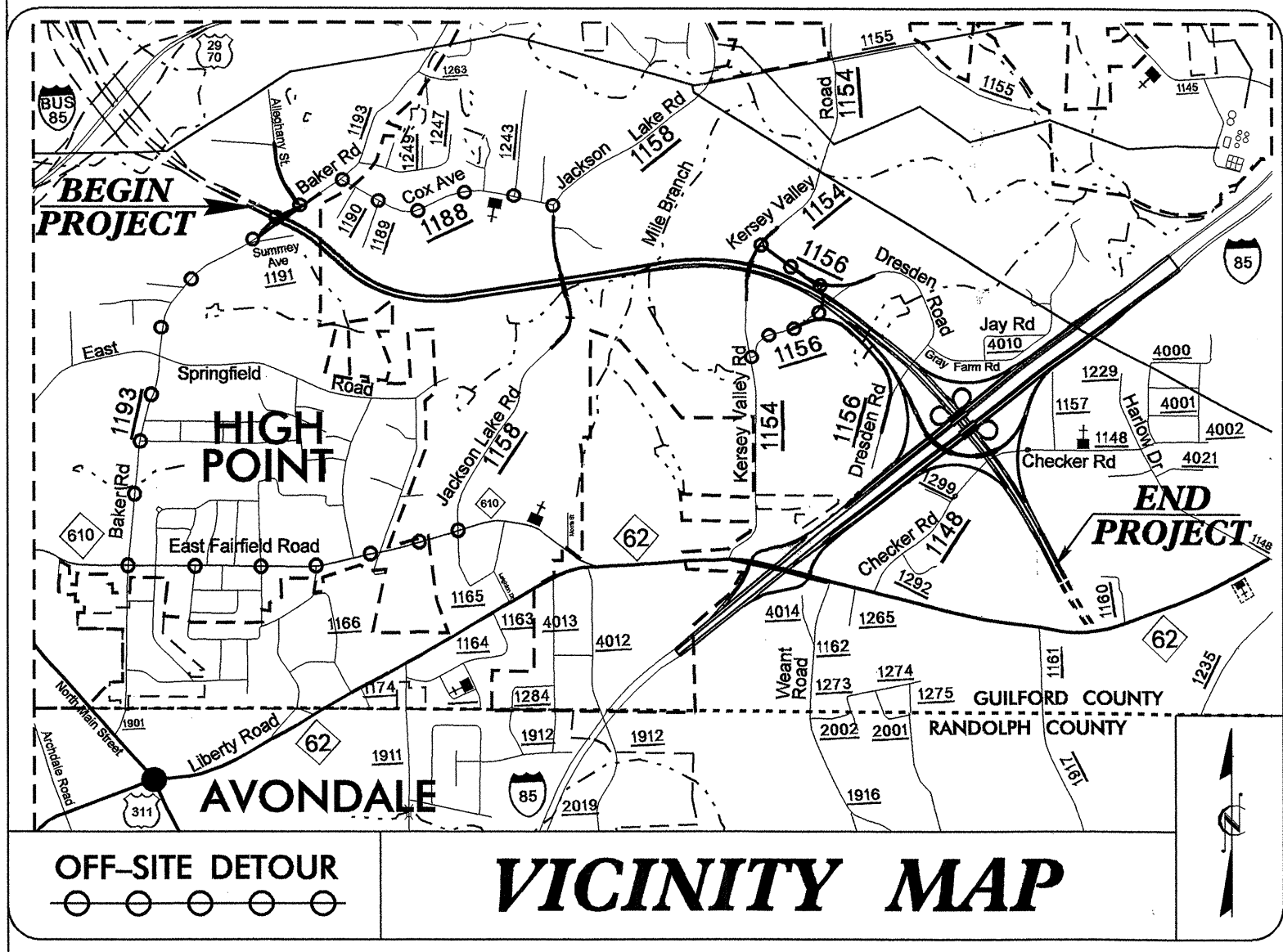


9/09/99

TIP: R-06091A
CONTRACT: C201275

See Sheet 1-A For Index of Sheets



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

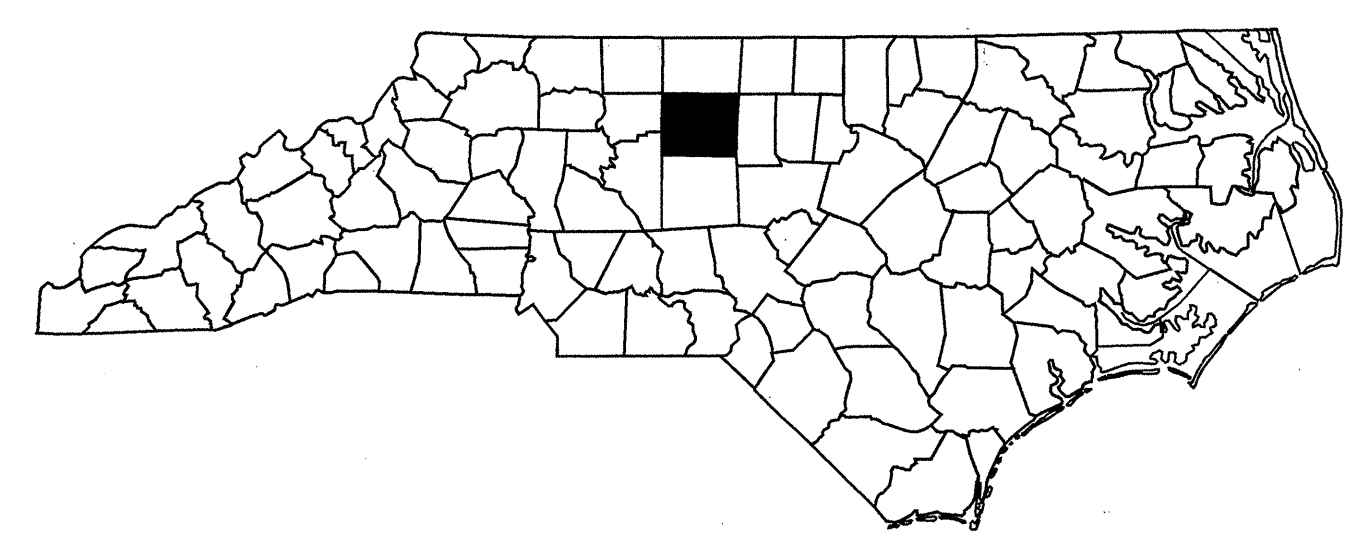
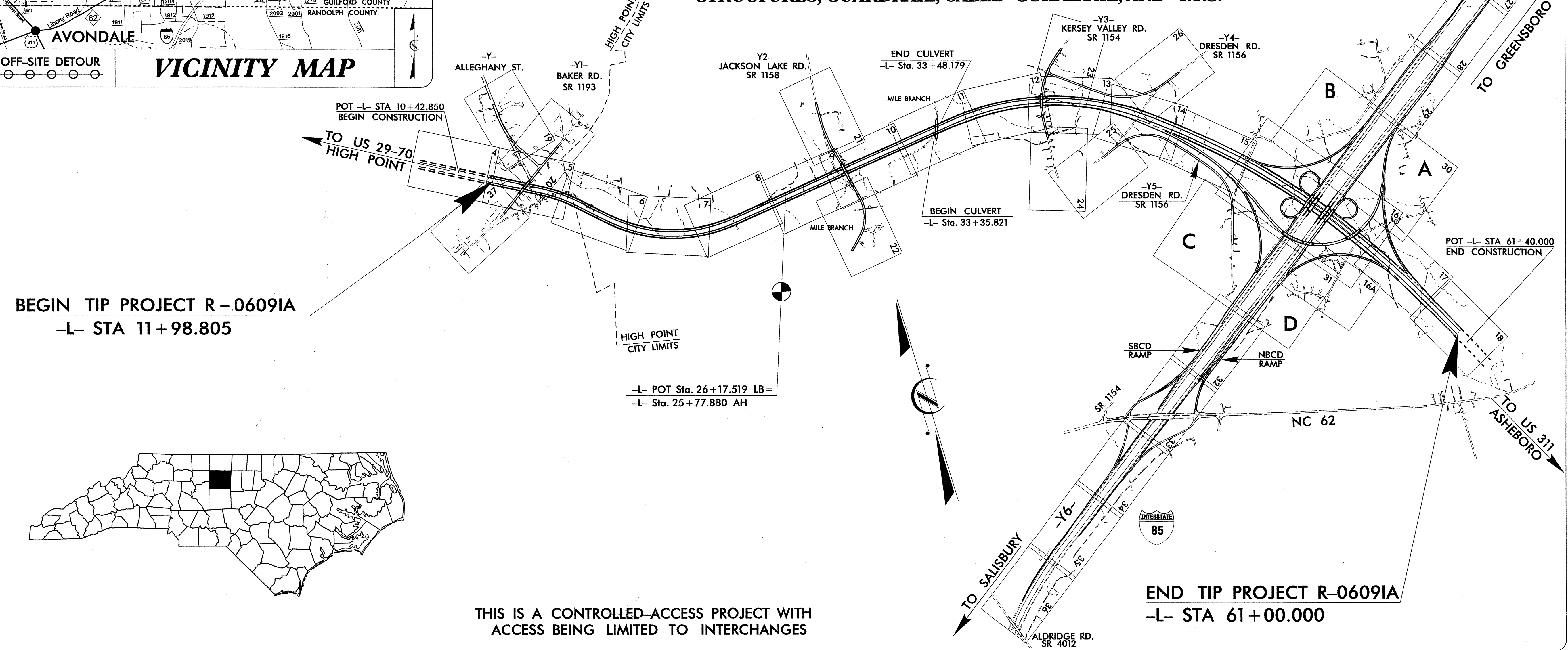
GUILFORD COUNTY

**LOCATION: US 311 HIGH POINT EAST BELTWAY FROM
US 29-70 TO I-85 NORTH OF ARCHDALE**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS, FENCING, CULVERTS,
STRUCTURES, GUARDRAIL, CABLE GUIDERAIL, AND I.T.S.**

ALL DIMENSIONS IN
THESE PLANS ARE IN METERS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-06091A	1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
34345.1.1	MAF-F-119-1(1)	PE	
34345.2.7	STP-NHF-119-1(11)	ROW & UTILITIES	
34345.3.15	STP-NHF-119-1(15)	CONSTRUCTION	



THIS IS A CONTROLLED-ACCESS PROJECT WITH
ACCESS BEING LIMITED TO INTERCHANGES

06-JUN-2006 09:52
P:\PROJECTS\060910\15h
333USPENN0615333

T.I.P.: R-06091A

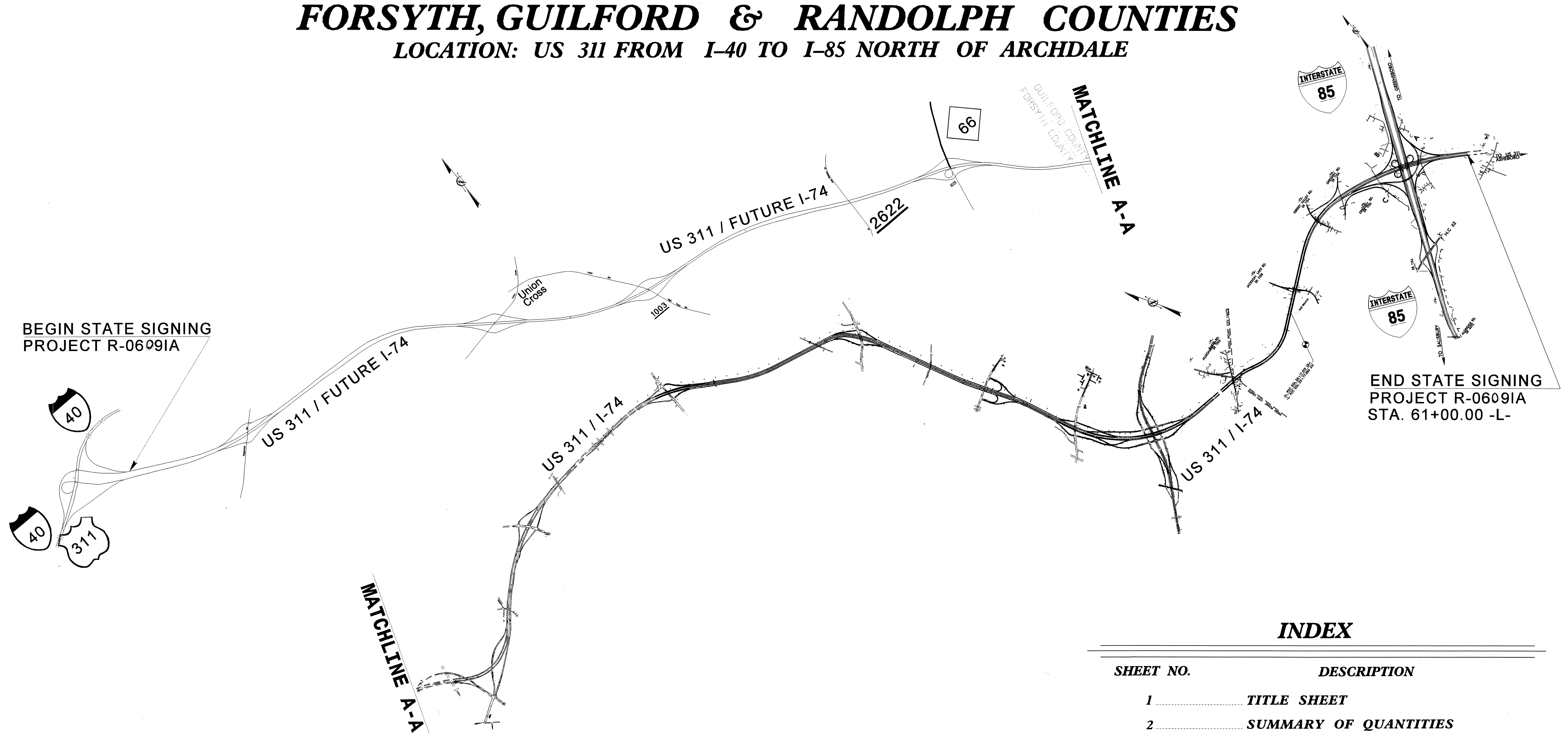
CONTRACT: C201275

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

TIP NO. R-06091A SHEET NO. SIGN-1



SIGNING PLANS
FORSYTH, GUILFORD & RANDOLPH COUNTIES
LOCATION: US 311 FROM I-40 TO I-85 NORTH OF ARCHDALE



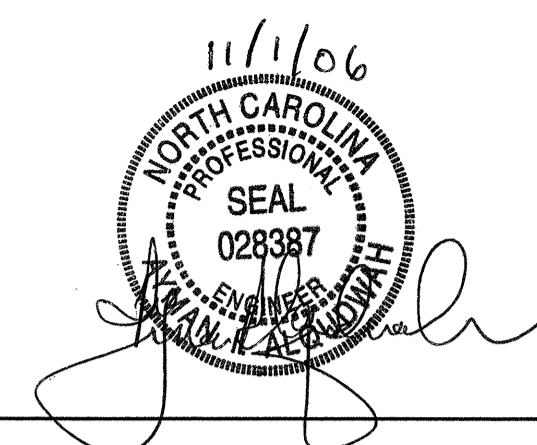
BEGIN STATE SIGNING
PROJECT R-06091A

END STATE SIGNING
PROJECT R-06091A
STA. 61+00.00 -L-

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUMMARY OF QUANTITIES
3	NOTES
4-30	OVERHEAD SIGN ASSEMBLIES
31 and 32	LIGHTING SHEETS
33-37	SUPPORT INFORMATION and applicable ROADWAY STANDARD DRAWINGS
38	E SHEETS
39-41	F and Milemarker SHEETS
42-84	SIGN ROADWAY SHEETS

PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION	SEAL
RON KING, P.E. SIGNING ENGINEER	
AYMAN ALQUDWAH, P.E. SIGNING PROJECT ENGINEER	
KELVIN JORDAN SIGNING PROJECT DESIGN ENGINEER	
GEORGE TERLIZZI SIGNING DESIGNER	



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.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 27+80 (Y6)	1	L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE A SIGN		S.M.	4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 36+20 (Y6)	1	L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE B SIGN		S.M.	4141000000	907	DISPOSAL OF SUPPORT, WOOD		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 50+20 (Y6)	1	L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN		S.M.	4143000000	907	DISPOSAL OF SUPPORT, OVERHEAD STRUCTURE		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 66+20 (Y6)	1	L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN		S.M.	4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 95+00 (Y6)	1	L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN		S.M.	4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	40	EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 79+20 (Y6)	1	L.S.
4025000000	901	CONTRACTOR FURNISHED, OVERLAYS SIGN		S.M.	4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	97	EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 55+00 (Y6)	1	L.S.
4025000000	901	CONTRACTOR FURNISHED, MILEMARKER SIGN		S.M.	4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD	2	EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 42+00 (Y6)	1	L.S.
4048000000	902	REINFORCED CONCRETE SIGN FOOTINGS	34	C.M.	4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 39+20 (Y6)	1	L.S.
4054000000	902	PLAIN CONCRETE SIGN FOOTINGS		C.M.	4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)	9	EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 31+00 (Y6)	1	L.S.
4056000000	902	OVERHEAD FOOTING		EA.	4236000000	907	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 26+50 (Y6)	1	L.S.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	10939	KG.	4238000000	907	DISPOSAL OF SIGN, D, E OR F		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 58+40 (L)	1	L.S.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	3536	KG.	4238500000	907	DISPOSAL OF SIGN, MILEMARKERS		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 53+10 (L)	1	L.S.
4072000000	903	SUPPORTS, 4.5-KG STEEL U-CHANNEL	1721	L.M.	4241000000	907	DISPOSAL OF SIGN, OVERLAY (OVERHEAD)		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 41+80 (L)	1	L.S.
4078000000	903	SUPPORTS, 3.0-KG STEEL U-CHANNEL	42	EA.	4242000000	907	DISPOSAL OF SIGN, OVERLAY (GROUND MOUNTED)		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 26+00 (L)	1	L.S.
4079000000	903	SUPPORTS, BARRIER (SMALL)		EA.	4251000000	907	DISPOSAL OF LIGHTING SYSTEM		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 8+43 (L)	1	L.S.
4080000000	903	SUPPORTS, BARRIER (LARGE)		EA.	4258000000	907	DISPOSAL OF LIGHTING FIXTURES		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 3+54 RAMP B	1	L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4263000000	907	DISPOSAL OF WALKWAY		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 11+00 (L)	1	L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4132000000	907	STOCKPILE SUPPORT, STEEL BEAM		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 27+00 (L)	1	L.S.
4082000000	903	SUPPORTS, WOOD		L.M.	4140000000	907	STOCKPILE SUPPORT, WOOD		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 43+00 (L)	1	L.S.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	8	EA.	4142000000	907	STOCKPILE SUPPORT, OVERHEAD STRUCTURE		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 15+28 RAMP C	1	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 17+20 (Y6)	1	L.S.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	53	EA.	4151000000	907	STOCKPILE SIGN SYSTEM, STEEL BEAM		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA 22+80 (Y6)	1	L.S.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	18	EA.	4154000000	907	STOCKPILE SIGN SYSTEM, U-CHANNEL		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA 27+80 (Y6)	1	L.S.
4096000000	904	SIGN ERECTION, TYPE D	20	EA.	4157000000	907	STOCKPILE SIGN SYSTEM, WOOD		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA 36+20 (Y6)	1	L.S.
4102000000	904	SIGN ERECTION, TYPE E	100	EA.	4186000000	907	STOCKPILE SUPPORT, U-CHANNEL		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA 42+00 (Y6)	1	L.S.
4108000000	904	SIGN ERECTION, TYPE F	89	EA.	4228000000	907	STOCKPILE SIGN, A OR B (OVERHEAD)		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA 39+20 (Y6)	1	L.S.
4114000000	904	SIGN ERECTION, MILEMARKERS	42	EA.	4235000000	907	STOCKPILE SIGN, A OR B (GROUND MOUNTED)		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA 31+00 (Y6)	1	L.S.
4115000000	904	SIGN ERECTION, OVERLAY (OVERHEAD)	32	EA.	4237000000	907	STOCKPILE SIGN, D, E OR F		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA 26+50 (Y6)	1	L.S.
4116000000	904	SIGN ERECTION, OVERLAY (GROUND MOUNTED)	29	EA.	4237500000	907	STOCKPILE SIGN, MILEMARKERS		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA 58+40 (L)	1	L.S.
4116200000	904	SIGN ERECTION, REPOSITION OVERHEAD		EA.	4250000000	907	STOCKPILE LIGHTING SYSTEM		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA 53+10 (L)	1	L.S.
4116300000	904	SIGN ERECTION, LOGO TO PANEL		EA.	4252000000	907	STOCKPILE LIGHTING FIXTURES		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA 43+00 (L)	1	L.S.
4116400000	904	SIGN ERECTION, LOGO TRAILBLAZER		EA.	4262000000	907	STOCKPILE WALKWAY		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA 15+28 RAMP C	1	L.S.
4116500000	904	SIGN ERECTION, WALKWAY		L.M.	4277000000	908	TEMPORARY SIGN, TYPE A		S.M.	4128000000	SP	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE B		S.M.	4128000000	SP	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE D		S.M.	4355000000	SP	INTEGRATION INTO EXISTING DMS SYSTEM		L.S.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE E		S.M.	4355100000	SP	DYNAMIC MESSAGE SIGN SYSTEM "DMS-#"		L.S.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE F		S.M.	4355100000	SP	DYNAMIC MESSAGE SIGN SYSTEM "DMS-#"		L.S.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE A		EA.	4355200000	SP	DMS SYSTEM SERVER COMPUTER		L.S.
4129000000	906	RELOCATE SIGN, TYPE A (OVERHEAD)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE B		EA.	4355210000	SP	DMS SYSTEM CLIENT COMPUTER		EA.
4129000000	906	RELOCATE SIGN, TYPE B (OVERHEAD)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE D		EA.	4355220000	SP	DMS SYSTEM LAPTOP COMPUTER		EA.
4129000000	906	RELOCATE SIGN, TYPE A (GROUND MOUNTED)	4	EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE E		EA.	4355230000	SP	DMS SYSTEM CONTROL SOFTWARE		EA.
4129000000	906	RELOCATE SIGN, TYPE B (GROUND MOUNTED)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE F		EA.	4355300000	SP	DYNAMIC MESSAGE SIGN MAINTENANCE TRAINING		EA.
4129000000	906	RELOCATE SIGN, TYPE D		EA.	4279000000	908	TEMPORARY RELOCATE SIGN SUPPORT, STEEL BEAM		EA.	4355310000	SP	DYNAMIC MESSAGE SIGN SYSTEM DESIGN APPROVAL TESTS		EA.
4129000000	906	RELOCATE SIGN, TYPE E		EA.	4083200000	SP	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY DMS-1 AT 420M BEYOND MM119	1	L.S.	4355320000	SP	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FACTORY TESTS		EA.
4129000000	906	RELOCATE SIGN, TYPE F		EA.	4083200000	SP	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY DMS-2 AT 20M BEYOND MM109	1	L.S.	4355330000	SP	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FIELD TESTS		L.S.
4129000000	906	RELOCATE SIGN, MILEMARKERS		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 1609M from 6+70 (Y6)	1	L.S.	4355340000	SP	DYNAMIC MESSAGE SIGN BENCH TEST UNIT		L.S.
4129200000	906	RELOCATE SUPPORT, OVERHEAD SIGN SYSTEM		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 6+70 (Y6)	1	L.S.	4355350000	SP	DYNAMIC MESSAGE SIGN SYSTEM NTCIP TESTS		L.S.
4129300000	906	RELOCATE SUPPORT, STEEL BEAM		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 17+20 (Y6)	1	L.S.	4365000000	SP	OVERHEAD FOOTINGS	1001	C.M.
4129400000	906	RELOCATE LIGHTING SYSTEM		EA.	4082200000	SP	OVERHEAD SIGN ASSEMBLY AT STA 22+80 (Y6)	1	L.S.	S	SP	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.

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

901.10	901.60	904.20
901.20	901.70	904.40
901.50	904.10	904.50



TIP NO.
R-06091A

SHEET NO.
SIGN-3

Pay Item Notes:

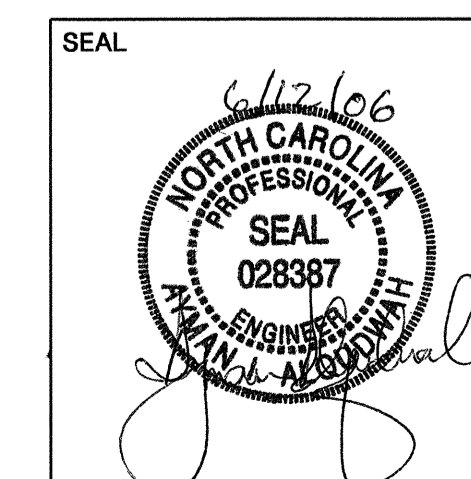
- 1 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 3 DISPOSAL OF SIGN SYSTEM, WOOD
- 4 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 5 SIGN ERECTION, TYPE A (OVERHEAD)
- 6 SIGN ERECTION, OVERLAY (OVERHEAD)
- 7 SIGN ERECTION, OVERLAY (GROUND MOUNTED)
- 8 RELOCATE SIGN, TYPE A (GROUND MOUNTED)

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 DESIGNATED OVERHEAD STRUCTURES AS SHOWN ON PLANS. 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.

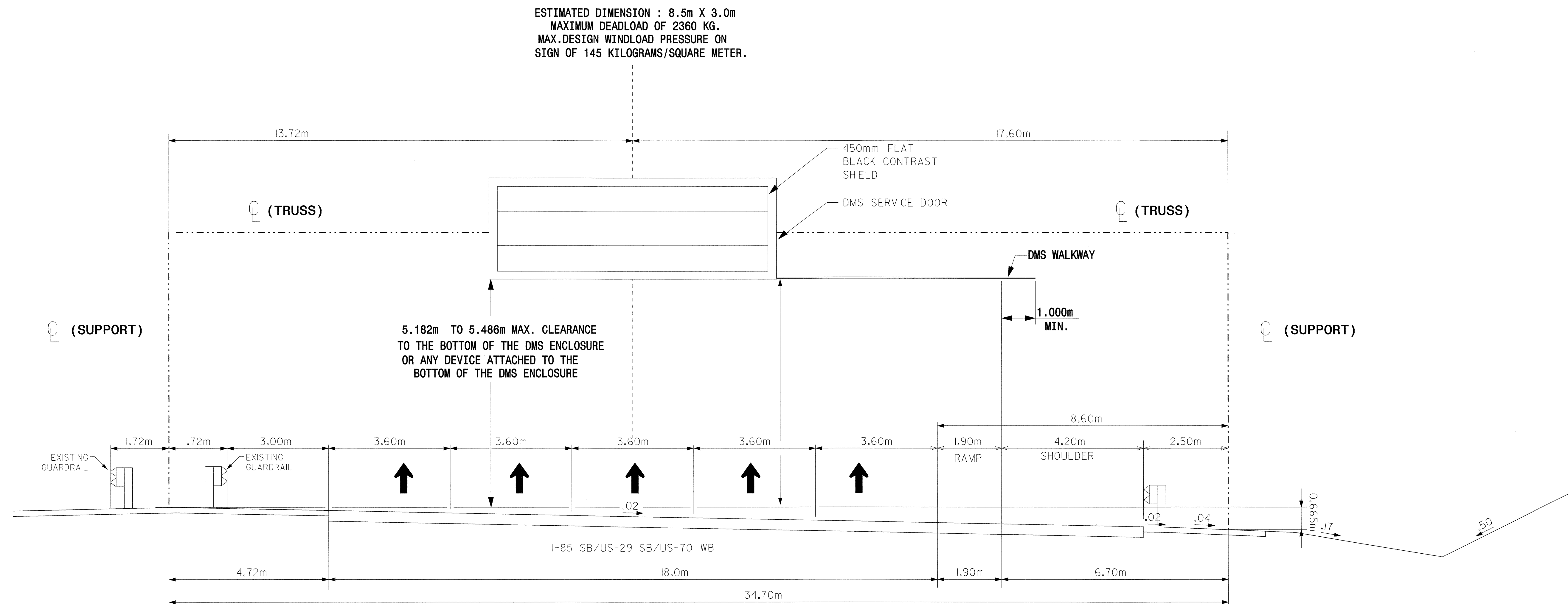
Project Notes:

- 1 ALL PROPOSED TYPE A & B SIGNS TO REPLACE EXISTING SIGNS SHALL BE PLACED 3 METERS BEHIND EXISTING SIGNS.
- 2 THE CONTRACTOR NEEDS TO CONTACT THE DIVISION LOGO COORDINATOR PRIOR TO RELOCATION TO ADD AN "A" TO EXIT 113.



NOTES

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

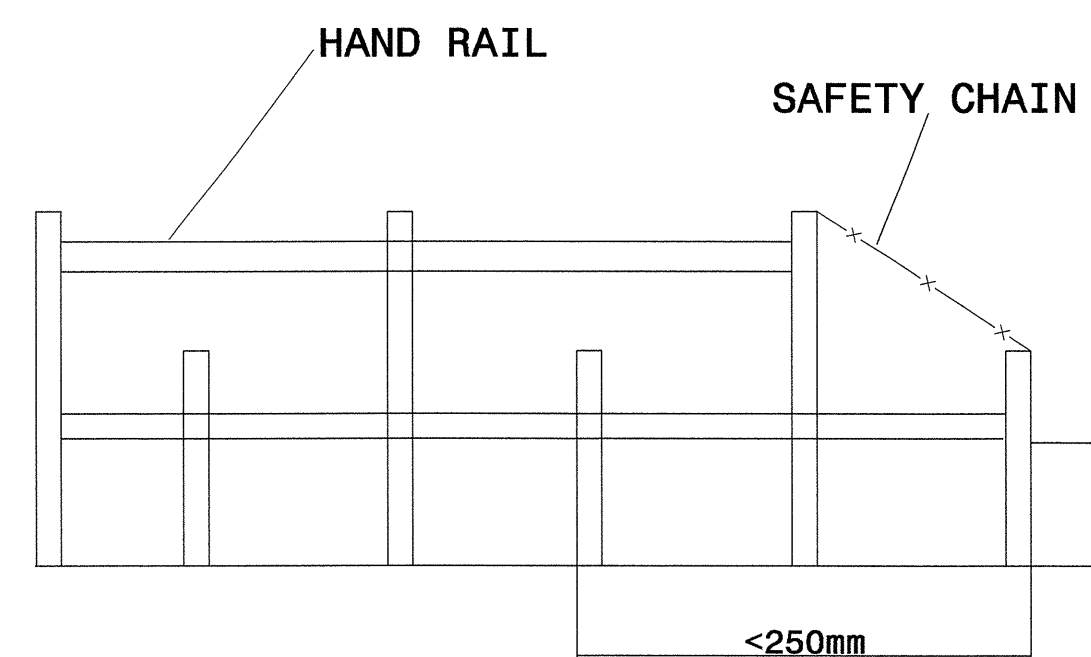


ESTIMATED DIMENSION : 8.5m X 3.0m
 MAXIMUM DEADLOAD OF 2360 KG.
 MAX.DESIGN WINDLOAD PRESSURE ON
 SIGN OF 145 KILOGRAMS/SQUARE METER.

