

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
GUILFORD - RANDOLPH COUNTIES**

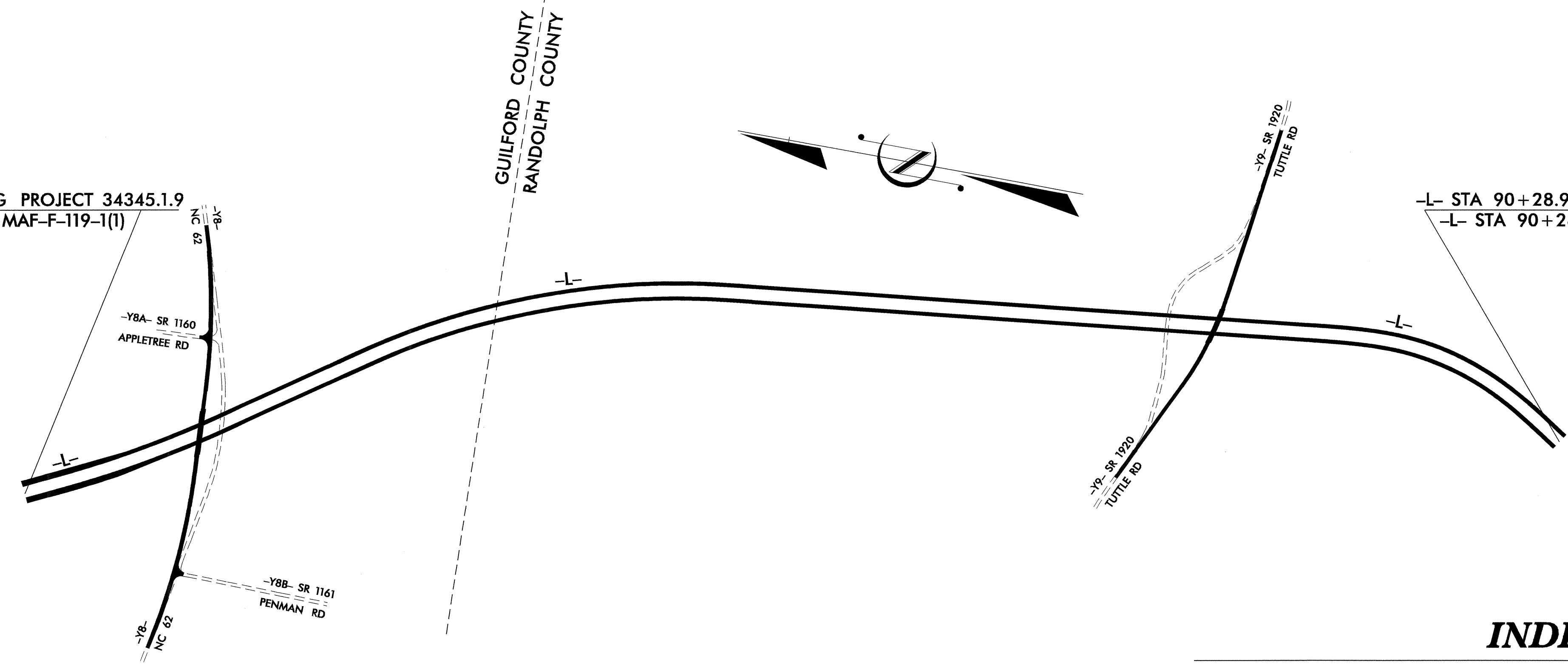
**LOCATION: I-74/US 311 HIGH POINT EAST BELT FROM I-85 TO
SOUTH OF SR 1920 NORTH OF ARCHDALE**

T.I.P.: R-06091B

CONTRACT: 34345.1.1

-L- STA 60+59.109 BEGIN STATE SIGNING PROJECT 34345.1.9
-L- STA 60+59.109 BEGIN F.A. PROJECT MAF-F-119-1(1)

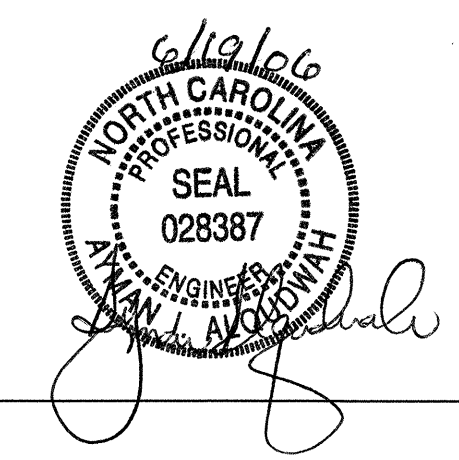
-L- STA 90+28.988 END STATE SIGNING PROJECT 34345.1.9
-L- STA 90+28.988 END F.A. PROJECT MAF-F-119-1(1)



INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUMMARY OF QUANTITIES, PROJECT NOTES and applicable ROADWAY STANDARD DRAWINGS
3-4	OVERHEAD SIGN ASSEMBLIES
5	E, F AND MILEMARKER SHEET
6-9	SIGN ROADWAY SHEETS

PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION	SEAL
RON KING, P.E. SIGNING ENGINEER	
A. I. ALQUDWAH, PE SIGNING PROJECT ENGINEER	
K. L. JORDAN SIGNING PROJECT DESIGN ENGINEER	
M. TRACEY SIGNING DESIGN ENGINEER	



SIGNS SUMMARY OF QUANTITIES

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.
- . 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.

