTOR FURNISHED, MILEMARKER SIGN		S.M.	4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4048000000	902	REINFORCED CONCRETE SIGN FOOTINGS		C.M.	4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	9	EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4054000000	902	PLAIN CONCRETE SIGN FOOTINGS		C.M.	4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4056000000	902	OVERHEAD FOOTING		EA.	4236000000	907	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM		KG.	4238000000	907	DISPOSAL OF SIGN, D, E OR F		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM		KG.	4238500000	907	DISPOSAL OF SIGN, MILEMARKERS		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4072000000	903	SUPPORTS, 4.5-KG STEEL U-CHANNEL	567	L.M.	4241000000	907	DISPOSAL OF SIGN, OVERLAY (OVERHEAD)		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4078000000	903	SUPPORTS, 3.0-KG STEEL U-CHANNEL		EA.	4242000000	907	DISPOSAL OF SIGN, OVERLAY (GROUND MOUNTED)		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4079000000	903	SUPPORTS, BARRIER (SMALL)		EA.	4251000000	907	DISPOSAL OF LIGHTING SYSTEM		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4080000000	903	SUPPORTS, BARRIER (LARGE)		EA.	4258000000	907	DISPOSAL OF LIGHTING FIXTURES		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4263000000	907	DISPOSAL OF WALKWAY		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4132000000	907	STOCKPILE SUPPORT, STEEL BEAM		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4082000000	903	SUPPORTS, WOOD		L.M.	4140000000	907	STOCKPILE SUPPORT, WOOD		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)		EA.	4142000000	907	STOCKPILE SUPPORT, OVERHEAD STRUCTURE		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD)		EA.	4148000000	907	STOCKPILE SIGN SYSTEM, OVERHEAD		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)		EA.	4151000000	907	STOCKPILE SIGN SYSTEM, STEEL BEAM		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)		EA.	4154000000	907	STOCKPILE SIGN SYSTEM, U-CHANNEL		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4096000000	904	SIGN ERECTION, TYPE D	1	EA.	4157000000	907	STOCKPILE SIGN SYSTEM, WOOD		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4102000000	904	SIGN ERECTION, TYPE E	131	EA.	4186000000	907	STOCKPILE SUPPORT, U-CHANNEL		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4108000000	904	SIGN ERECTION, TYPE F	3	EA.	4228000000	907	STOCKPILE SIGN, A OR B (OVERHEAD)		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4114000000	904	SIGN ERECTION, MILEMARKERS		EA.	4235000000	907	STOCKPILE SIGN, A OR B (GROUND MOUNTED)		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4115000000	904	SIGN ERECTION, OVERLAY (OVERHEAD)		EA.	4237000000	907	STOCKPILE SIGN, D, E OR F		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4116000000	904	SIGN ERECTION, OVERLAY (GROUND MOUNTED)		EA.	4237500000	907	STOCKPILE SIGN, MILEMARKERS		EA.	4128000000	SP	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4116200000	904	SIGN ERECTION, REPOSITION OVERHEAD		EA.	4250000000	907	STOCKPILE LIGHTING SYSTEM		EA.	4355000000	SP	INTEGRATION INTO EXISTING DMS SYSTEM		L.S.
4116300000	904	SIGN ERECTION, LOGO TO PANEL		EA.	4252000000	907	STOCKPILE LIGHTING FIXTURES		EA.	4355100000	SP	DYNAMIC MESSAGE SIGN SYSTEM "DMS-**"		L.S.
4116400000	904	SIGN ERECTION, LOGO TRAILBLAZER		EA.	4262000000	907	STOCKPILE WALKWAY		EA.	4355100000	SP	DYNAMIC MESSAGE SIGN SYSTEM "DMS-**"		L.S.
4116500000	904	SIGN ERECTION, WALKWAY		L.M.	4277000000	908	TEMPORARY SIGN, TYPE A		S.M.	4355200000	SP	DMS SYSTEM SERVER COMPUTER		L.S.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE B		S.M.	4355210000	SP	DMS SYSTEM CLIENT COMPUTER		EA.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE D		S.M.	4355220000	SP	DMS SYSTEM LAPTOP COMPUTER		EA.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE E		S.M.	4355230000	SP	DMS SYSTEM CONTROL SOFTWARE		EA.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE F		S.M.	4355300000	SP	DYNAMIC MESSAGE SIGN MAINTENANCE TRAINING		EA.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE A		EA.	4355310000	SP	DYNAMIC MESSAGE SIGN SYSTEM DESIGN APPROVAL TESTS		EA.
4129000000	906	RELOCATE SIGN, TYPE A (OVERHEAD)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE B		EA.	4355320000	SP	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FACTORY TESTS		EA.
4129000000	906	RELOCATE SIGN, TYPE B (OVERHEAD)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE D		EA.	4355330000	SP	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FIELD TESTS		L.S.
4129000000	906	RELOCATE SIGN, TYPE A (GROUND MOUNTED)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE E		EA.	4355340000	SP	DYNAMIC MESSAGE SIGN BENCH TEST UNIT		L.S.
4129000000	906	RELOCATE SIGN, TYPE B (GROUND MOUNTED)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE F		EA.	4355350000	SP	DYNAMIC MESSAGE SIGN SYSTEM NTCIP TESTS		L.S.
4129000000	906	RELOCATE SIGN, TYPE D	1	EA.	4279000000	908	TEMPORARY RELOCATE SIGN SUPPORT, STEEL BEAM		EA.	S	SP	OVERHEAD FOOTINGS		C.M.
4129000000	906	RELOCATE SIGN, TYPE E	8	EA.	4280000000	908	TEMPORARY RELOCATE SIGN SUPPORT, WOOD		EA.	S	SP	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.
4129000000	906	RELOCATE SIGN, TYPE F		EA.	4285000000	908	TEMPORARY SIGN COVERS		EA.					
4129000000	906	RELOCATE SIGN, MILEMARKERS		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4129200000	906	RELOCATE SUPPORT, OVERHEAD SIGN SYSTEM		EA.	4083200000	SP	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**"		L.S.					
4129300000	906	RELOCATE SUPPORT, STEEL BEAM		EA.	4083200000	SP	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**"		L.S.					
4129400000	906	RELOCATE LIGHTING SYSTEM		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
					4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					