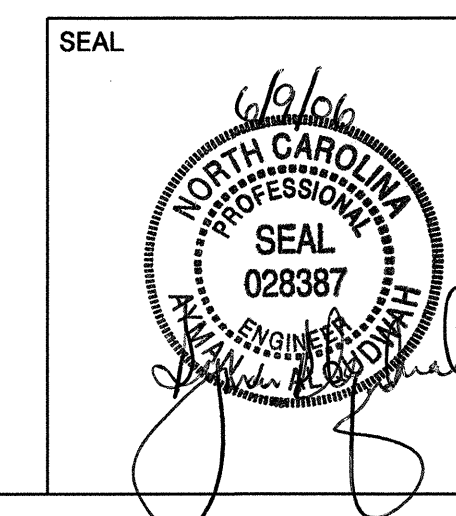
DMS 1

NOTES:

1. MAINTANCE WALKWAYS SHALL BE PROVIDED ON THE DMS STRUCTURE.
2. THE BOTTOM EDGE OF ALL SIGNS IN EACH ASSEMBLY SHALL BE LOCATED ON A HORIZONTAL PLANE.
3. DMS ATTACHMENT HEIGHT TO STRUCTURE IS VARIABLE. ATTACHMENT METHOD SHALL BE PROVIDED BY THE CONTRACTOR.
4. THE ACTUAL DIMENSIONS AND WEIGHT OF THE CHANGEABLE MESSAGE SIGN WILL BE PROVIDED BY DMS FABRICATOR. SUCH DIMENSIONS WILL BE USED TO COMPLETE THE DESIGN OF THE OVERHEAD STRUCTURE.
5. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS AND GROUND SLOPES AT THE FOOTINGS, PER THE LATEST N.C. D.O.T. STANDARD SPECIFICATION FOR ROADS AND STRUCTURES.
6. 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.
7. SAFETY HANDRAILS SHALL BE INSTALL ON BOTH SIDES OF THE MAINTANCE WALKWAY.



WALKWAY TYPICAL

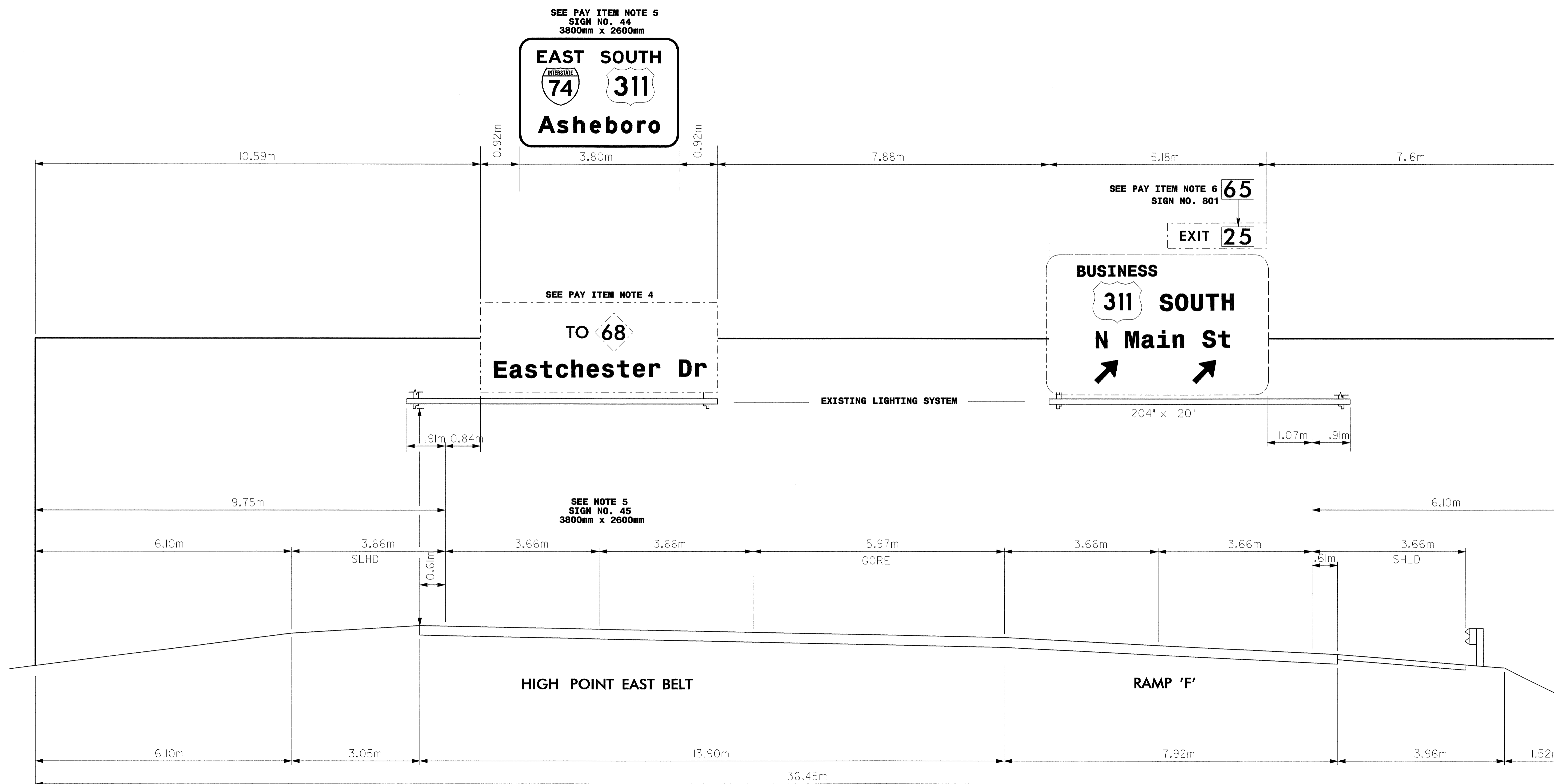


DMS-1		I-85 SOUTHBOUND		420M BEYOND M.M. #119	
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION		REVISIONS	
DATE	APRIL 2006	DIVISION OF HIGHWAYS			
SIGNING DESIGN ENG	S. JOHNS	TRAFFIC ENGINEERING			
SIGNING PROJECT DGN ENG	K. JORDAN	BRANCH			
SIGNING PROJECT ENG	A. ALQUDWAH				



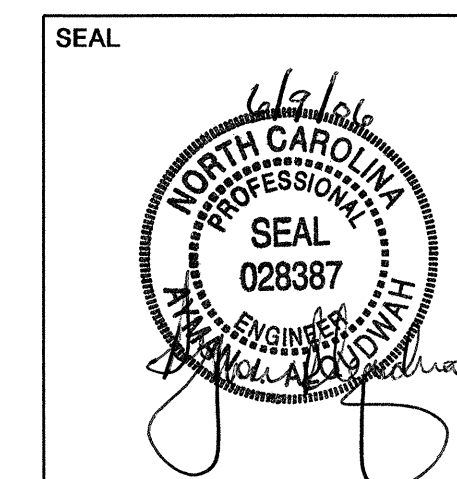
TIP NO.
R-06091A

SHEET NO.
SIGN-5A



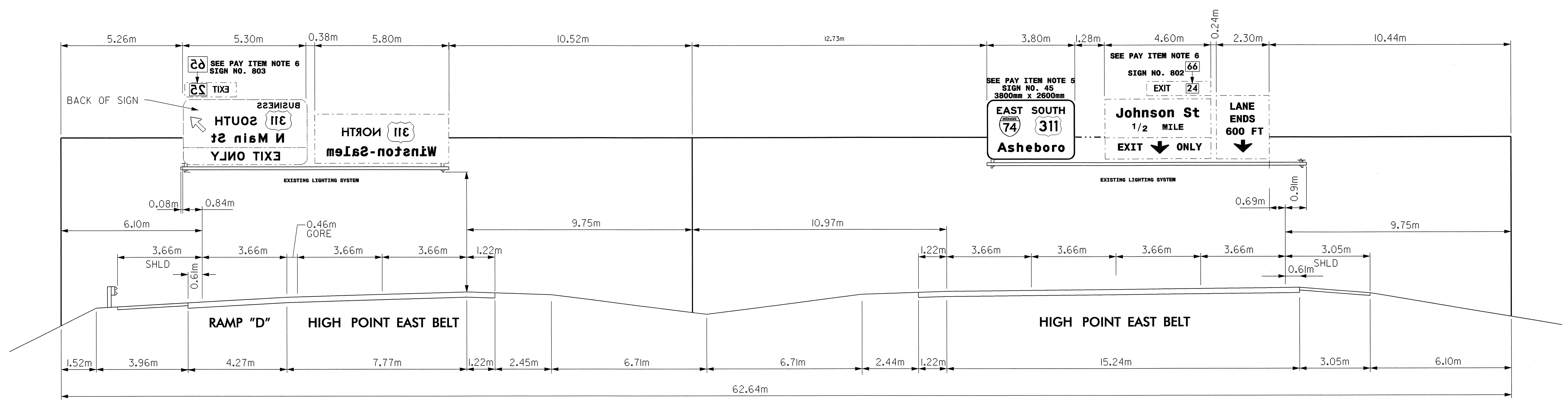
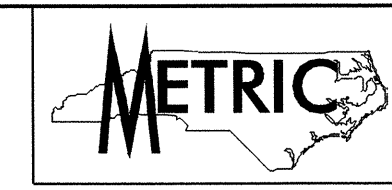
NOTES:

1. THE BOTTOM EDGE OF ALL SIGNS IN EACH ASSEMBLY SHOULD BE LOCATED ON A HORIZONTAL PLANE.
2. DASH LINE DEPICTS THE CENTERLINE OF THE OVERHEAD SIGN SUPPORTS AND TRUSS.



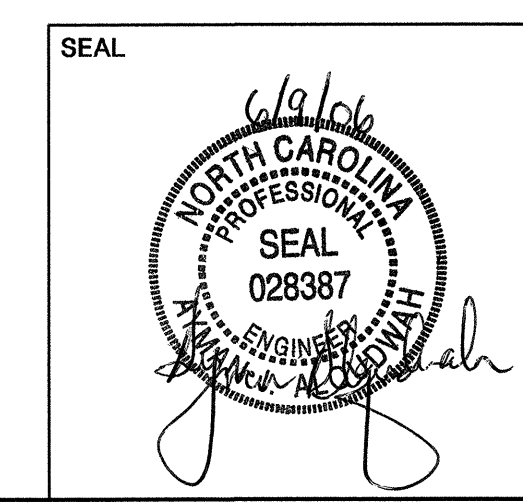
I-74 EB /US 311 SB
EXISTING OVERHEAD SIGN ASSEMBLY "AA"

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			

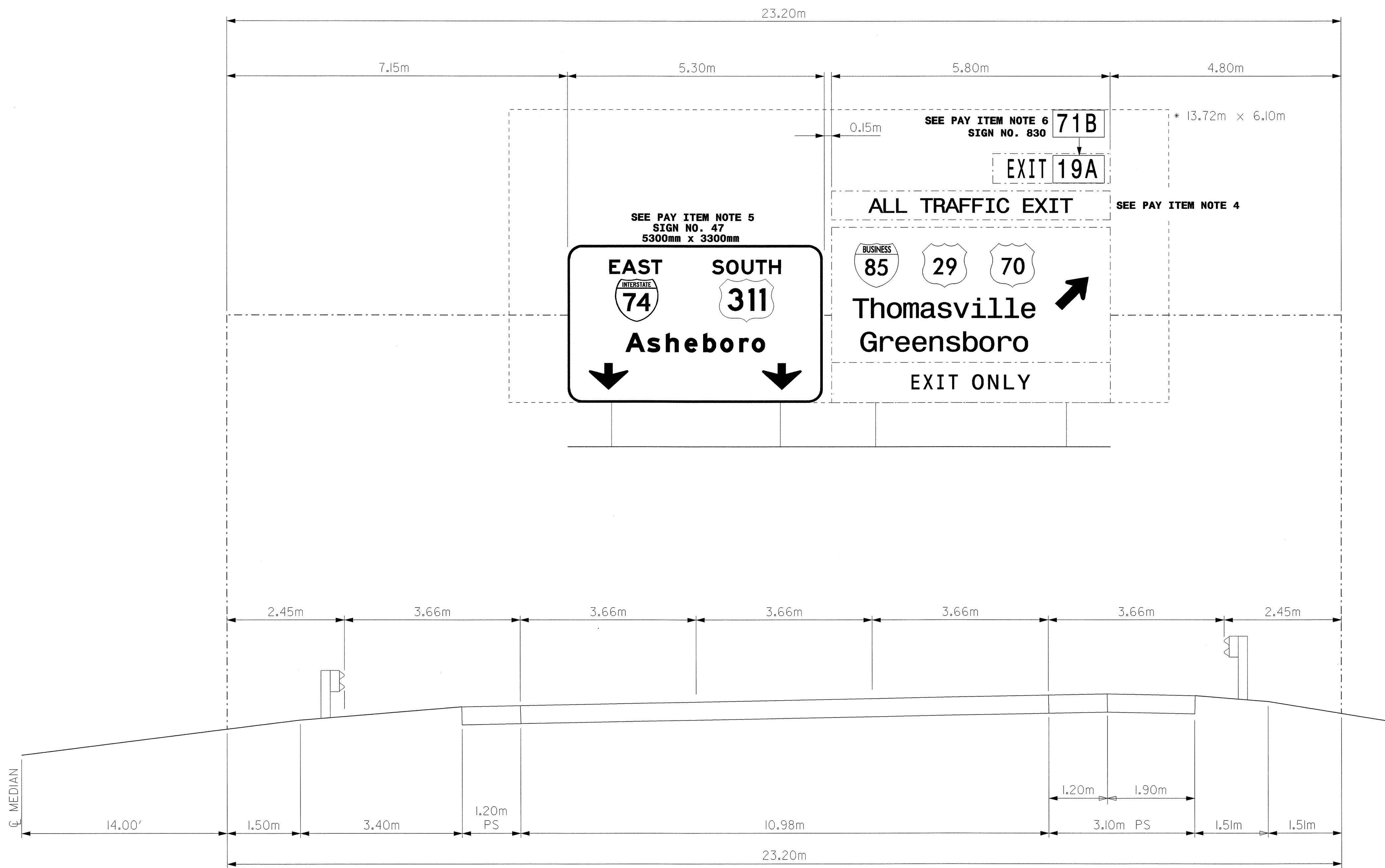
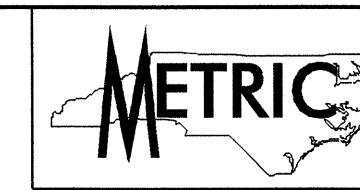


NOTES:

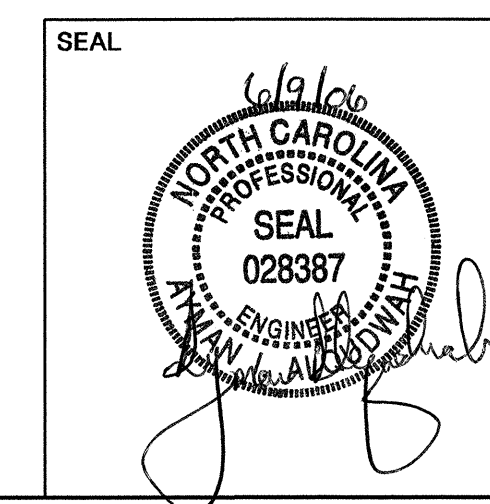
1. THE BOTTOM EDGE OF ALL SIGNS IN EACH ASSEMBLY SHOULD BE LOCATED ON A HORIZONTAL PLANE.
2. DASH LINE DEPICTS THE CENTERLINE OF THE OVERHEAD SIGN SUPPORTS AND TRUSS.