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 4.5-KG STEEL U-CHANNEL	104	L.M.
4078000000	903	SUPPORTS, 3.0-KG STEEL U-CHANNEL	4	EA.
4096000000	904	SIGN ERECTION, TYPE D	3	EA.
4102000000	904	SIGN ERECTION, TYPE E	8	EA.
4108000000	904	SIGN ERECTION, TYPE F	1	EA.
4114000000	904	SIGN ERECTION, MILEMARKERS	4	EA.
4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA. 74+00	1	L.S.
4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA. 90+20	1	L.S.
4365000000	SP	OVERHEAD FOOTINGS	46.21	C.M.

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

- | | |
|--------|--------|
| 901.10 | 904.10 |
| 901.50 | 904.20 |
| 901.70 | 904.40 |
| | 904.50 |

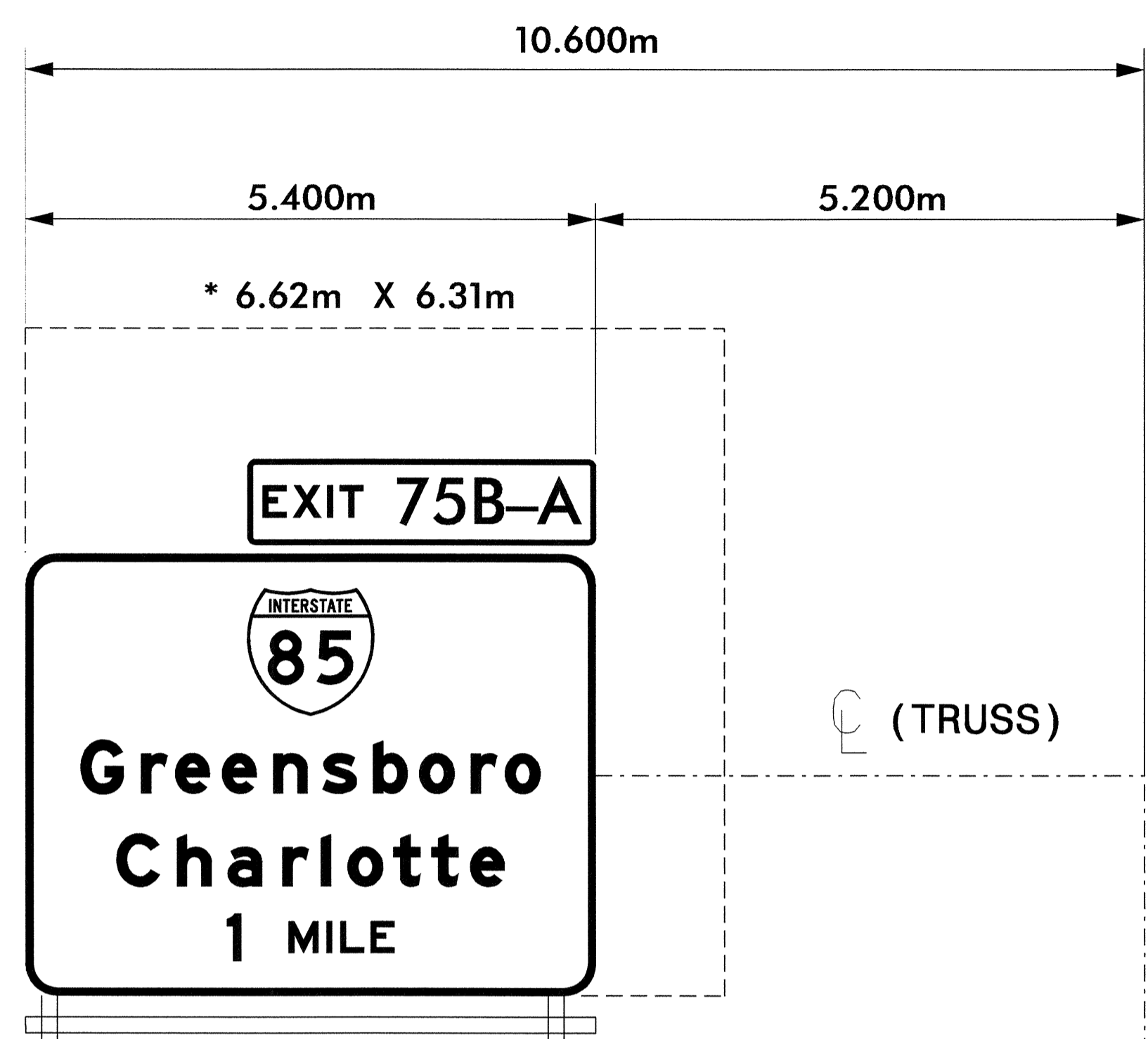
**Quantities, Notes and
Roadway Standards**



- NOTES:
- IF THE CONTRACTOR BIDS ALUMIMUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
 - MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
 - FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
 - THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 152mm AND NOT MORE THAN 610mm ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
 - SIGN HANGERS, LUMINAIRE RETRIEVAL SYSTEM AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THE PLANS, INCLUDING THOSE DESIGNATED AS "FUTURE".