**ROADWAY STANDARD DRAWINGS
APPLICABLE TO THESE SIGNING PLANS**

901.50
904.10
904.50

**SUMMARY OF
QUANTITIES**



Pay Item Notes:

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

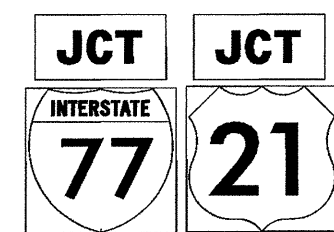
General Notes:

- . 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.
- . THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT TO THE N.C.D.O.T. FOR APPROVAL, DETAIL DRAWINGS OF LUMINAIRE RETRIEVAL SYSTEM MOUNTING ON OHS ASSEMBLY.
- . THE CONTRACTOR SHALL USE LUMINAIRE RETRIEVAL SYSTEM ON ALL OVERHEAD STRUCTURES. WALKWAY AND HANDRAIL IS NOT REQUIRED.
- . INSTALLATION OF LUMINAIRE RETRIEVAL SYSTEM SHALL ALLOW LUMINAIRE MAINTENACE FROM THE SHOULDER WITHOUT THE NEED FOR LANE CLOSURE. THE DRIVE HANDLE OF THE LUMINAIRE RETRIEVAL SYSTEM SHALL BE LOCATED A MINIMUM OF 0.92M (3 ') FROM THE RIGHT EDGE OF THE SHOULDER AWAY FROM THE ROADWAY TRAFFIC.
- . THE CONTRACTOR SHALL ENSURE THAT COORDINATION IS ESTABLISHED BETWEEN THE OHS ASSEMBLY AND LUMINAIRE RETRIEVAL SYSTEM FABRICATORS SO THAT A FULLY FUNCTIONAL SIGN AND LIGHTING SYSTEM IS INSTALLED. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY OHS ASSEMBLY AND LUMINAIRE RETRIEVAL SYSTEM INCOMPATIBILITIES, OR INSTALLATION OF A LIGHTING SYSTEM NOT FUNCTIONING TO ITS INTENDED PURPOSE.
- DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

Project Notes:

NOTES

501



2 - 525 X 375
2 - 600 X 600

ONE "U" POST PER SIGN

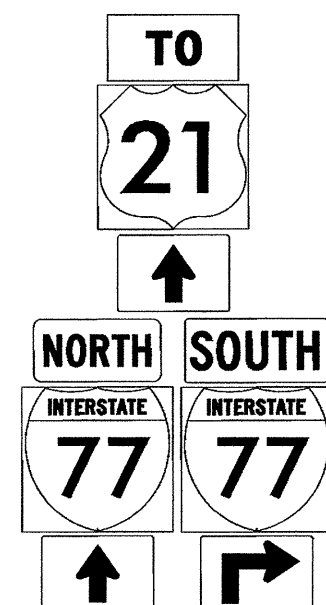


TIP NO. R-2555A	SHEET NO. SIGN-6
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SEAL