I-74 WB /US 311 NB EXISTING OVERHEAD SIGN ASSEMBLY "BB"			
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:
1. THE BOTTOM EDGE OF ALL SIGNS IN EACH ASSEMBLY SHOULD BE LOCATED ON A HORIZONTAL PLANE.
 2. DASH LINE DEPICTS THE CENTERLINE OF THE OVERHEAD SIGN SUPPORTS AND TRUSS.

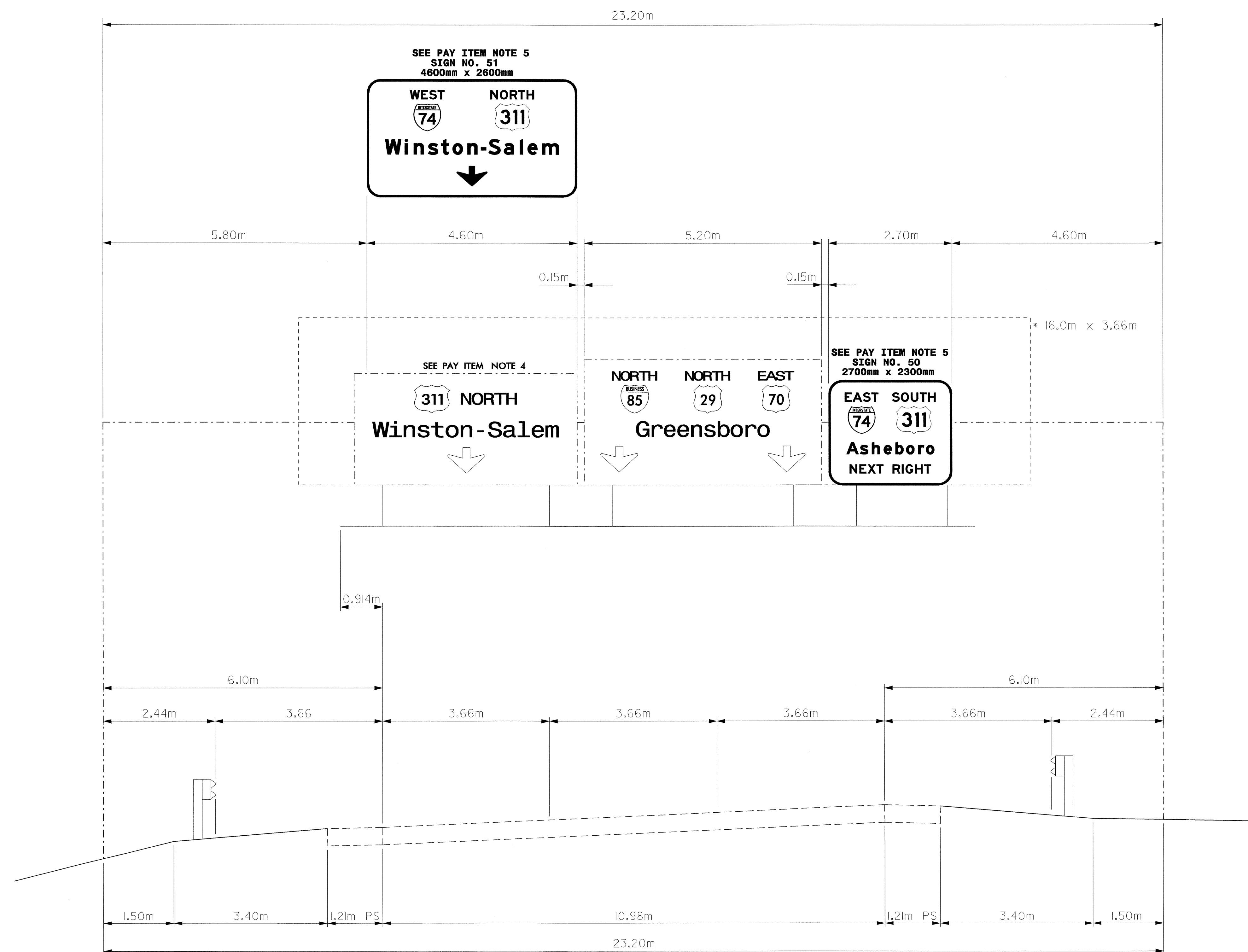


I-74 EB /US 311 SB EXISTING OVERHEAD SIGN ASSEMBLY "DD"			
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	M. TRACEY		
SIGNING PROJECT DSN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



TIP NO.
R-06091A

SHEET NO.
SIGN-5E



NOTES:

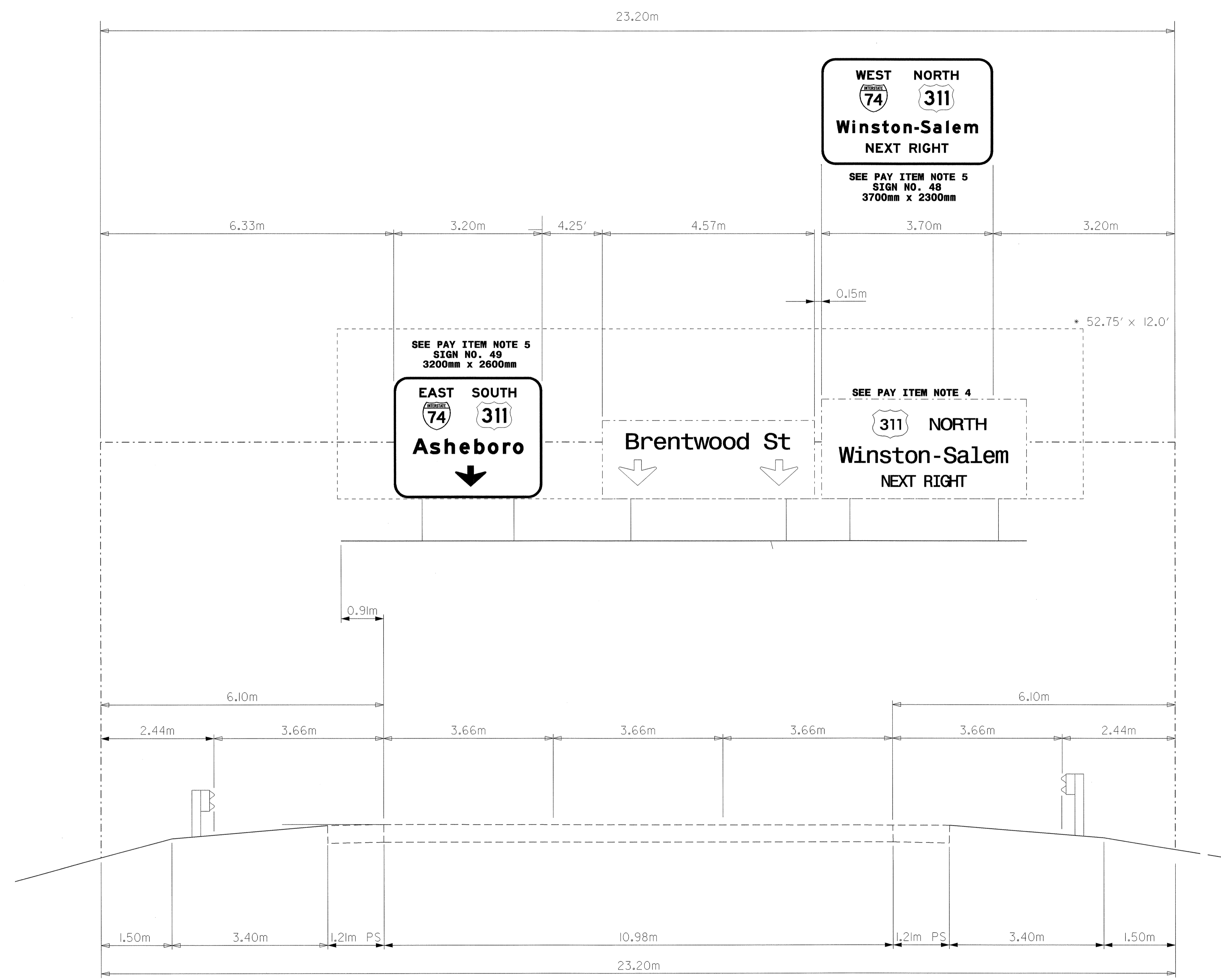
1. THE BOTTOM EDGE OF ALL SIGNS IN EACH ASSEMBLY SHOULD BE LOCATED ON A HORIZONTAL PLANE.
2. DASH LINE DEPICTS THE CENTERLINE OF THE OVERHEAD SIGN SUPPORTS AND TRUSS.

SEAL

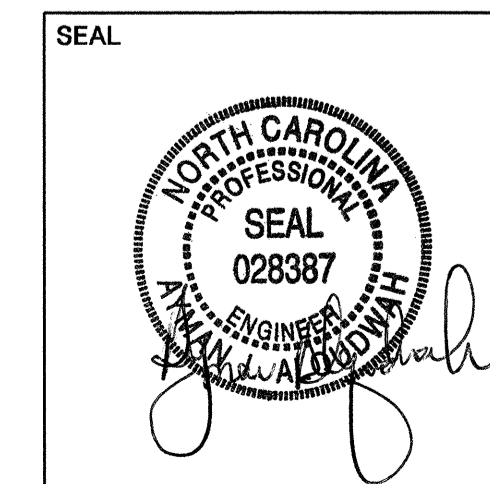


**I-85 BUS NB /US 29 NB/US 70 EB
EXISTING OVERHEAD SIGN ASSEMBLY "EE"**

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		

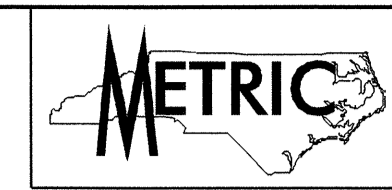


- NOTES:
1. THE BOTTOM EDGE OF ALL SIGNS IN EACH ASSEMBLY SHOULD BE LOCATED ON A HORIZONTAL PLANE.
 2. DASH LINE DEPICTS THE CENTERLINE OF THE OVERHEAD SIGN SUPPORTS AND TRUSS.

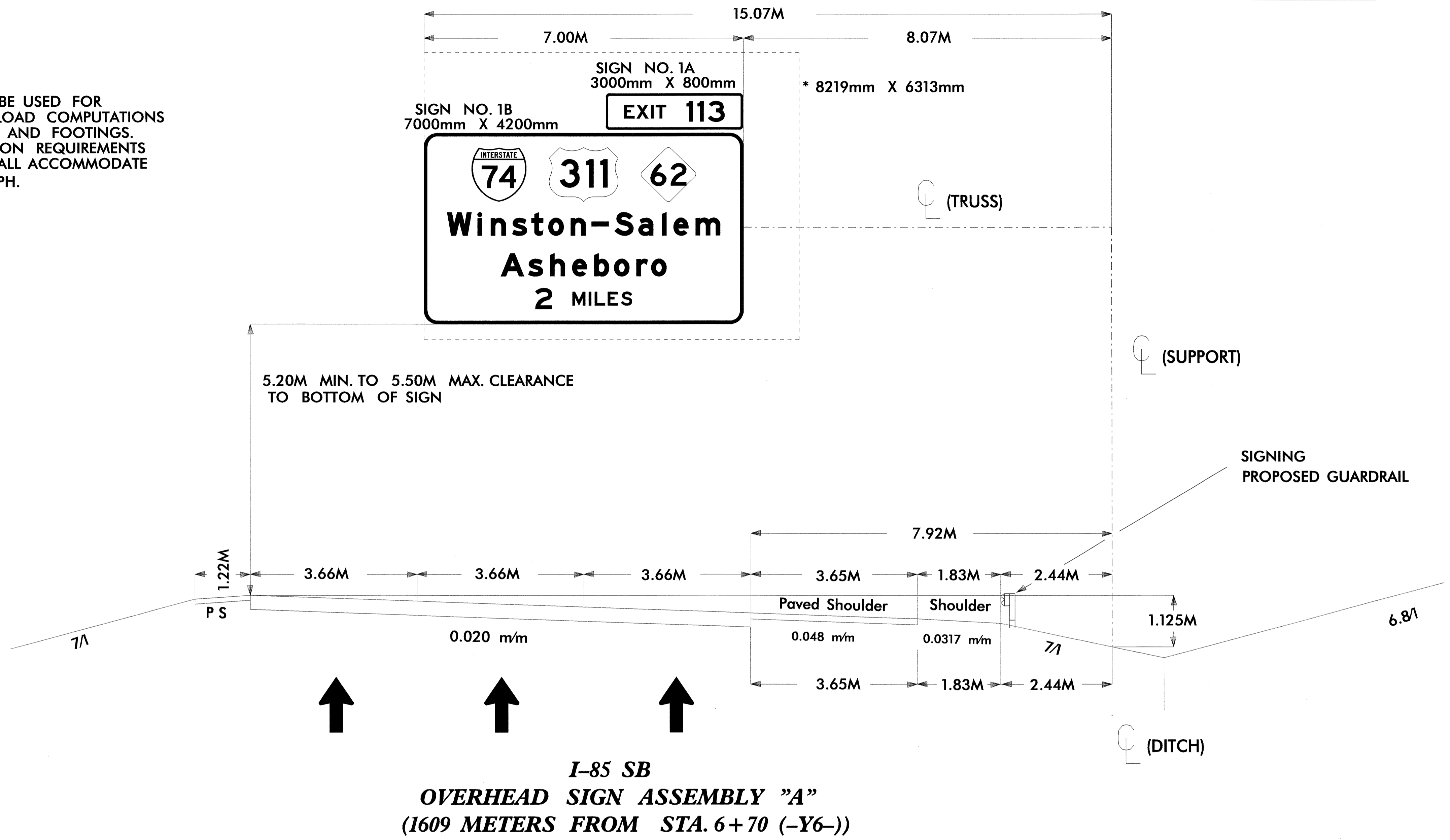


**I-85 BUS SB /US 29 SB/US 70 WB
EXISTING OVERHEAD SIGN ASSEMBLY "FF"**

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		

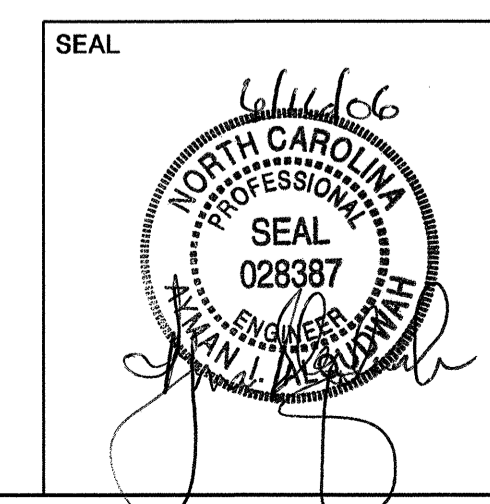


* THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 145 KPH.