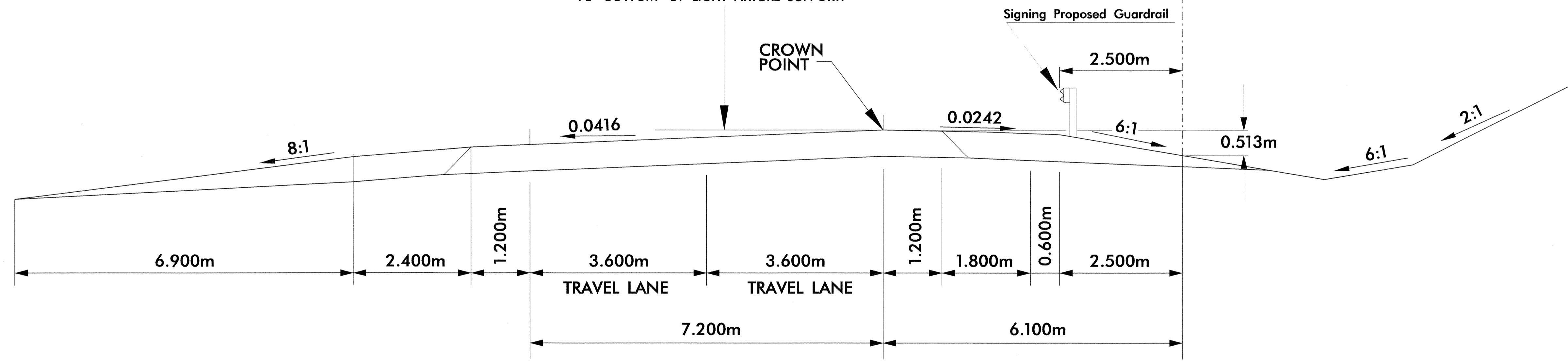
SIGN NO (IA)
4700mm X 800mm

SIGN NO (IB)
5400mm X 4200mm

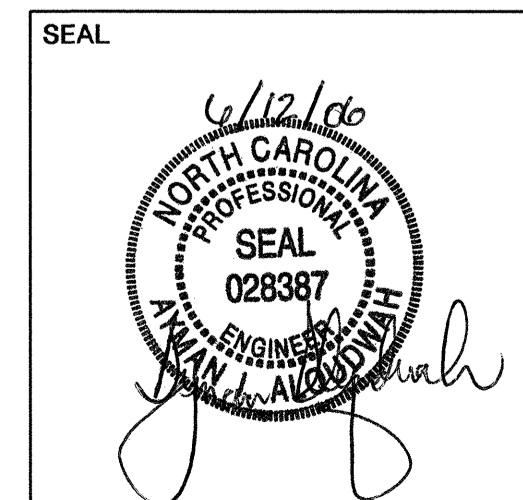


* THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 145 KPH.

5.2 MIN. - 5.5 MAX. CLEARANCE TO BOTTOM OF LIGHT FIXTURE SUPPORT.



I-74 WB /US 311 NB
PROPOSED OVERHEAD SIGN ASSEMBLY
@ STA. 74+00 (-L-)



I-74 WB /US 311 NB
PROPOSED OVERHEAD SIGN ASSEMBLY
@ STA. 74+00 (-L-)

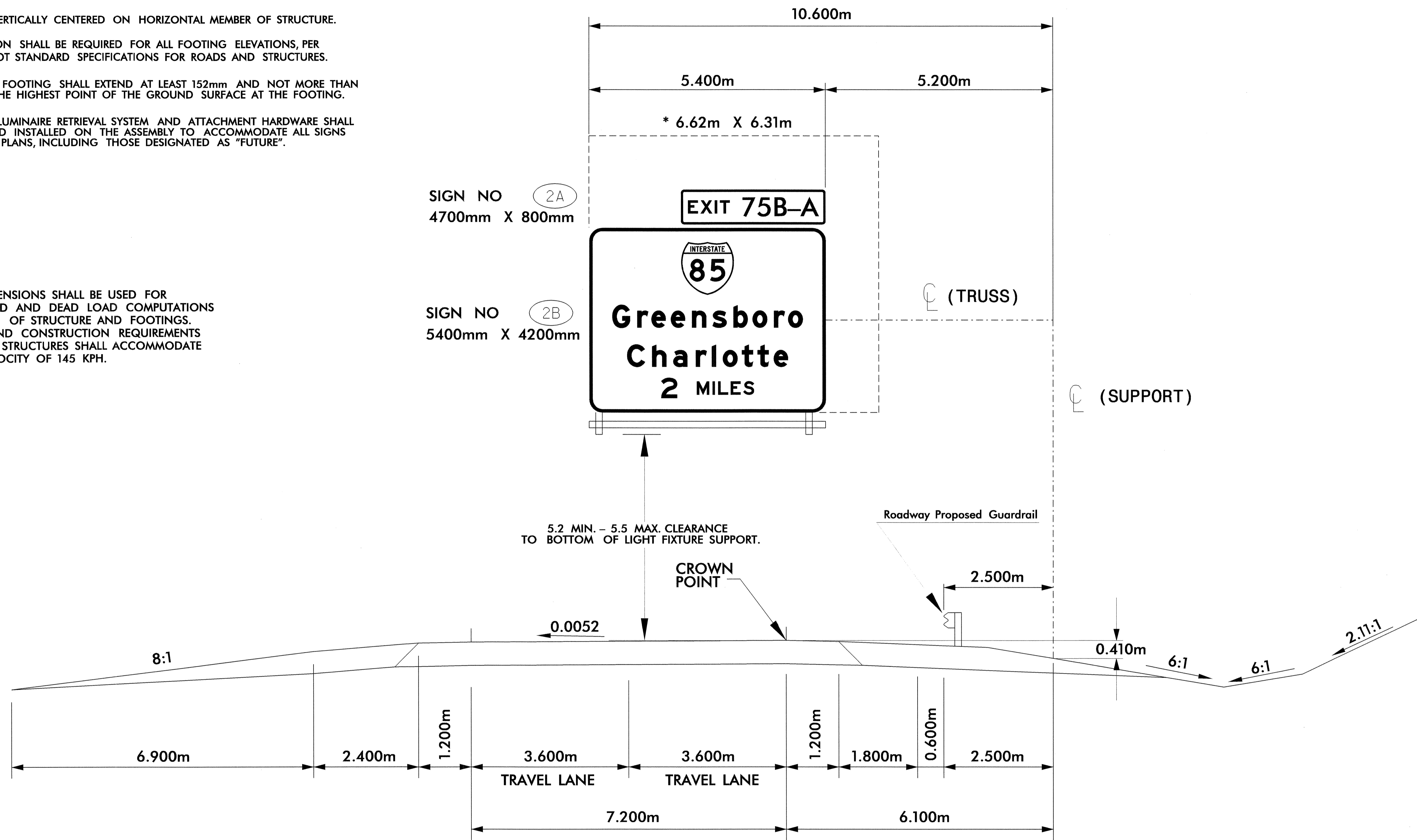
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	M. TRACEY		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