7/16/07

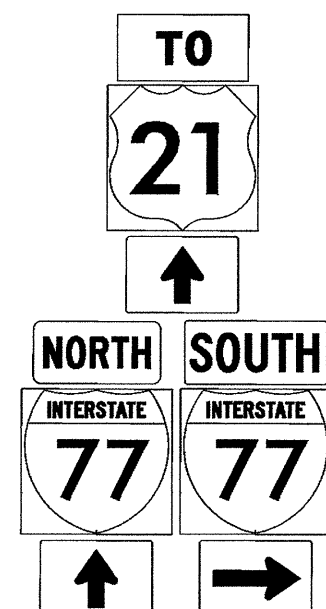
502



1 - 600 X 300
1 - 600 X 600
1 - 525 X 375
2 - 600 X 300
2 - 600 X 600
2 - 525 X 375

TWO "U" POSTS PER SIGN

503

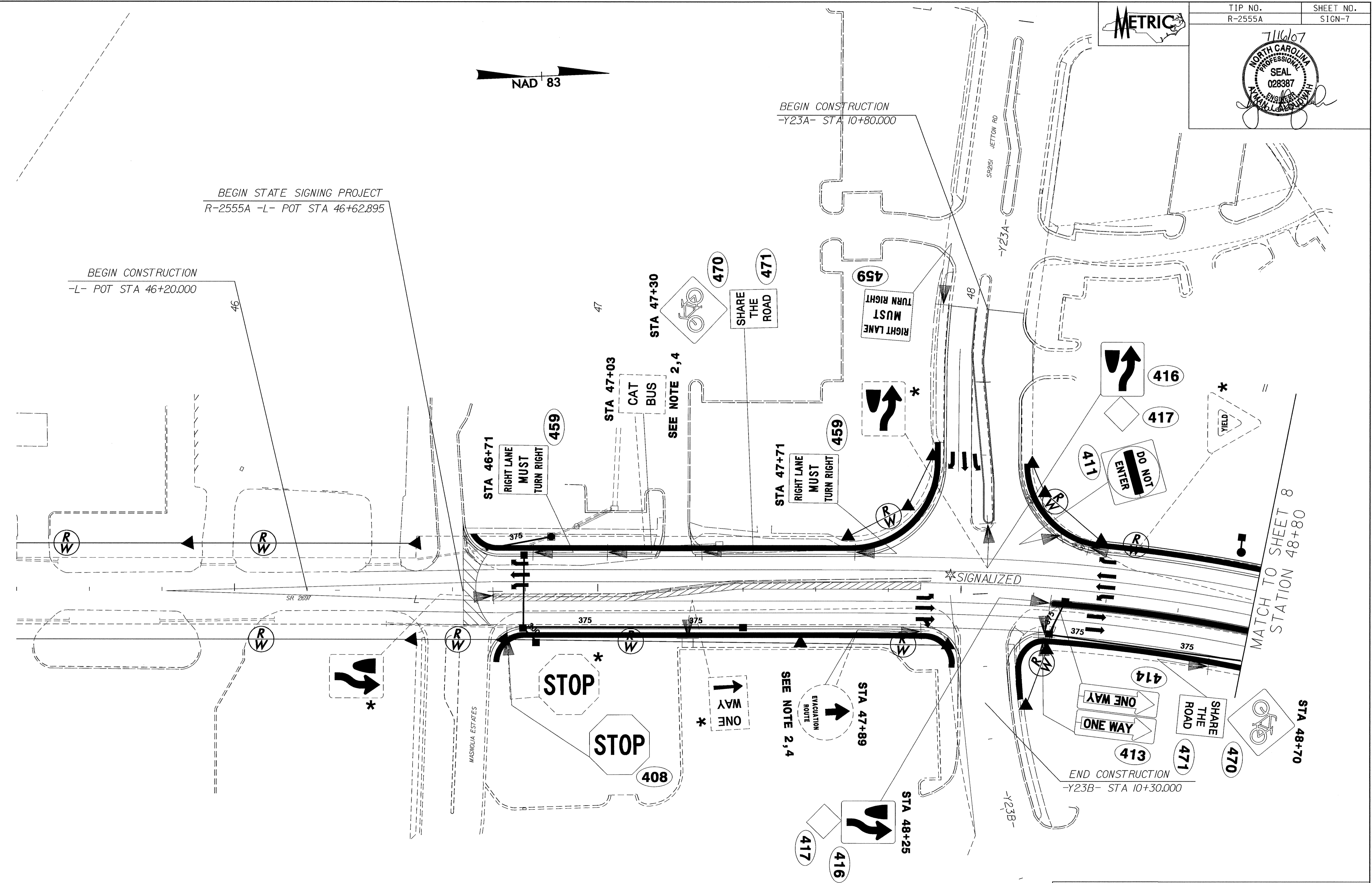
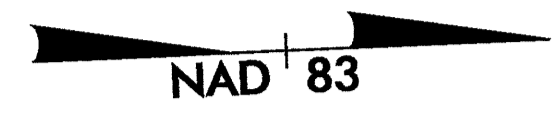