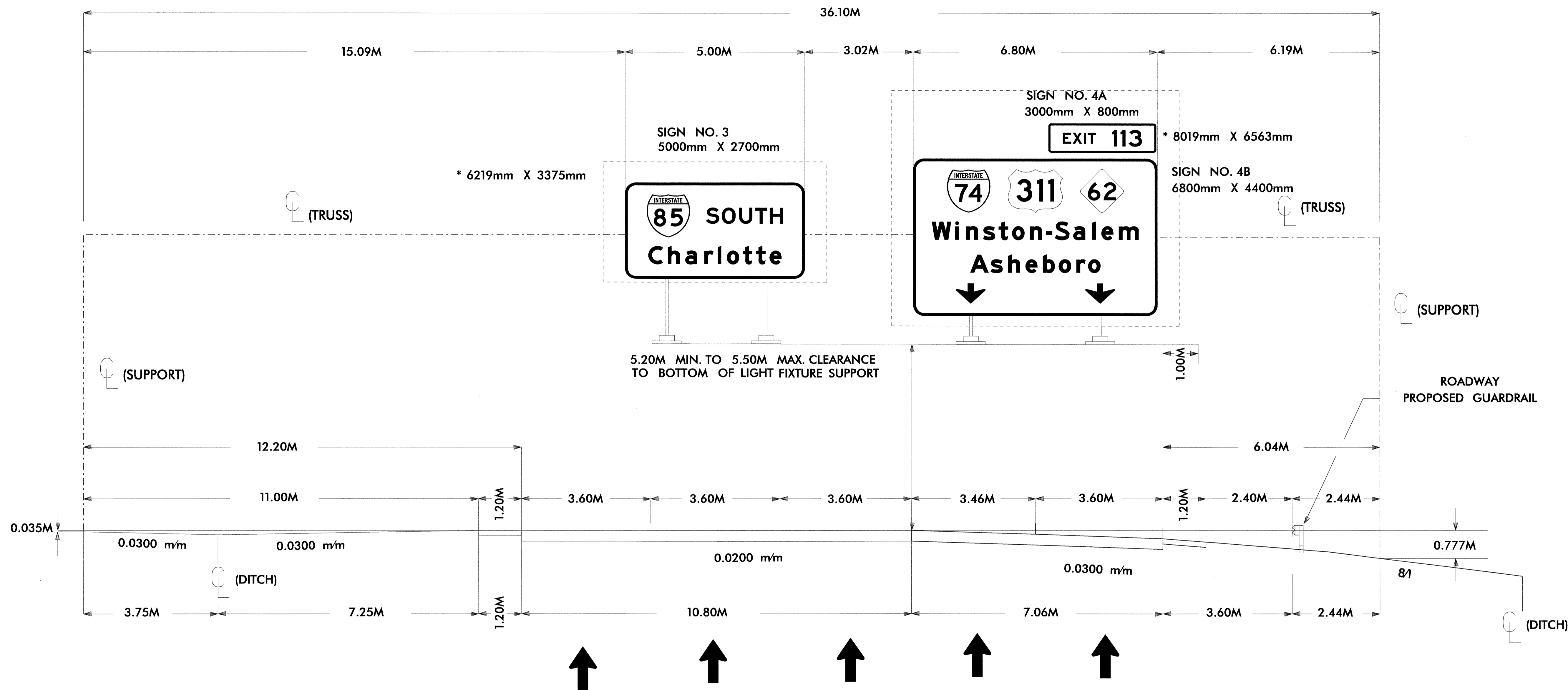


NOTES:

1. IF THE CONTRACTOR BIDS ALUMIMUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
3. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
4. 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.
5. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THE PLANS, INCLUDING THOSE DESIGNATED AS "FUTURE".



I-85 SB OVERHEAD SIGN ASSEMBLY "A" (1609 METERS FROM STA. 6+70 (-Y6-))			
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI	DIVISION OF HIGHWAYS	
SIGNING PROJECT DGN ENG	K. JORDAN	TRAFFIC ENGINEERING BRANCH	
SIGNING PROJECT ENG	A. ALQUDWAH		

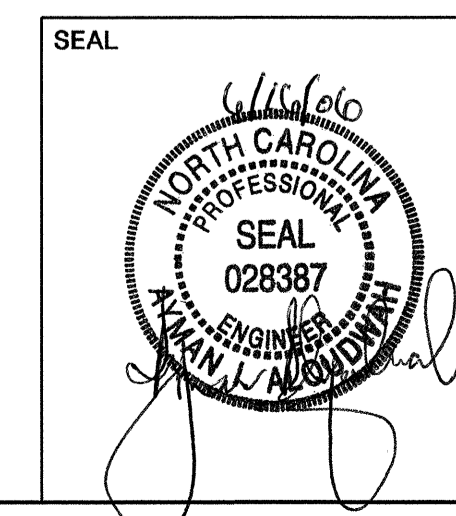


NOTES:

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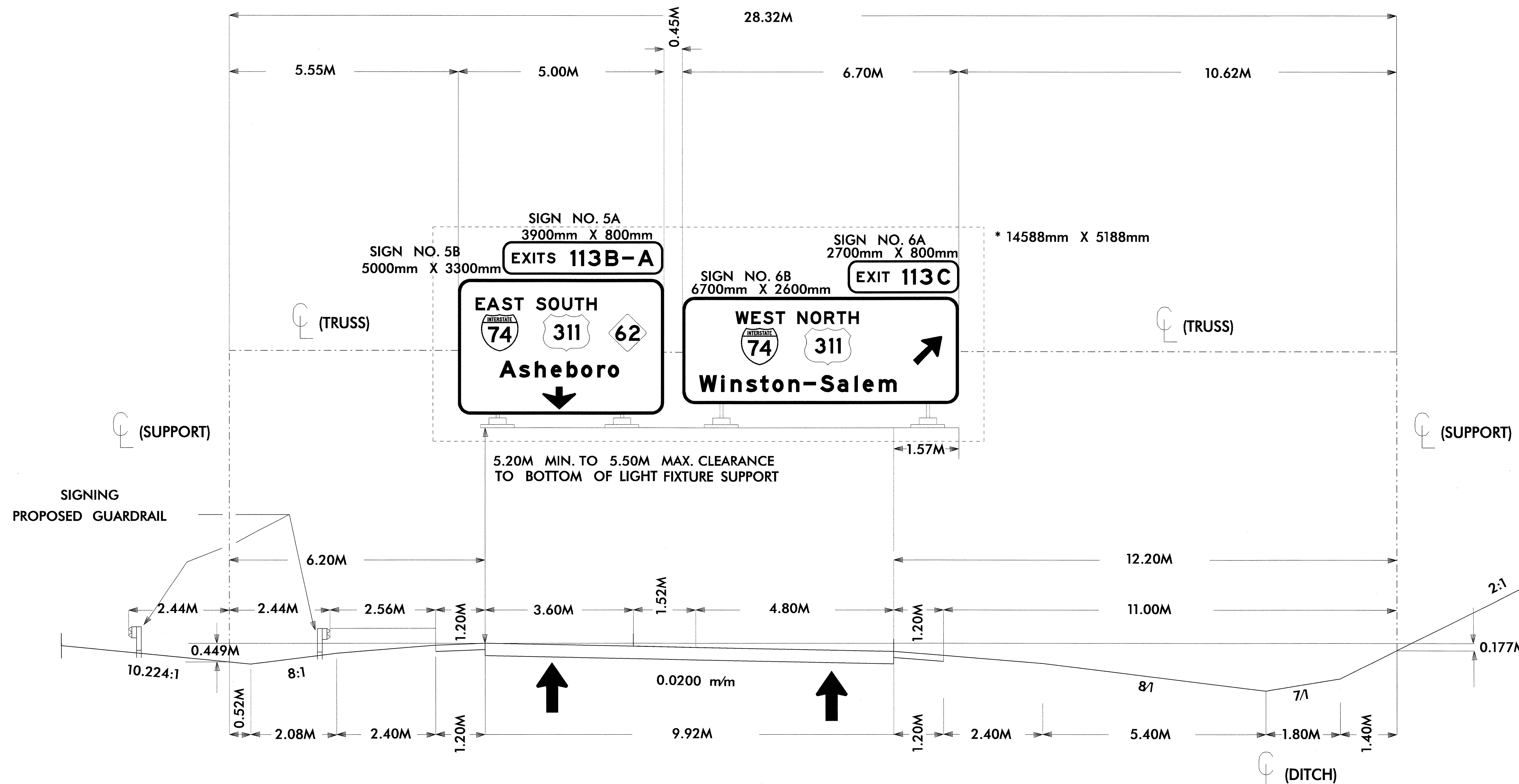
**I-85 SB
OVERHEAD SIGN ASSEMBLY "C"
@ STA. 17+20 (-Y6-)**

* 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-85 SB
OVERHEAD SIGN ASSEMBLY "C"
@ STA. 17+20 (-Y6-)**

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

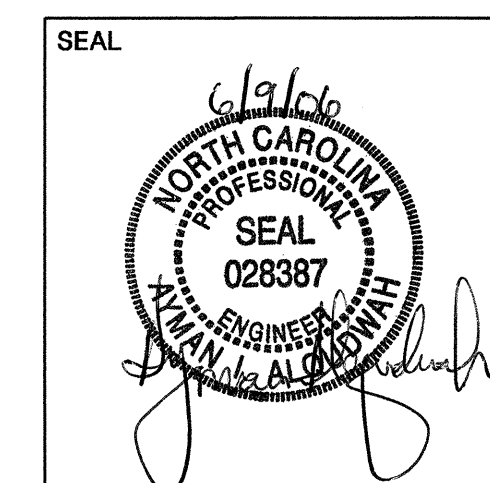


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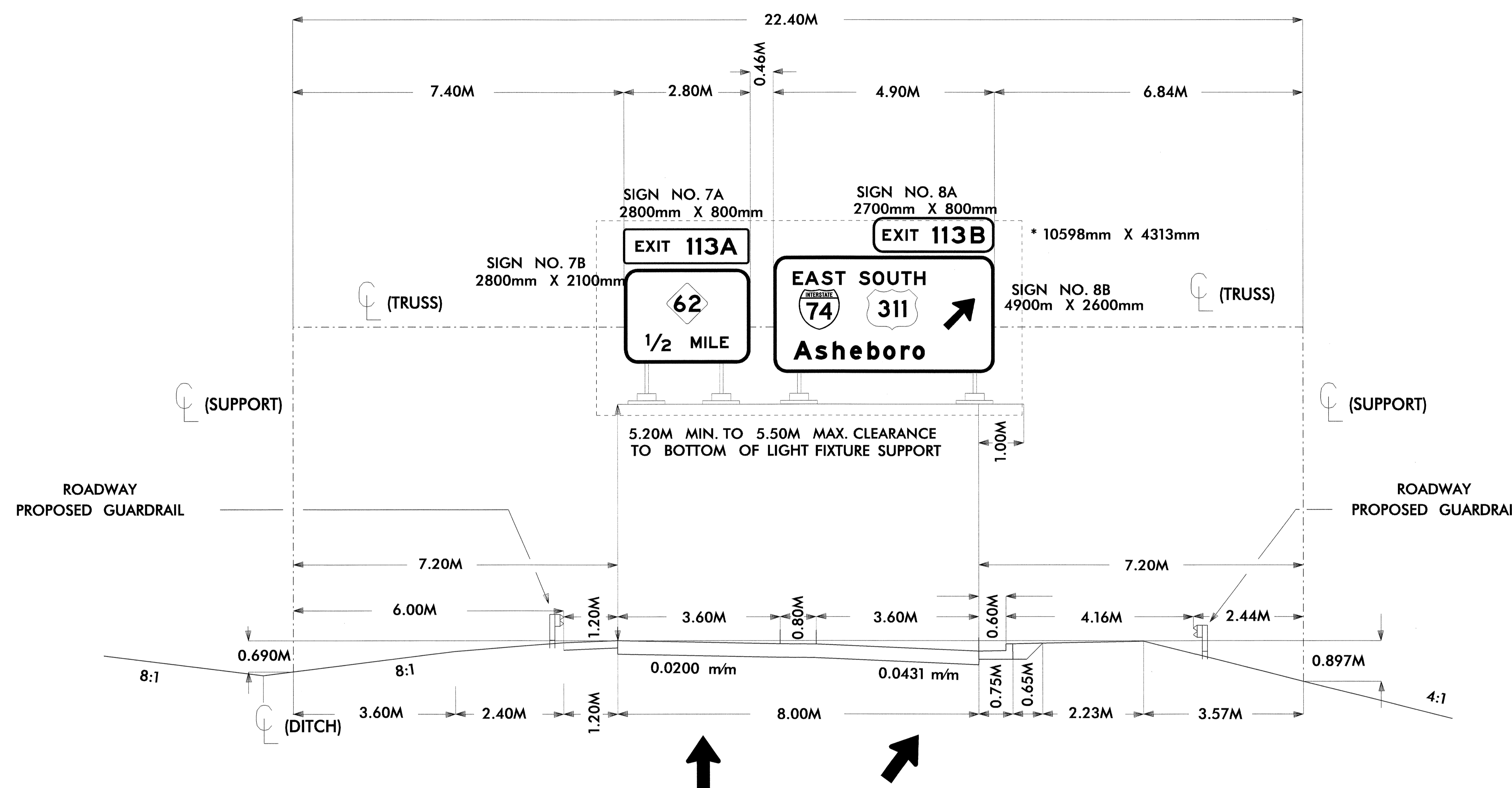
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**I-85 SB
OVERHEAD SIGN ASSEMBLY "D"
@ STA. 22+80 (-Y6-)**

* 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-85 SB OVERHEAD SIGN ASSEMBLY "D" @ STA. 22+80 (-Y6-)		N. C. DEPARTMENT OF TRANSPORTATION	
SCALE	1:1000	DIVISION OF HIGHWAYS	
DATE	FEB 2006	TRAFFIC ENGINEERING BRANCH	
SIGNING DESIGN ENG	G. TERLIZZI	REVISIONS	
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

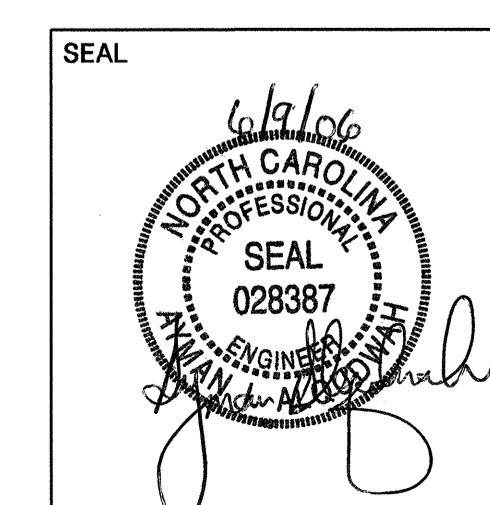


NOTES:

1. IF THE CONTRACTOR BIDS ALUMIMUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
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**I-85 SB
OVERHEAD SIGN ASSEMBLY "E"
@ STA. 27+80 (-Y6-)**

* 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.