NOTES:

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 152mm AND NOT MORE THAN 610mm ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
- SIGN HANGERS, LUMINAIRE RETRIEVAL SYSTEM AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THE PLANS, INCLUDING THOSE DESIGNATED AS "FUTURE".

* THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 145 KPH.



I-74 WB /US 311 NB
PROPOSED OVERHEAD SIGN ASSEMBLY
@ STA. 90+20 (-L-)

SEAL

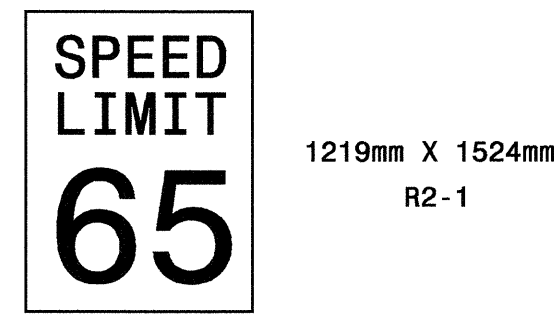


I-74 WB /US 311 NB
PROPOSED OVERHEAD SIGN ASSEMBLY
@ STA. 90+20 (-L-)

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	M. TRACEY		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

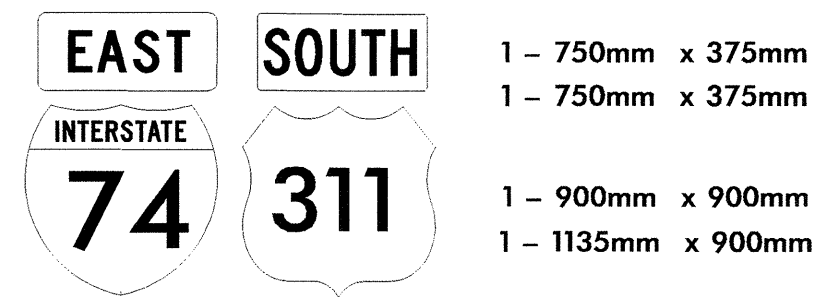


401 QUANTITY REQ'D 1



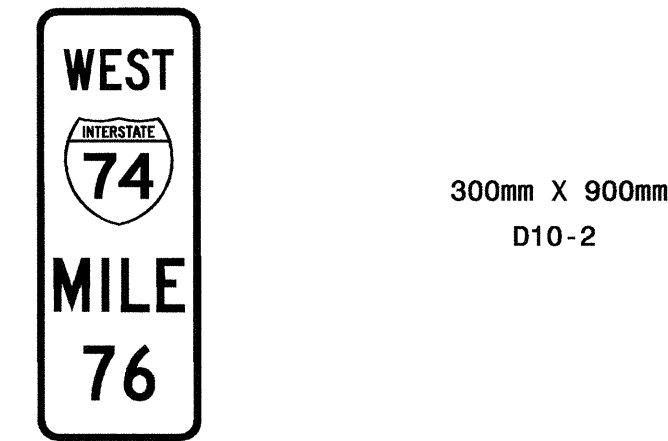
TWO "U" POSTS PER SIGN