1 - 600 X 300
1 - 600 X 600
1 - 525 X 375
2 - 600 X 300
2 - 600 X 600
2 - 525 X 375

TWO "U" POSTS PER SIGN

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

TYPE "F" SIGNS



BEGIN STATE SIGNING PROJECT
R-2555A -L- POT STA 46+62.895

BEGIN CONSTRUCTION
-L- POT STA 46+20.000

BEGIN CONSTRUCTION
-Y23A- STA 10+80.000

END CONSTRUCTION
-Y23B- STA 10+30.000

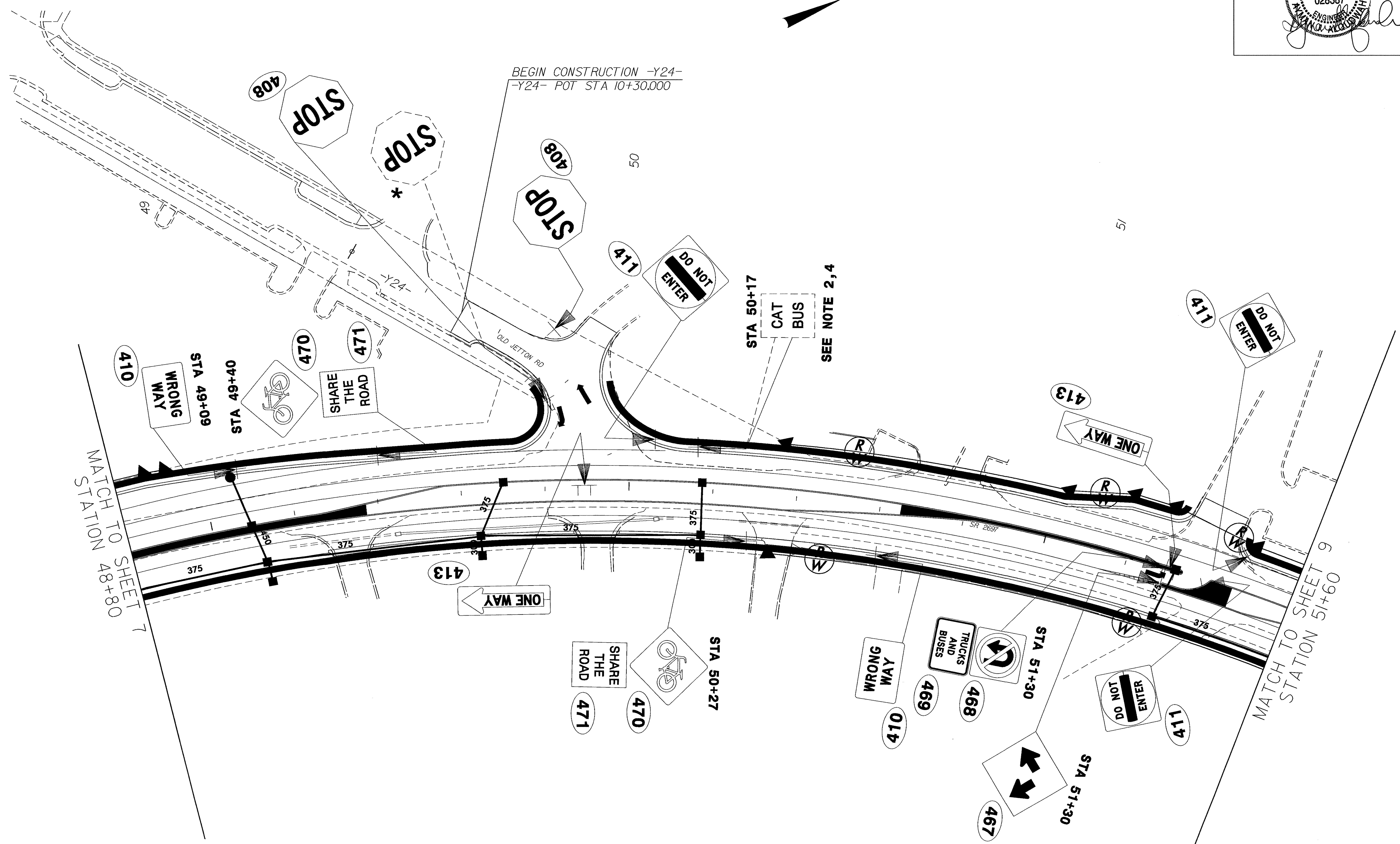
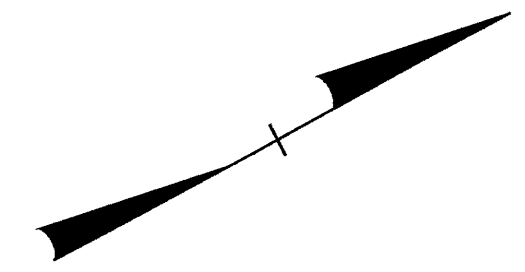
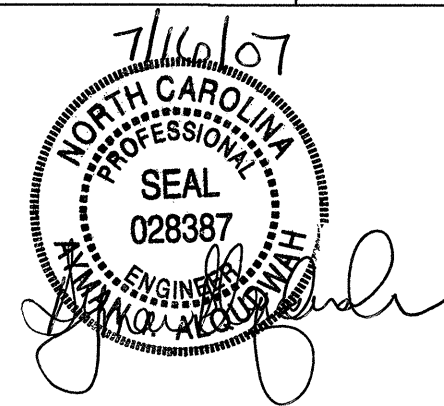
MATCH TO SHEET 8
STATION 48+80