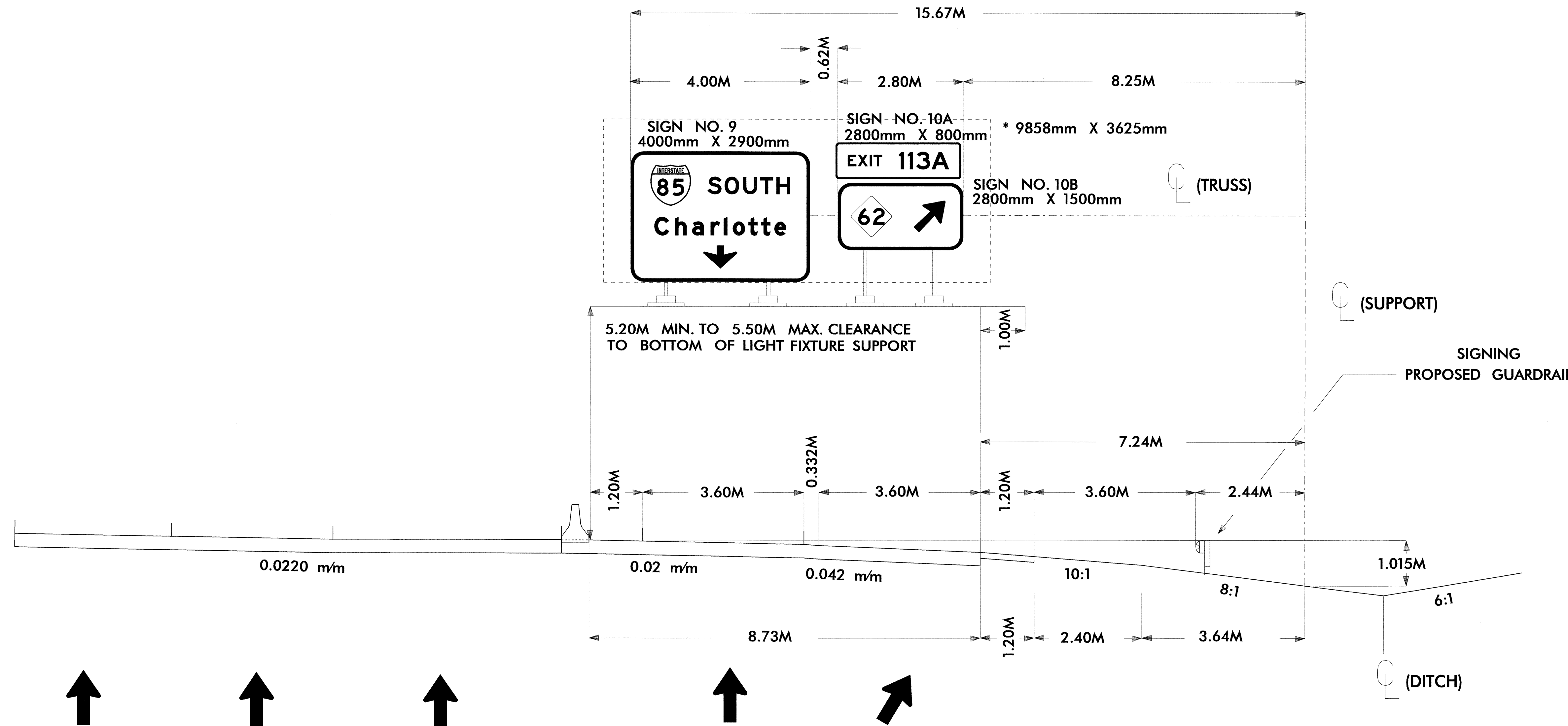


I-85 SB OVERHEAD SIGN ASSEMBLY "E" @ STA. 27+80 (-Y6-)		N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
SCALE	1:1000		
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLUZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



TIP NO.
R-06091A

SHEET NO.
SIGN-11

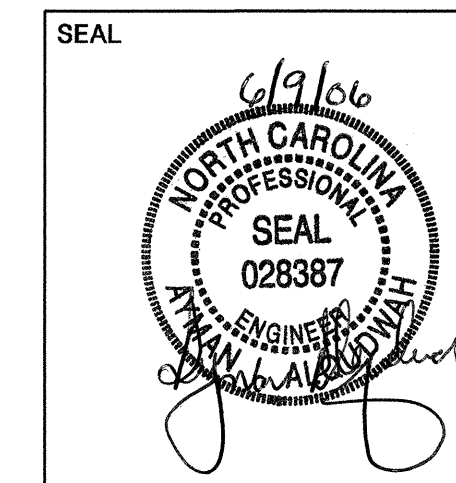


**I-85 SB
OVERHEAD SIGN ASSEMBLY "F"
@ STA. 36+20 (-Y6-)**

NOTES:

1. IF THE CONTRACTOR BIDS ALUMIMUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
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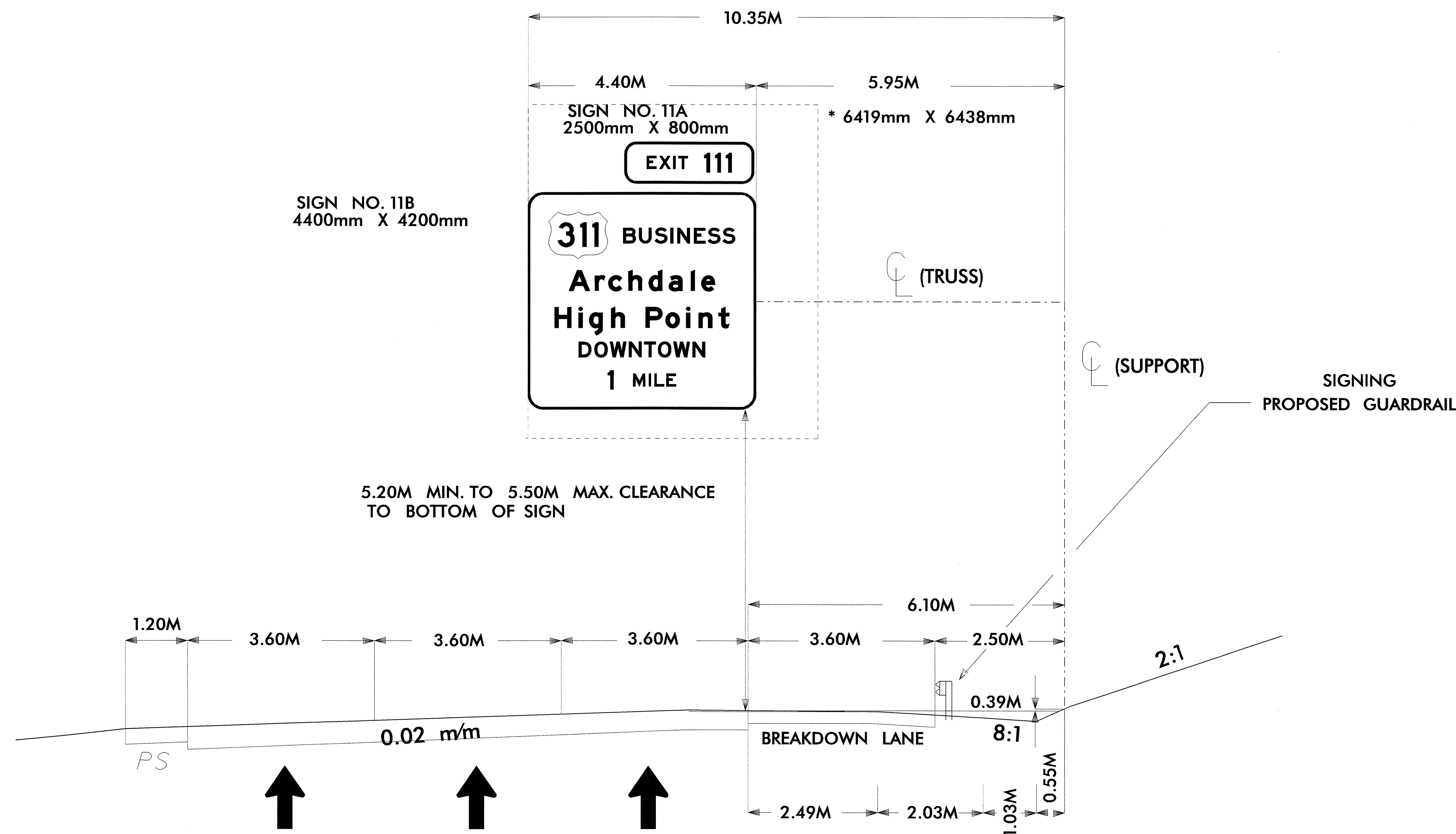
**I-85 SB
OVERHEAD SIGN ASSEMBLY "F"
@ STA. 36+20 (-Y6-)**

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



TIP NO.
R-06091A

SHEET NO.
SIGN-12

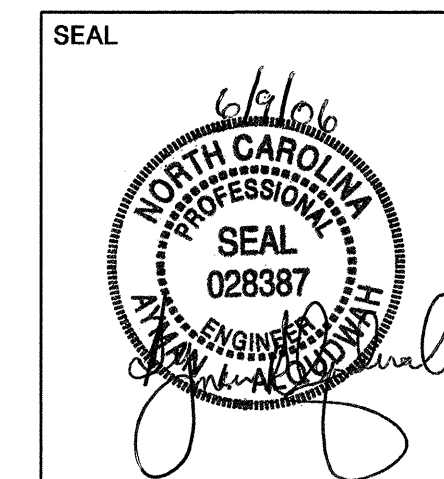


NOTES:

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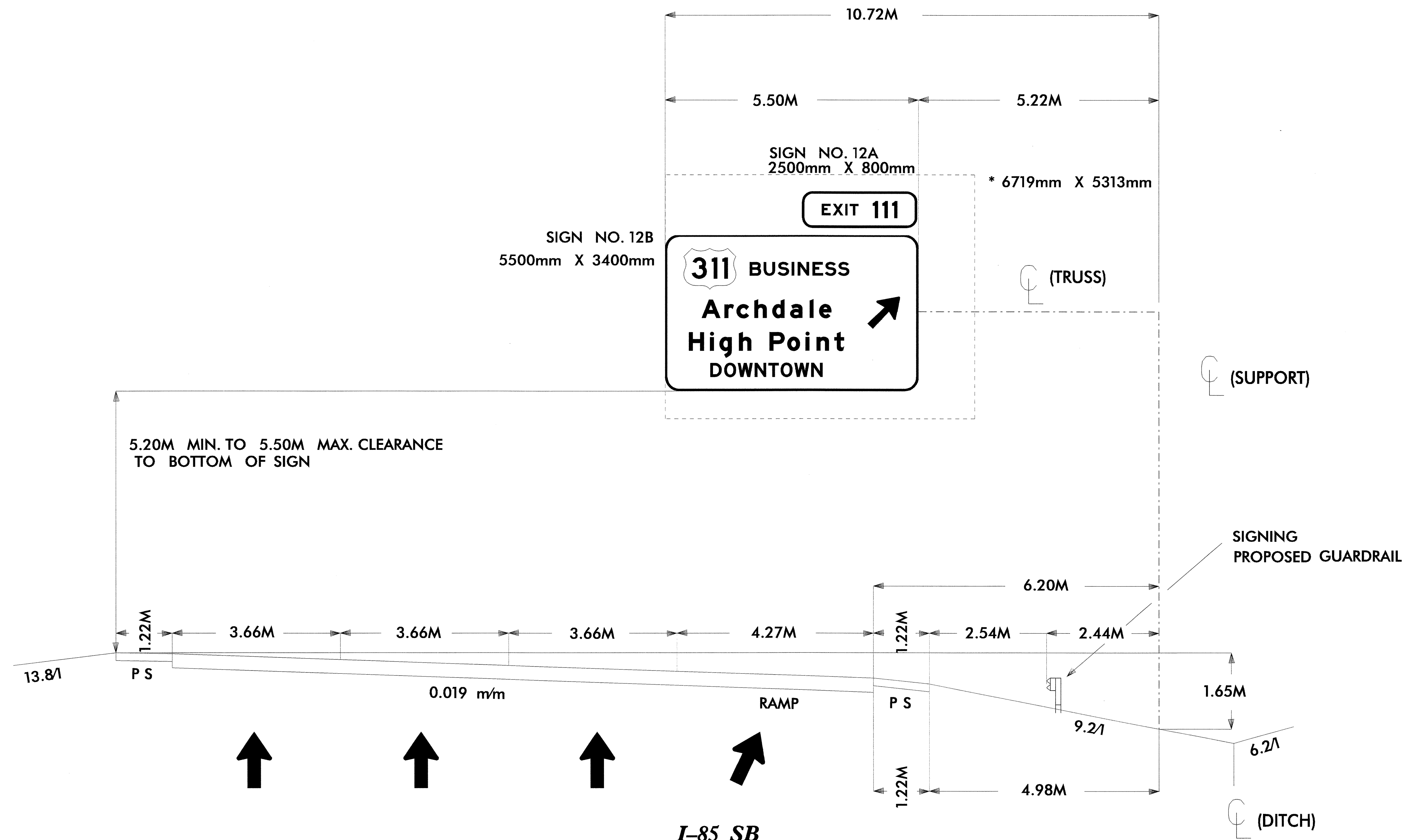
**I-85 SB
OVERHEAD SIGN ASSEMBLY "G"
@ STA. 50+20 (-Y6-)**

* 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-85 SB
OVERHEAD SIGN ASSEMBLY "G"
@ STA. 50+20 (-Y6-)**

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

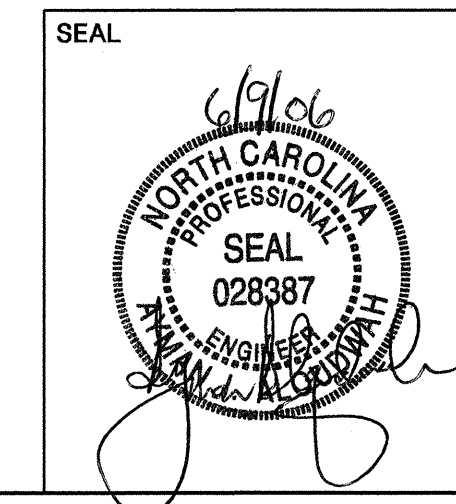


**I-85 SB
OVERHEAD SIGN ASSEMBLY "H"
@ STA. 66 + 20**

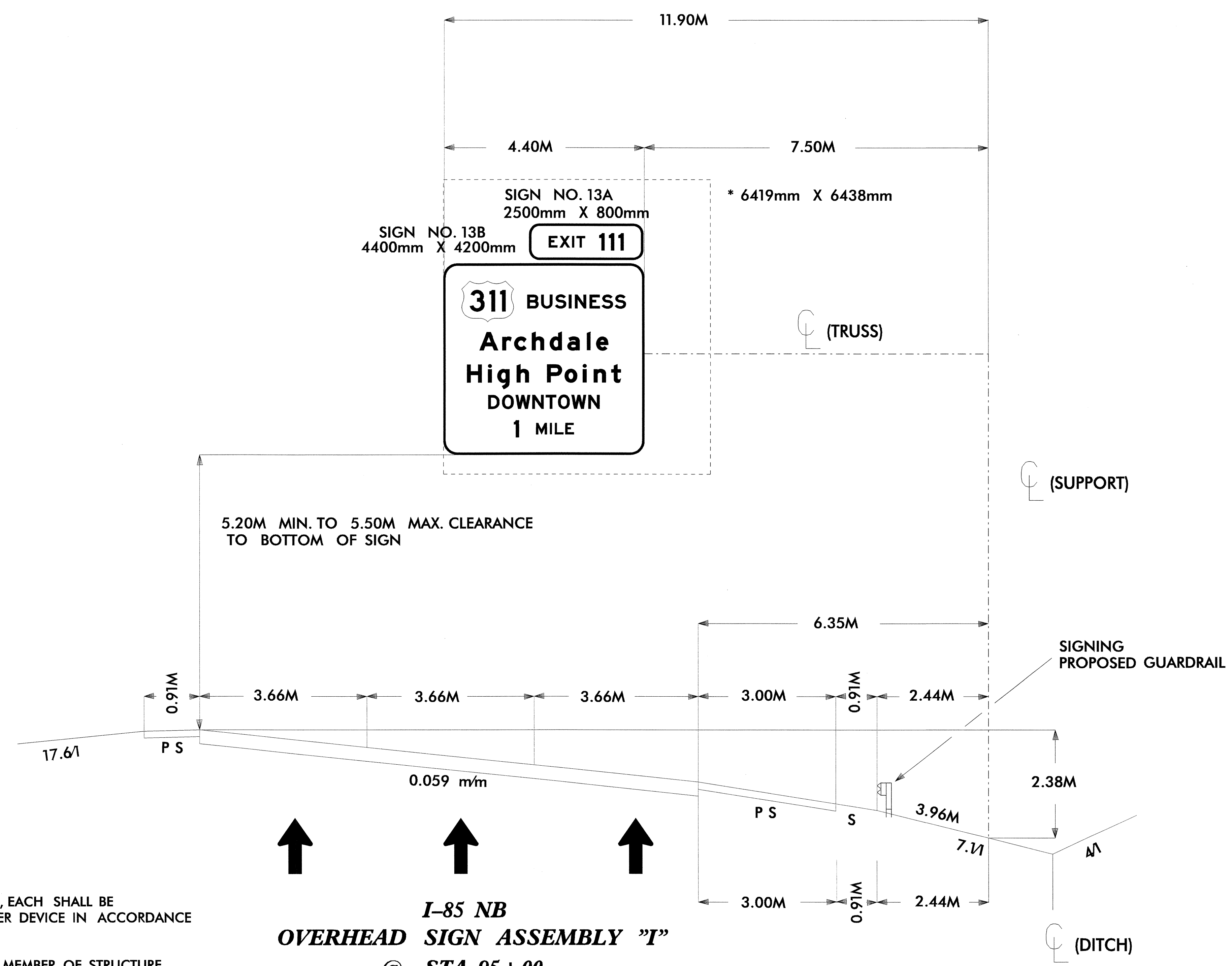
NOTES:

1. IF THE CONTRACTOR BIDS ALUMIMUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
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I-85 SB OVERHEAD SIGN ASSEMBLY "H" @ STA. 66 + 20		N. C. DEPARTMENT OF TRANSPORTATION	
SCALE	1:1000	DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH	REVISIONS	

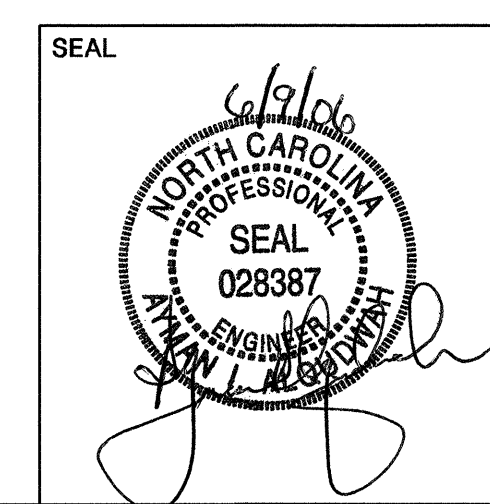


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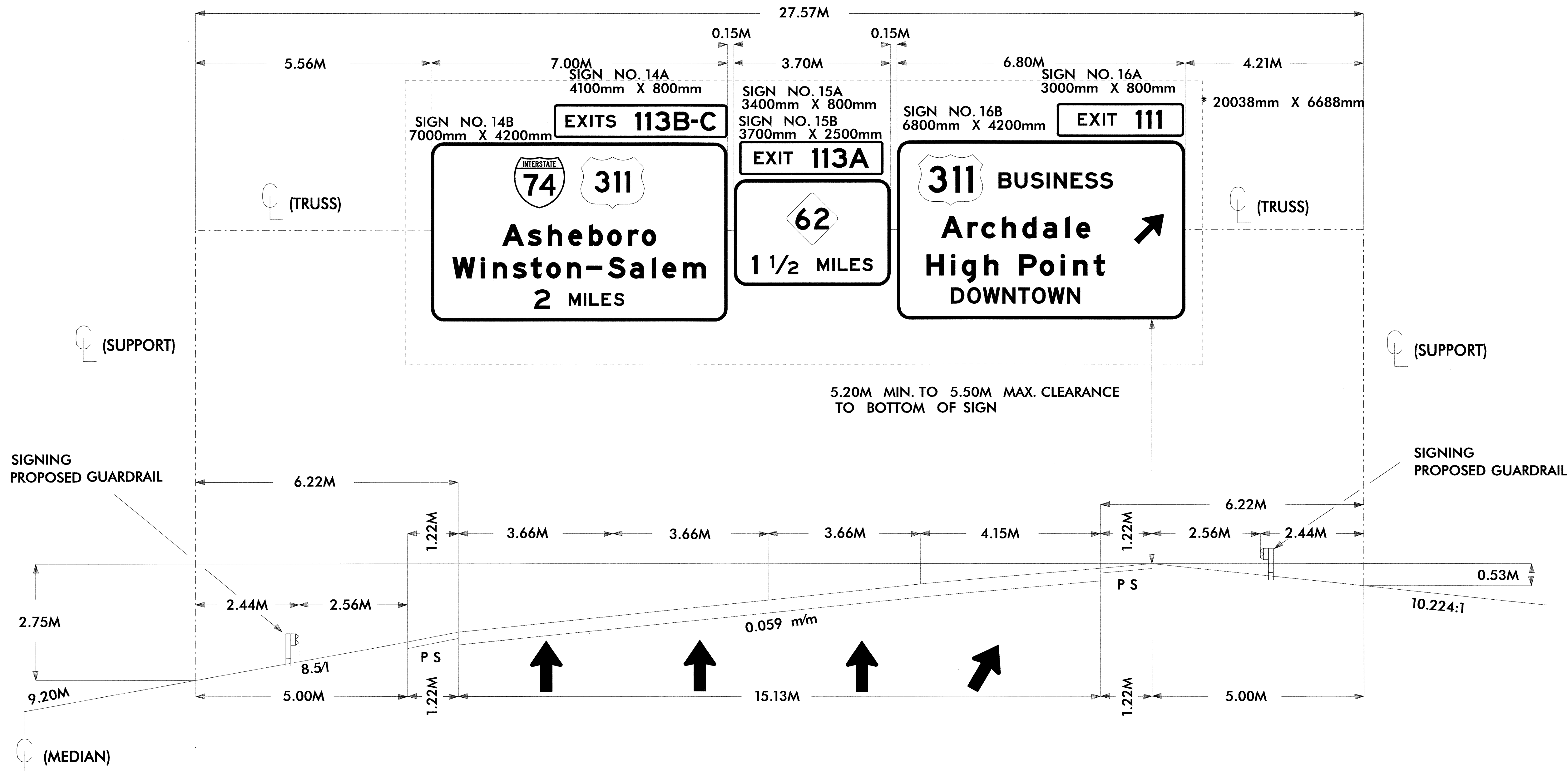
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5. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THE PLANS, INCLUDING THOSE DESIGNATED AS "FUTURE".

**I-85 NB
OVERHEAD SIGN ASSEMBLY "I"
@ STA. 95+00**

* 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-85 NB OVERHEAD SIGN ASSEMBLY "I" @ STA. 95+00		N. C. DEPARTMENT OF TRANSPORTATION	
SCALE	1:1000	DIVISION OF HIGHWAYS	
DATE	FEB 2006	TRAFFIC ENGINEERING BRANCH	
SIGNING DESIGN ENG	G. TERLIZZI	REVISIONS	
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

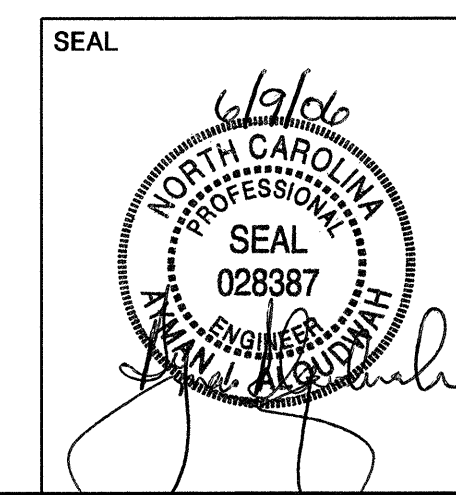


**I-85 NB
OVERHEAD SIGN ASSEMBLY "J"
@ STA. 79+20**

NOTES:

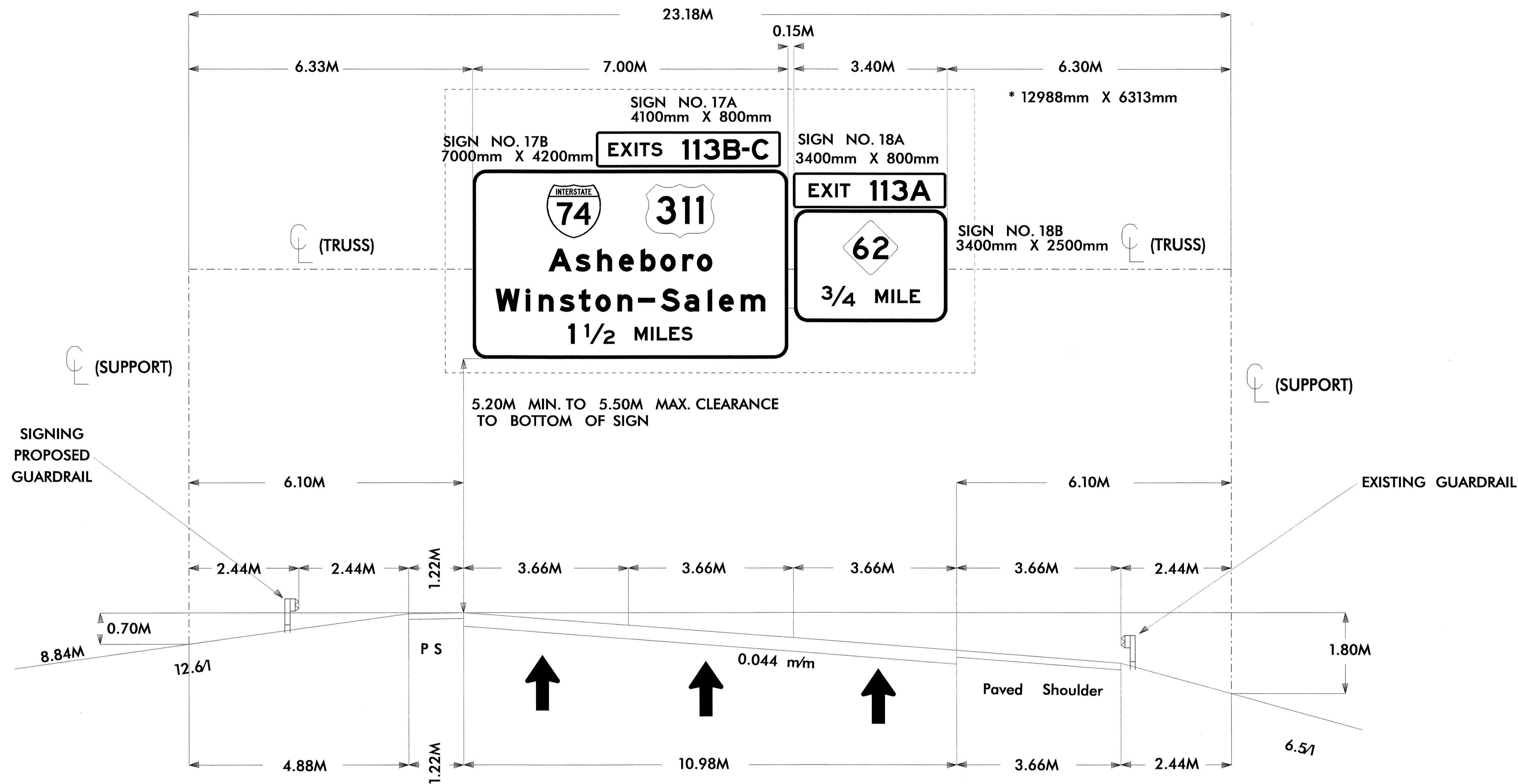
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**I-85 NB
OVERHEAD SIGN ASSEMBLY "J"
@ STA. 79+20**

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

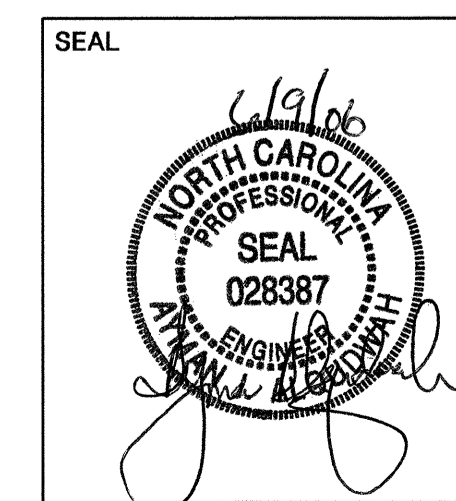


NOTES:

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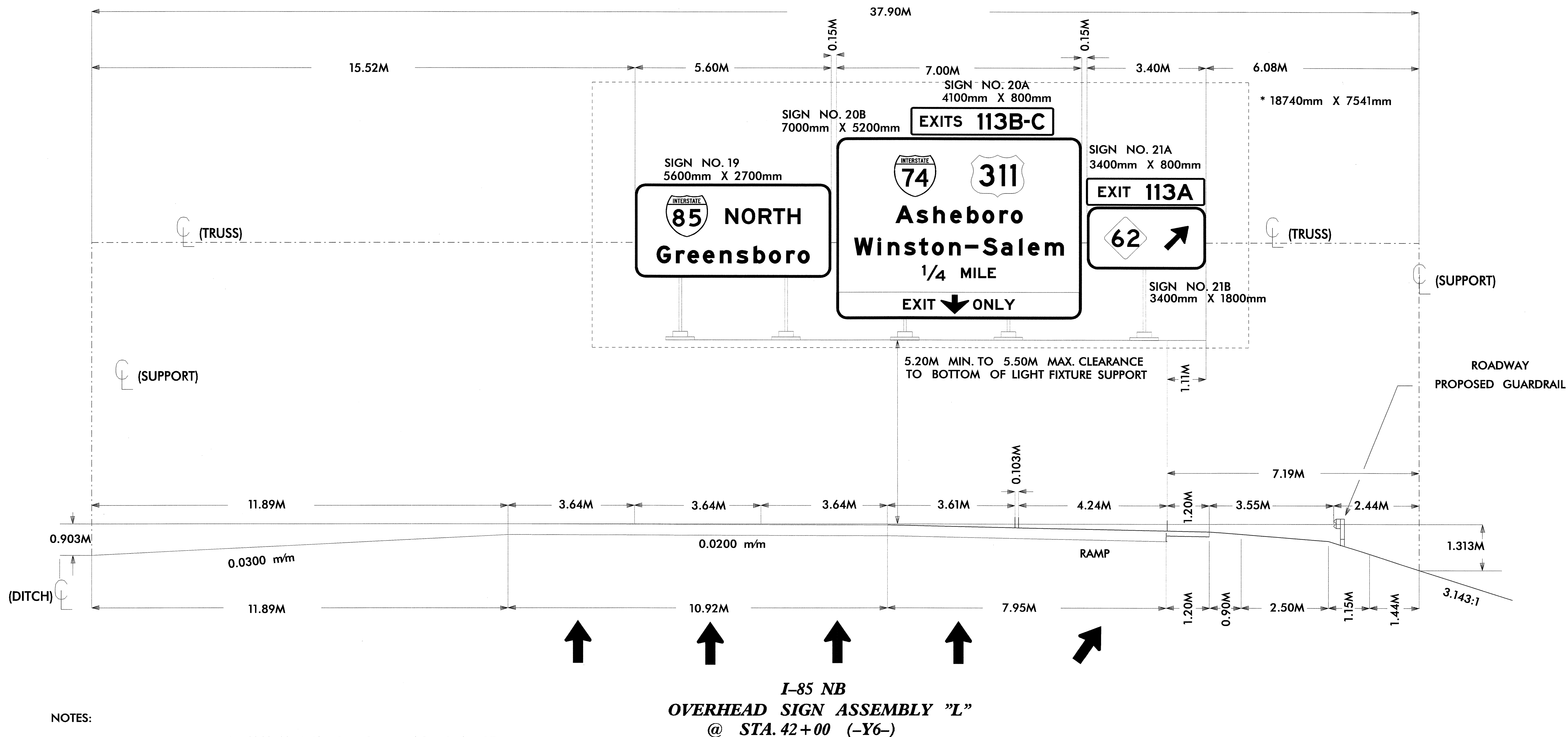
**I-85 NB
OVERHEAD SIGN ASSEMBLY "K"
@ STA. 55+00
(10M FROM EXISTING GROUND MOUNTED SIGN)**