501



TWO "U" POSTS

QUANTITY REQ'D 1



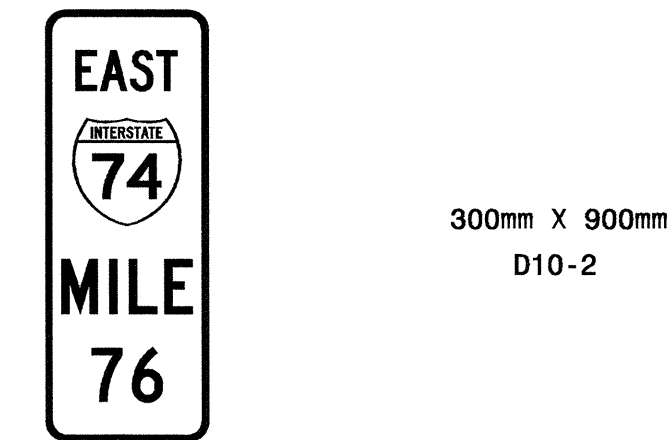
ONE "U" POST PER SIGN

409 QUANTITY REQ'D 5



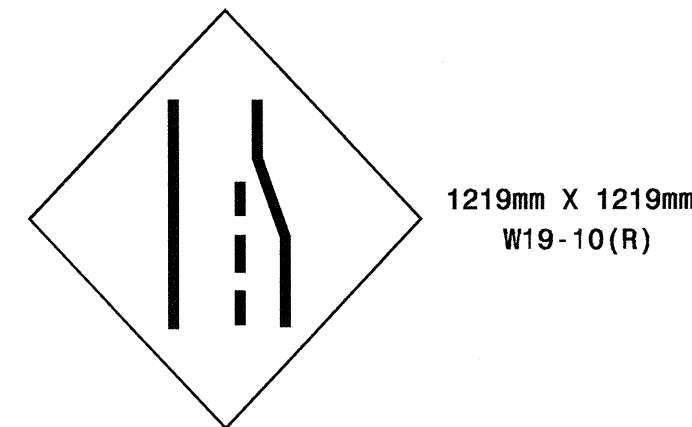
ONE "U" POST PER SIGN

QUANTITY REQ'D 1



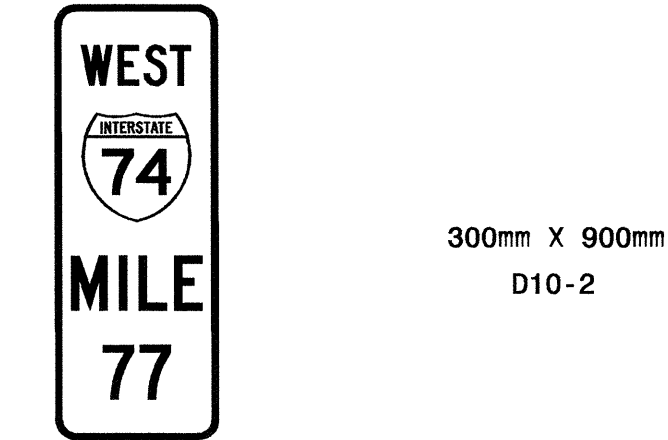
ONE "U" POST PER SIGN

435 QUANTITY REQ'D 2



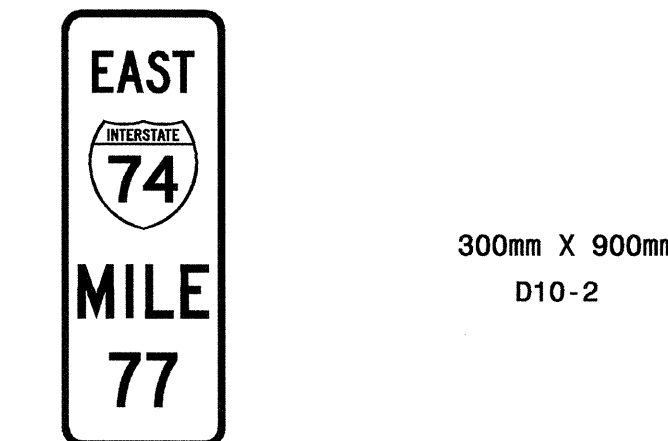
TWO "U" POSTS PER SIGN

QUANTITY REQ'D 1



ONE "U" POST PER SIGN