*** SEE NOTE 3**

**EXISTING/PROPOSED ROADWAY
STA 45+40 TO 48+80**



TIP NO. R-2555A	SHEET NO. SIGN-8
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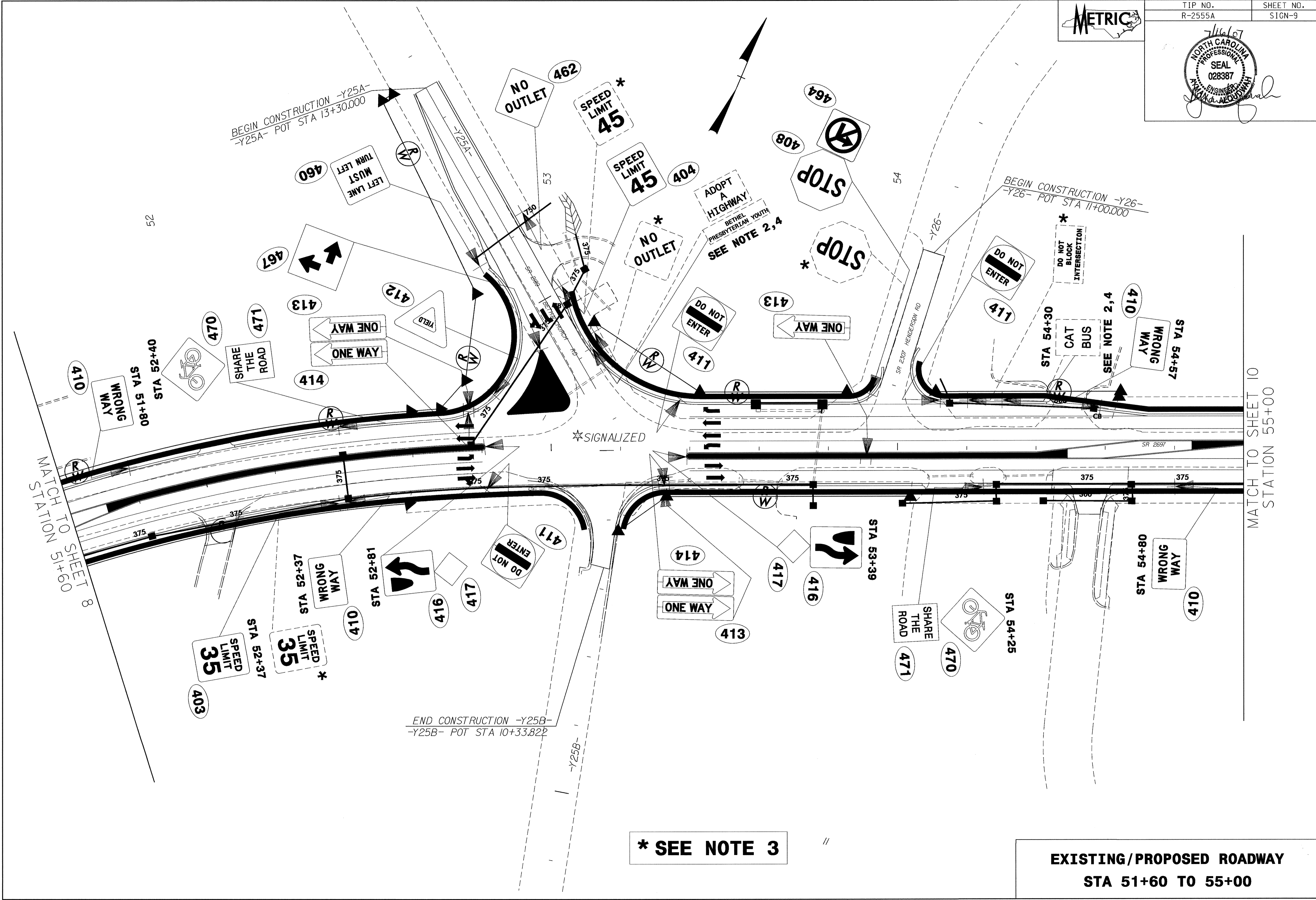