QUANTITY REQ'D 1



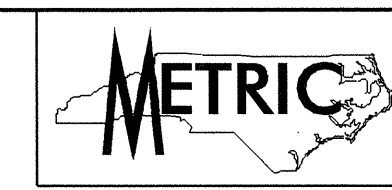
ONE "U" POST PER SIGN

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

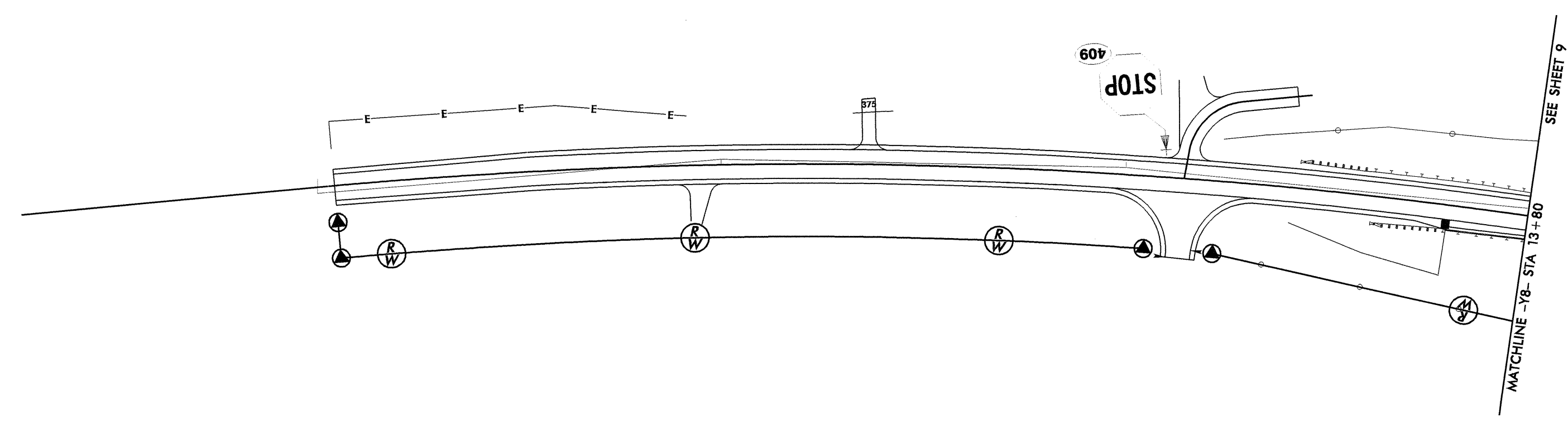
SEAL



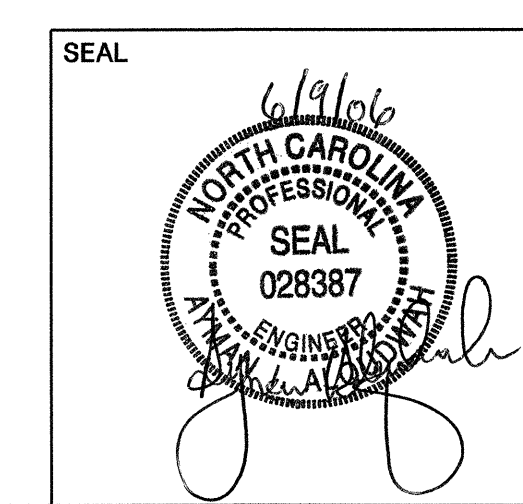
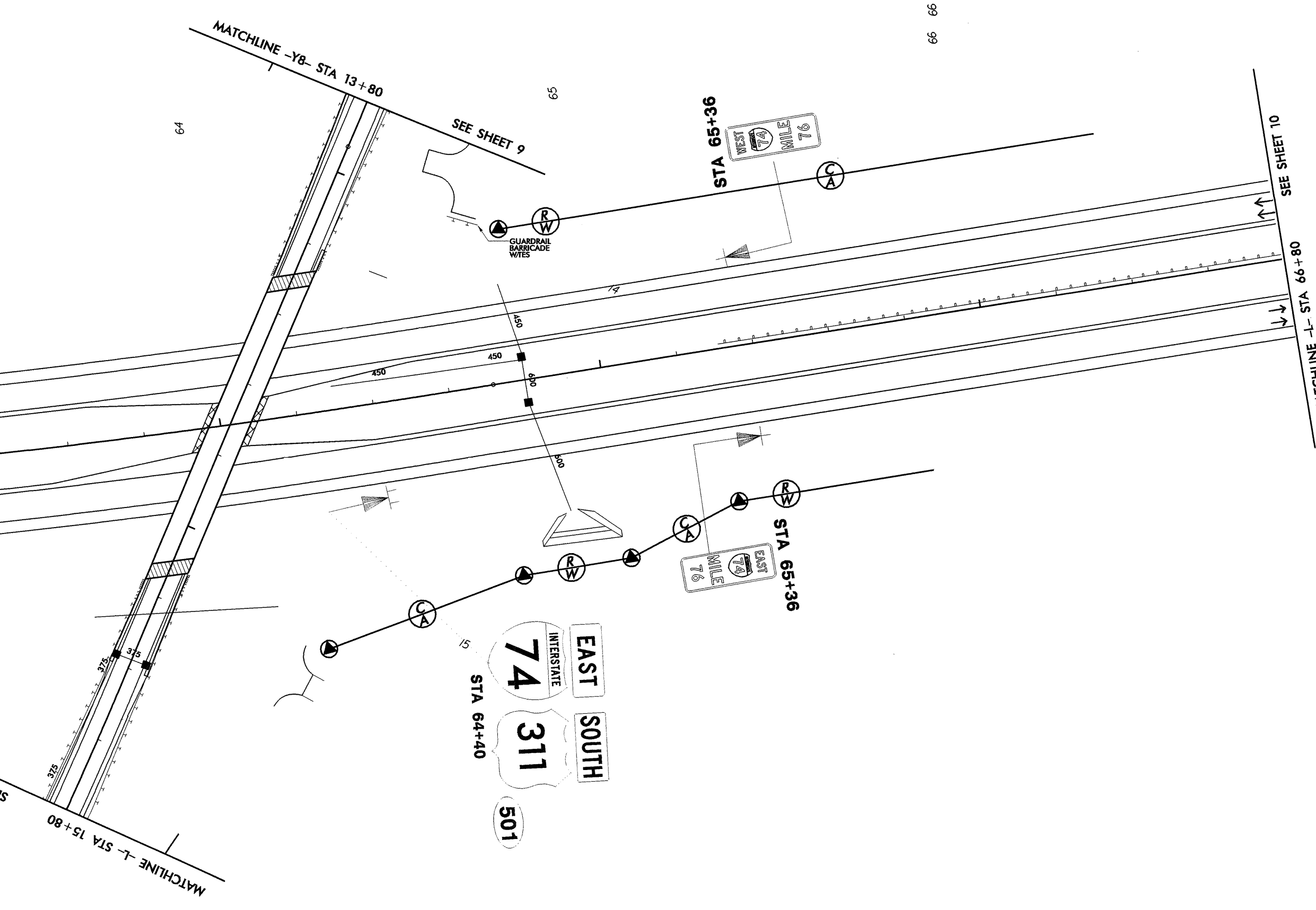
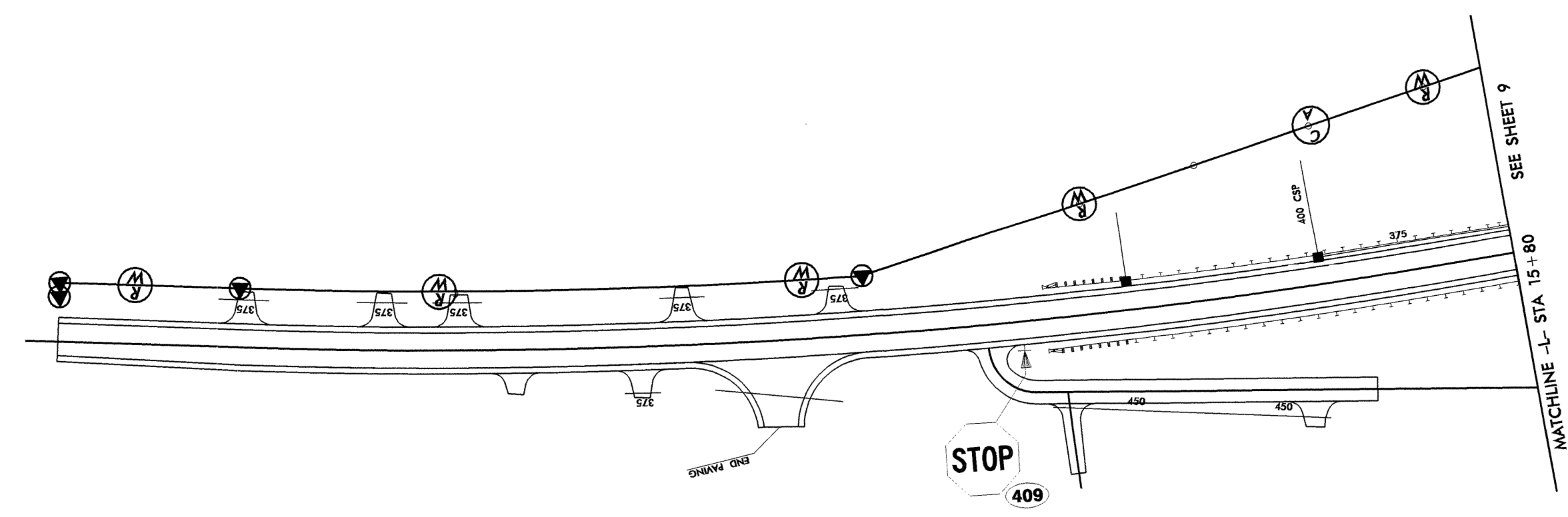
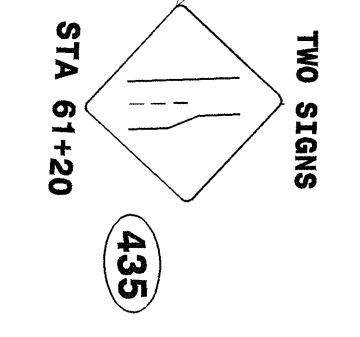
TYPE "E" & "F" SIGNS AND MILEMARKERS