*** SEE NOTE 3**

**EXISTING/PROPOSED ROADWAY
STA 48+80 TO 51+60**



TIP NO. R-2555A	SHEET NO. SIGN-9



MATCH TO SHEET 8
STATION 51+60

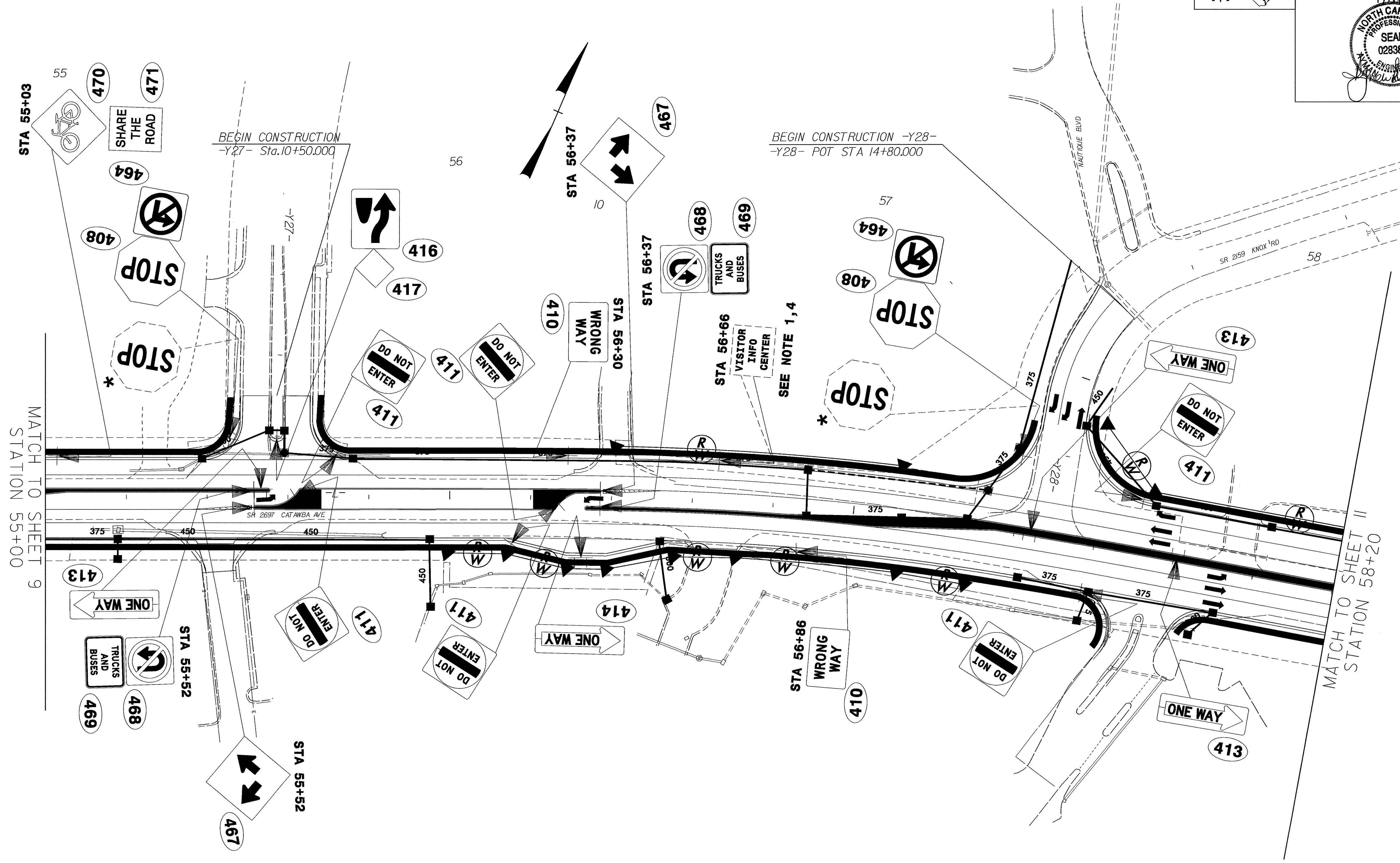
MATCH TO SHEET 10
STATION 55+00

*** SEE NOTE 3**

**EXISTING/PROPOSED ROADWAY
STA 51+60 TO 55+00**



TIP NO. R-2555A	SHEET NO. SIGN-10
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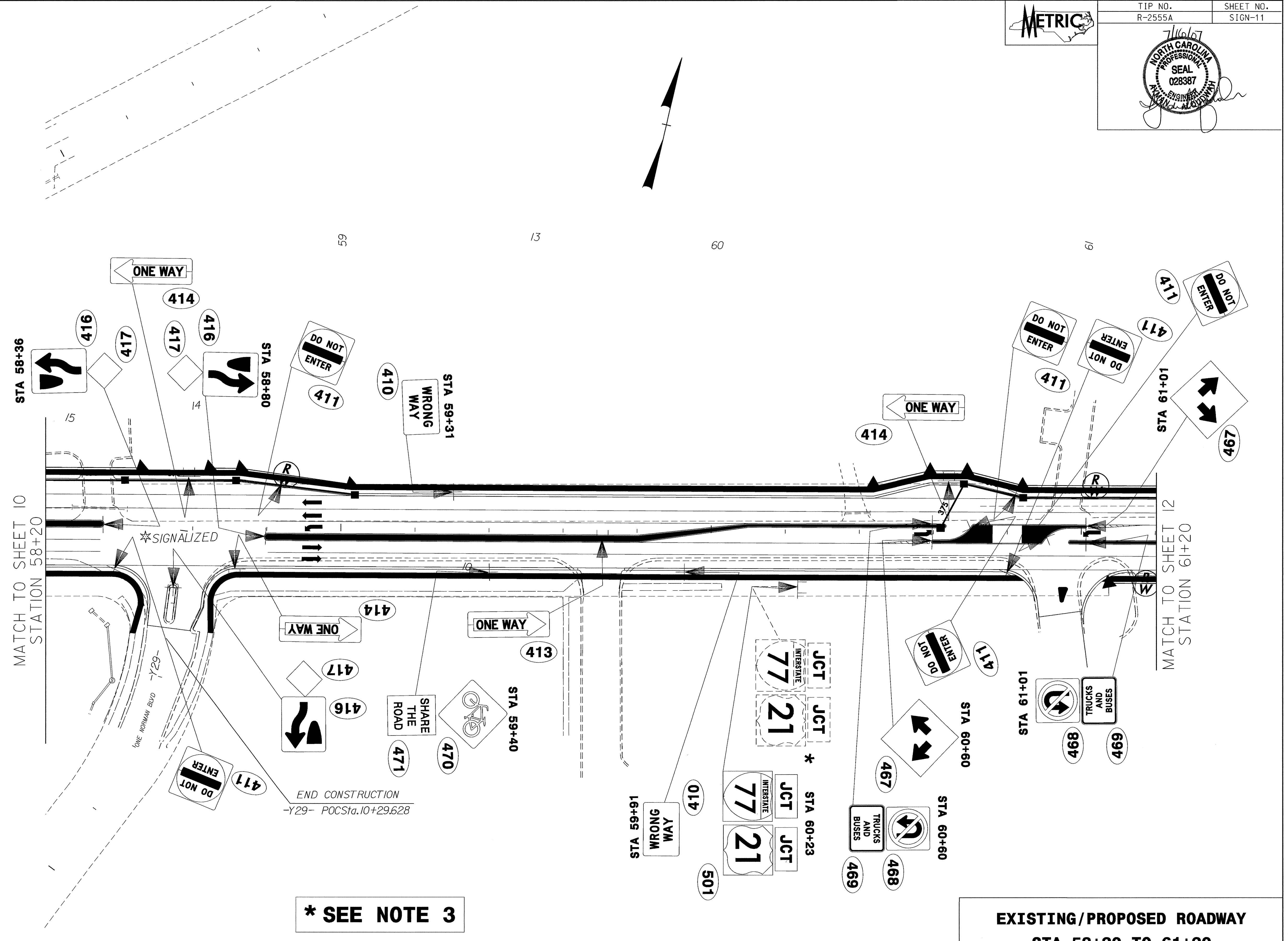
*** SEE NOTE 3**

**EXISTING/PROPOSED ROADWAY
STA 55+00 TO 58+20**



TIP NO. R-2555A	SHEET NO. SIGN-11
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7/6/17
NORTH CAROLINA PROFESSIONAL SEAL
 SEAL 028387
 ENGINEER
 W. J. ALLEN



*** SEE NOTE 3**

**EXISTING/PROPOSED ROADWAY
 STA 58+20 TO 61+20**

10
 11
 12
 13
 14
 15

65

13

60

61



END CONSTRUCTION
 -Y29- POCSta.10+29.628

ONE NORMAN BLVD
 -Y29-

*SIGNALIZED

WRONG WAY
 410

SHARE THE ROAD
 471

TRUCKS AND BUSES
 469

TRUCKS AND BUSES
 468

INTERSTATE 77 JCT
 21

INTERSTATE 77 JCT
 21

DO NOT ENTER
 467

DO NOT ENTER
 411

DO NOT ENTER
 411

DO NOT ENTER
 411

ONE WAY
 416

ONE WAY
 416

ONE WAY
 413

ONE WAY
 414

ONE WAY
 414

DO NOT ENTER
 417

DO NOT ENTER
 411

DO NOT ENTER
 411

ONE WAY
 417

417

417

416

470

471

470

501

WRONG WAY
 16+91

410

467

468

TRUCKS AND BUSES
 469

TRUCKS AND BUSES
 468

TRUCKS AND BUSES
 468

469

468

DO NOT ENTER
 411

467

417

411

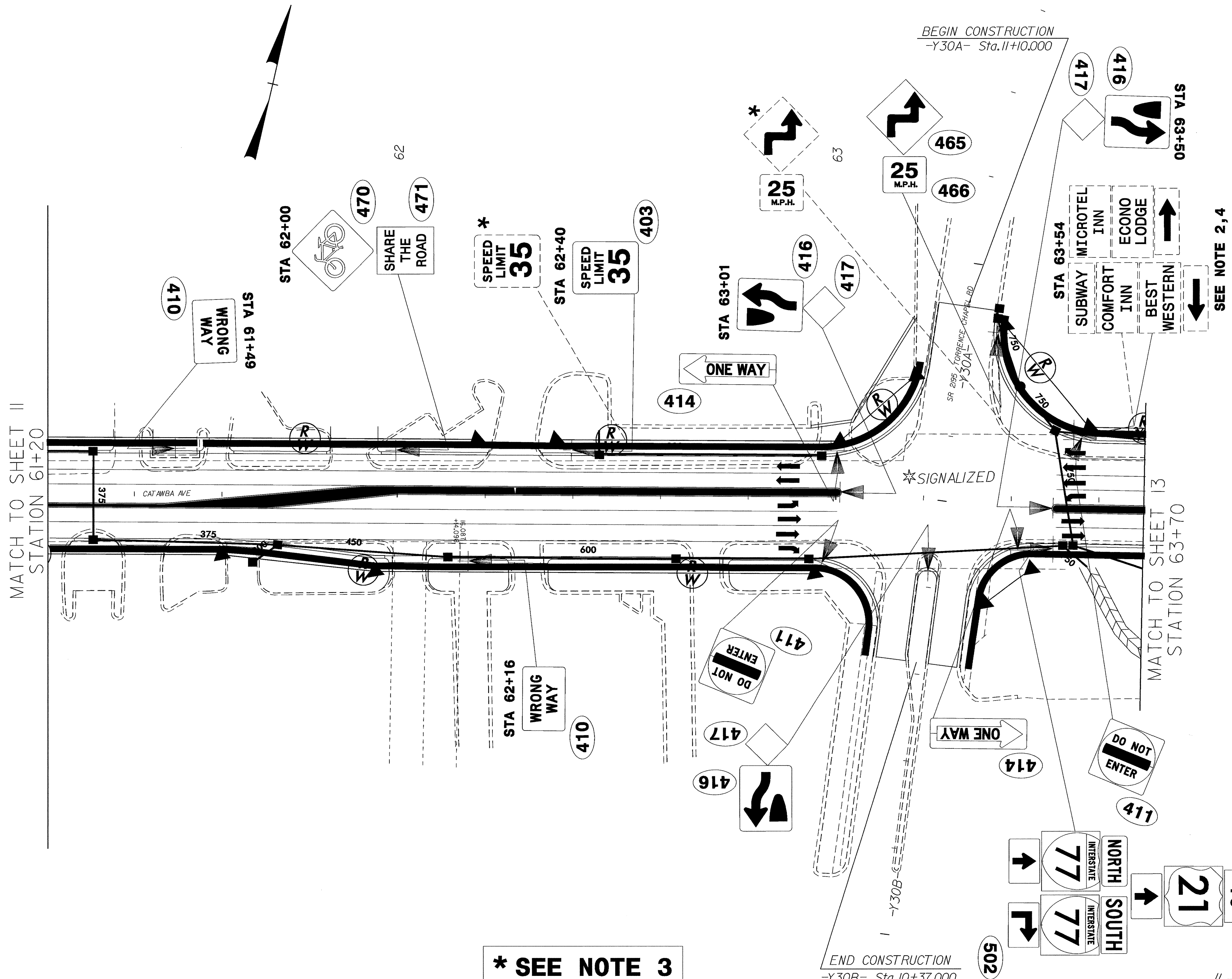
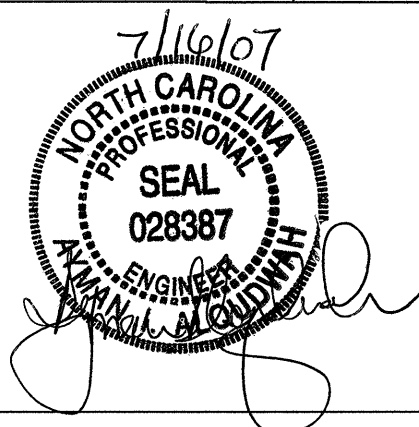
411