TIP NO. R-06091B	SHEET NO. SIGN-6
---------------------	---------------------



END STATE SIGNING PROJECT R-06091A -L- STA 61+00.000=
 BEGIN STATE SIGNING PROJECT R-06091B -L- STA 60+59.109
 BEGIN F. A. PROJECT MAF-F-119-1(1)



I-74 /US 311 PROPOSED SIGNS STA. 60+59.109 to STA. 66+80 -L- STA. 10+85 to STA. 18+80 -Y8-			
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	M. TRACEY		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



TIP NO. R-0609IB SHEET NO. SIGN-7

GUILFORD COUNTY
RANDOLPH COUNTY

WELCOME TO
GUILFORD CO.
LEAVING
RANDOLPH CO.
1000mm X 600mm
STA. 70+10

EXIT 75B-A
4700mm X 800mm
1A
Greensboro
Charlotte
1 MILE
5400mm X 4200mm
1B
Sta. 74+00

SPEED
LIMIT
65
401
STA 67+95

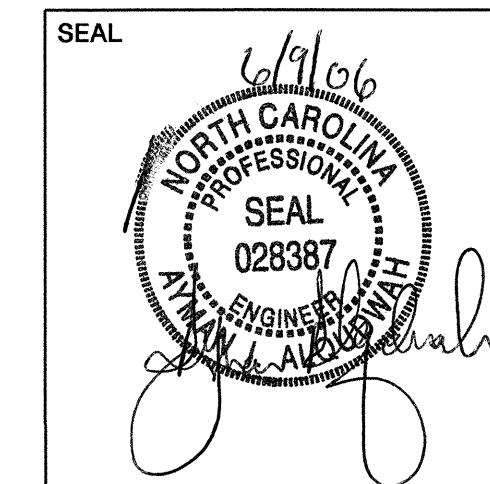
WELCOME TO
RANDOLPH CO.
LEAVING
GUILFORD CO.
1000mm X 600mm
STA. 69+80

Ashboro 21
Reckingham 60
3000mm X 900mm
STA 71+00

301

MATCHLINE -L- STA. 66+80
SEE SHEET 9

MATCHLINE -L- STA 74+20
SEE SHEET 11

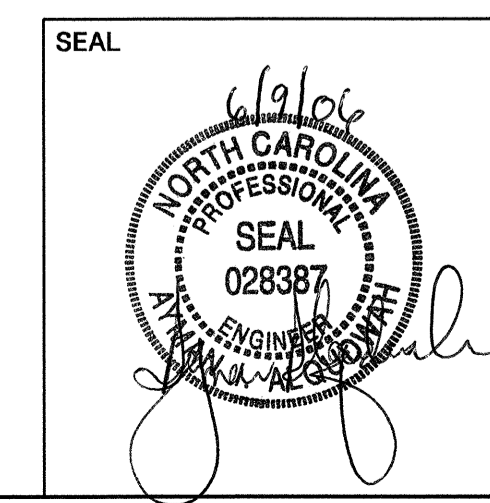
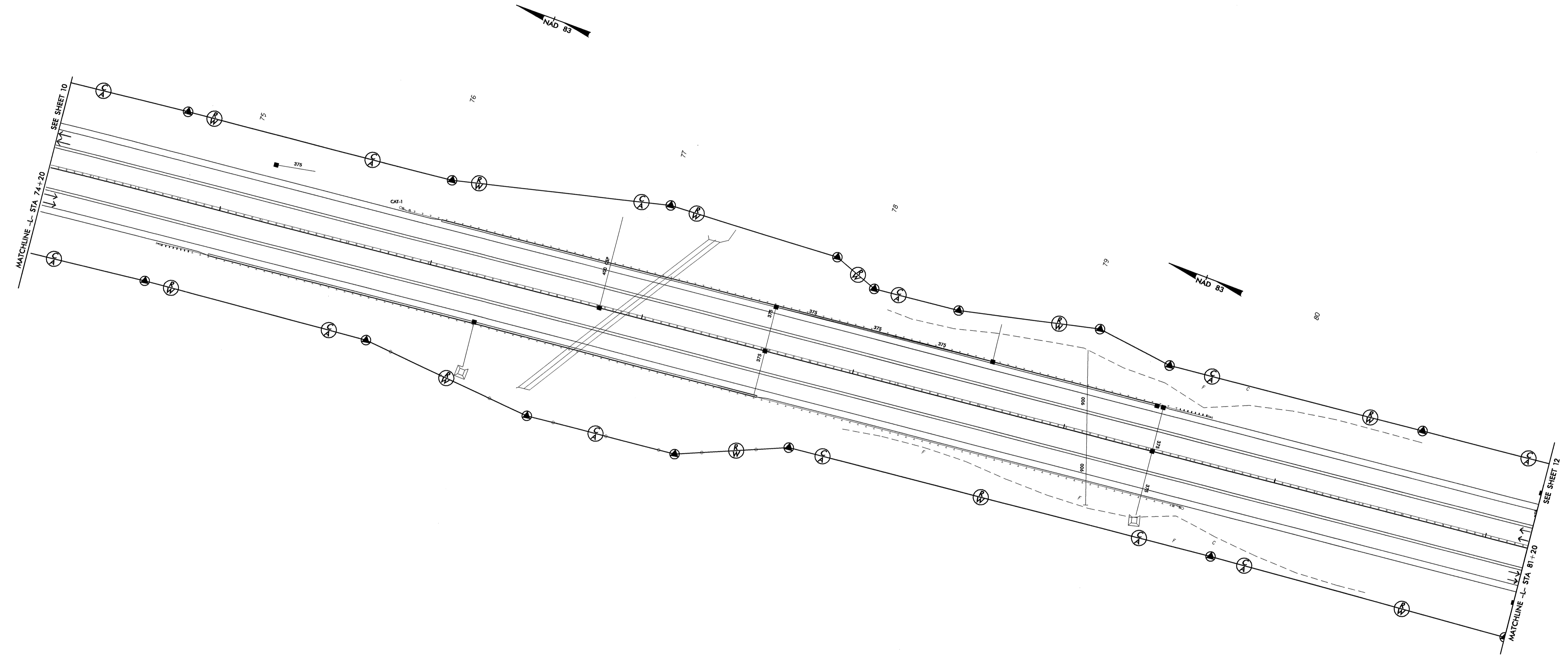


I-74 /US 311
PROPOSED SIGNS
STA. 66+80 to STA. 74+20 -L-

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	M. TRACEY		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



TIP NO.	SHEET NO.
R-06091B	SIGN-8



**I-74 / US 311
PROPOSED SIGNS
STA. 74+20 to STA. 81+20 -L-**

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	M. TRACEY		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