15

14



TIP NO. R-2555A SHEET NO. SIGN-12



MATCH TO SHEET II
STATION 61+20

MATCH TO SHEET 13
STATION 63+70

*** SEE NOTE 3**

END CONSTRUCTION
-Y30B- Sta.10+37.000

BEGIN CONSTRUCTION
-Y30A- Sta.11+10.000

SEE NOTE 2,4

STA 63+50
TO

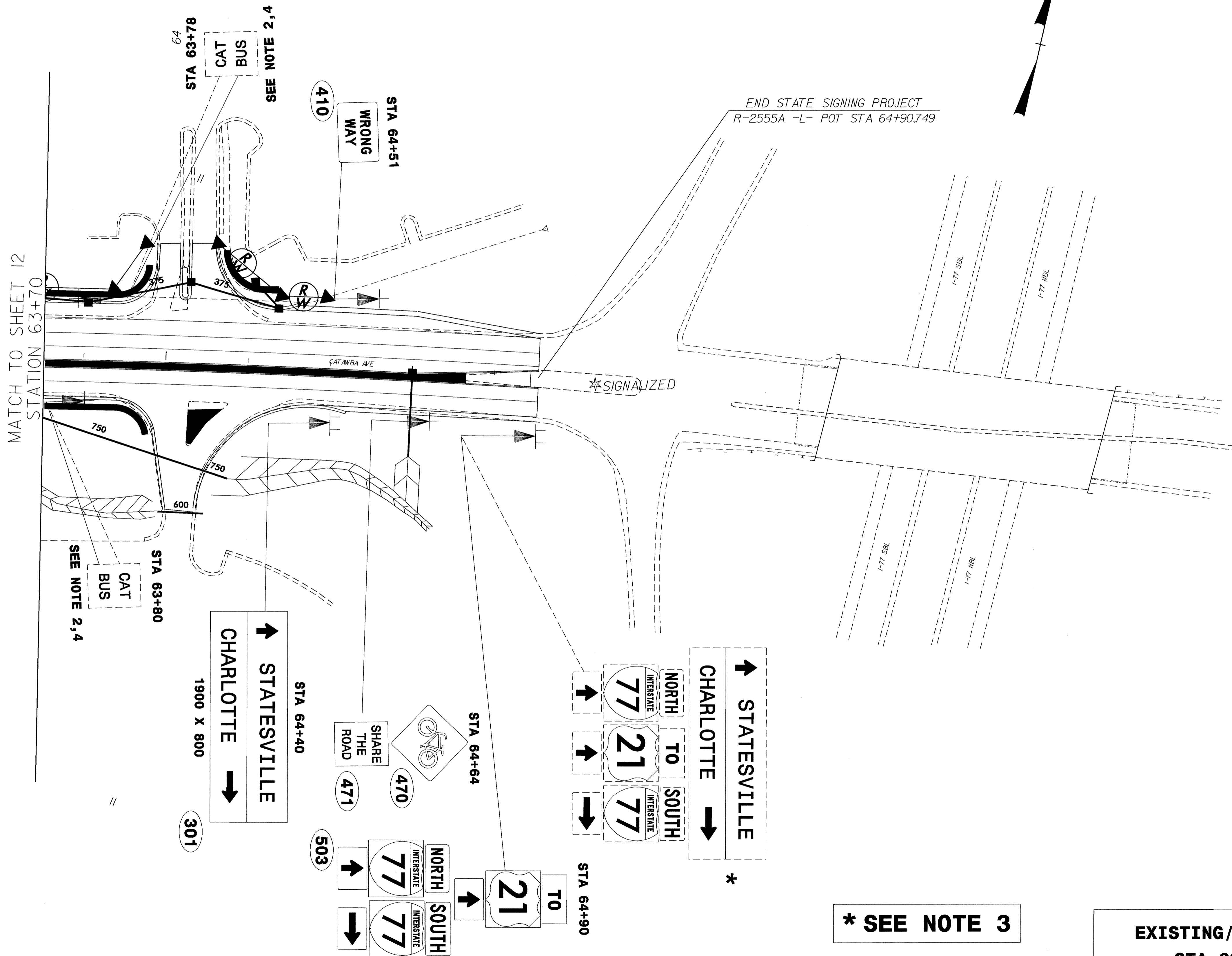
21

NORTH INTERSTATE 77
SOUTH INTERSTATE 77

**EXISTING/PROPOSED ROADWAY
STA 61+20 TO 63+70**



TIP NO. R-2555A	SHEET NO. SIGN-13
--------------------	----------------------



*** SEE NOTE 3**

**EXISTING/PROPOSED ROADWAY
STA 63+70 TO 65+00**