* 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-85 NB
OVERHEAD SIGN ASSEMBLY "K"
@ STA. 55+00**

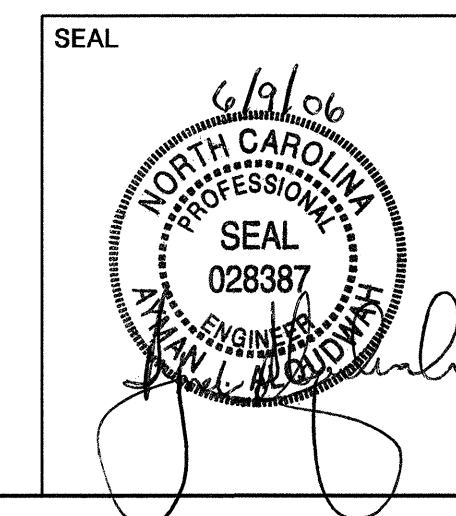
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



NOTES:

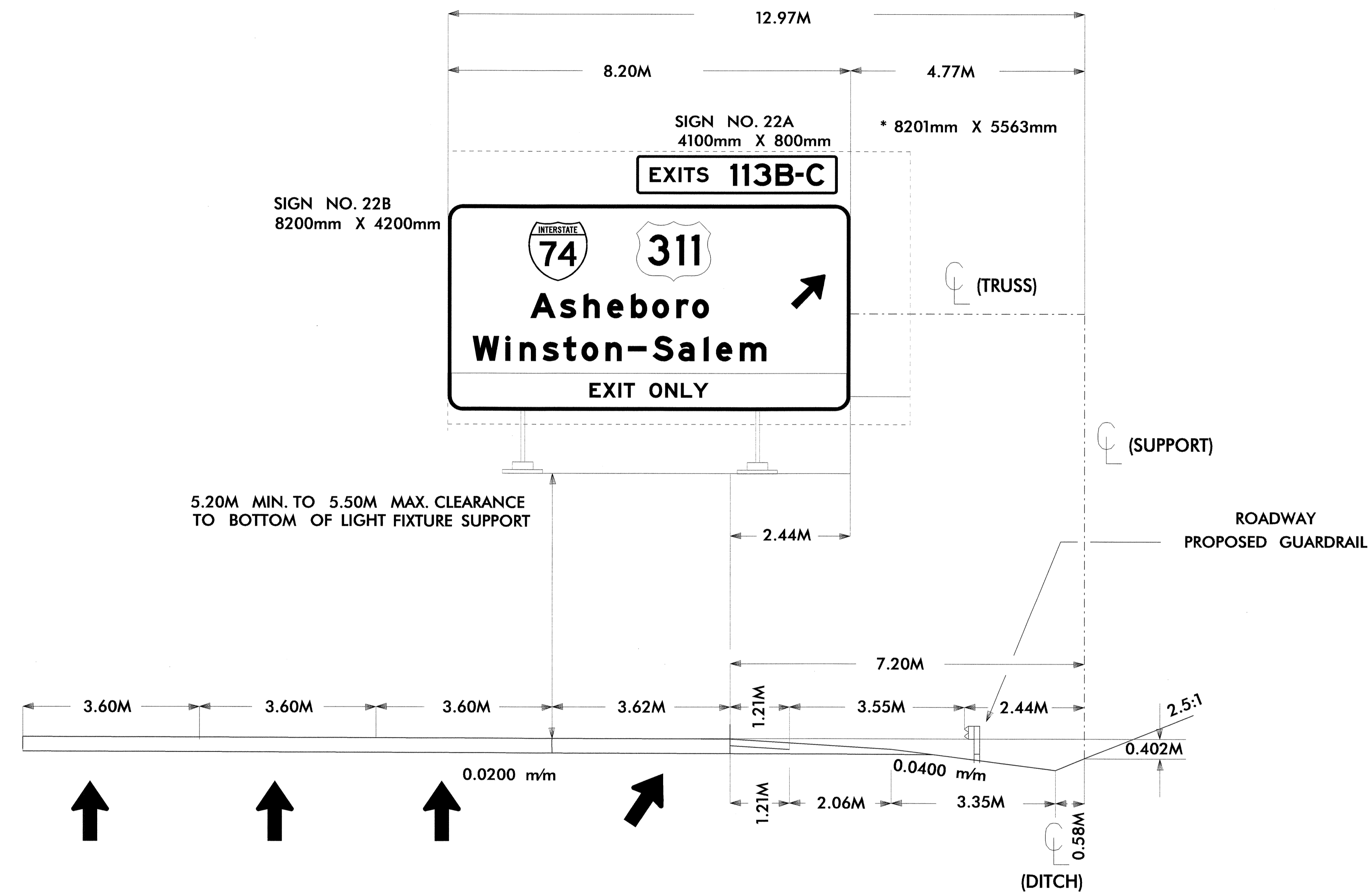
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4. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 152mm AND NOT MORE THAN 610mm ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
5. SIGN HANGERS, LUMINAIRE RETRIEVAL SYSTEM AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY 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-85 NB
OVERHEAD SIGN ASSEMBLY "L"
@ STA. 42+00 (-Y6-)**

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



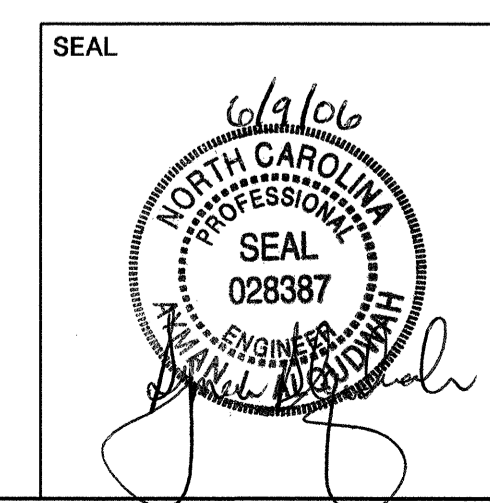
5.20M MIN. TO 5.50M MAX. CLEARANCE TO BOTTOM OF LIGHT FIXTURE SUPPORT

**I-85 NB
OVERHEAD SIGN ASSEMBLY "M"
@ STA. 39+20 (-Y6-)**

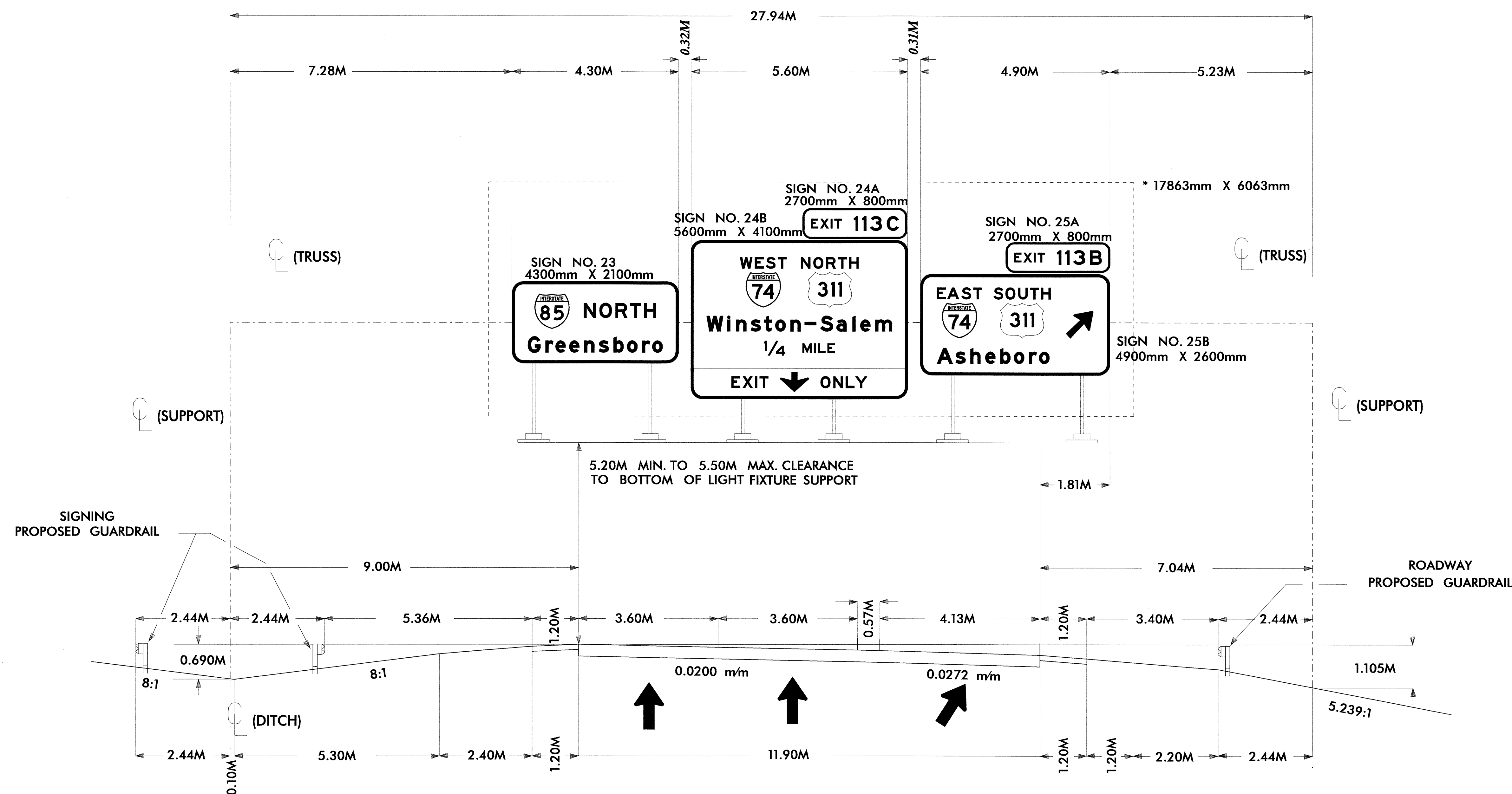
* THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 145 KPH.

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".



I-85 NB OVERHEAD SIGN ASSEMBLY "M" @ STA. 39+20 (-Y6-)		N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	
SCALE	1:1000	REVISIONS	
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

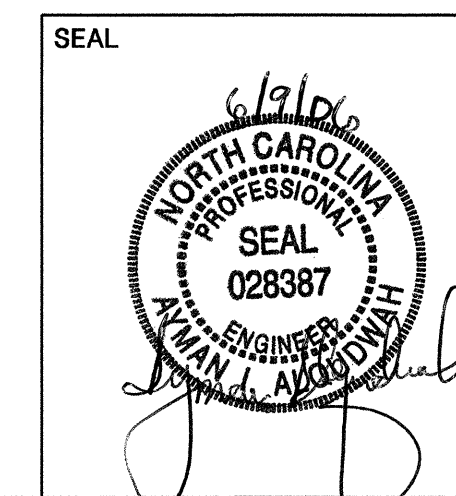


NOTES:

- IF THE CONTRACTOR BIDS ALUMIMUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
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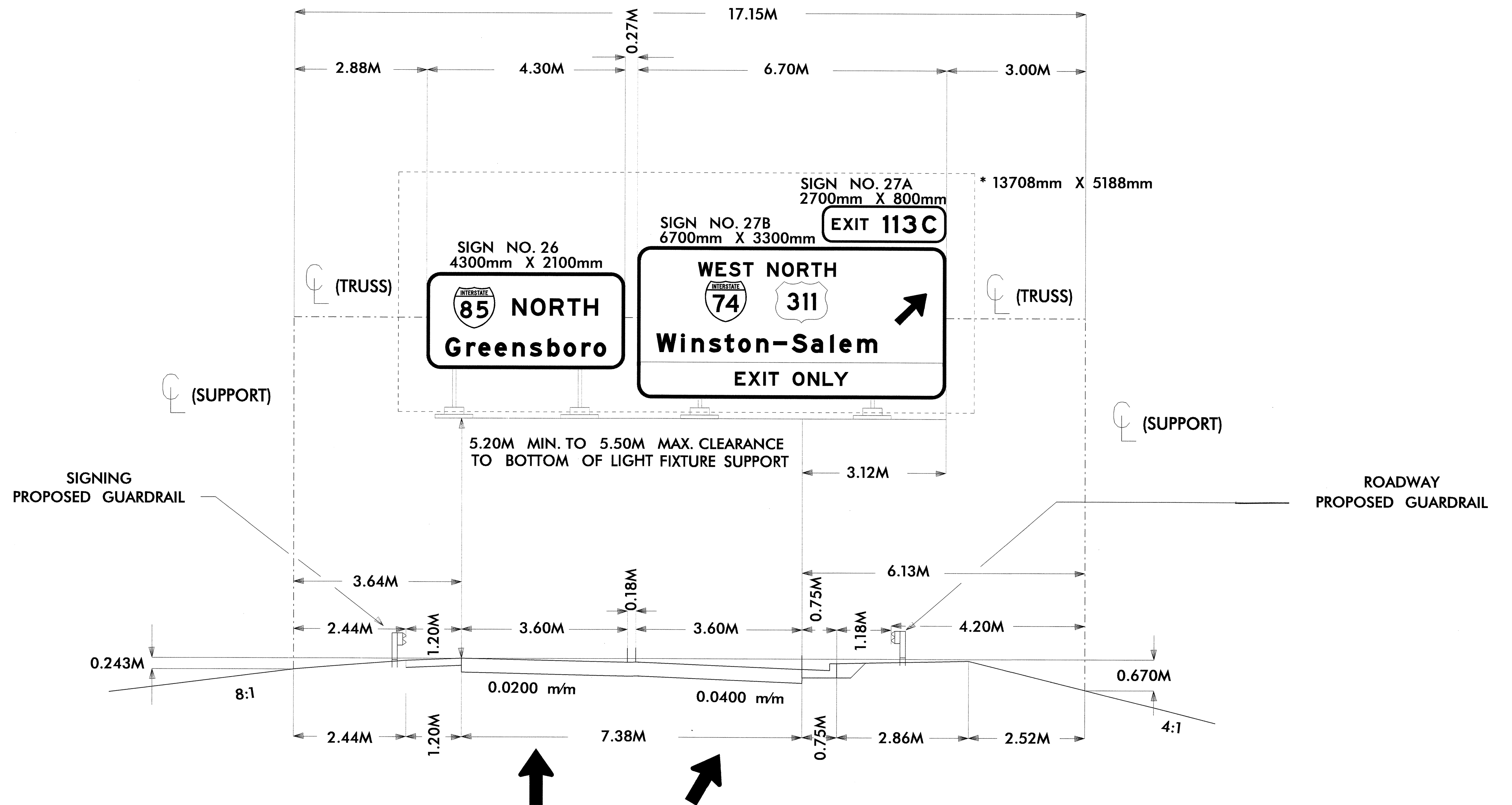
**I-85 NB
OVERHEAD SIGN ASSEMBLY "N"
@ STA. 31+00 (-Y6-)**

* 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-85 NB
OVERHEAD SIGN ASSEMBLY "N"
@ STA. 31+00 (-Y6-)**

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

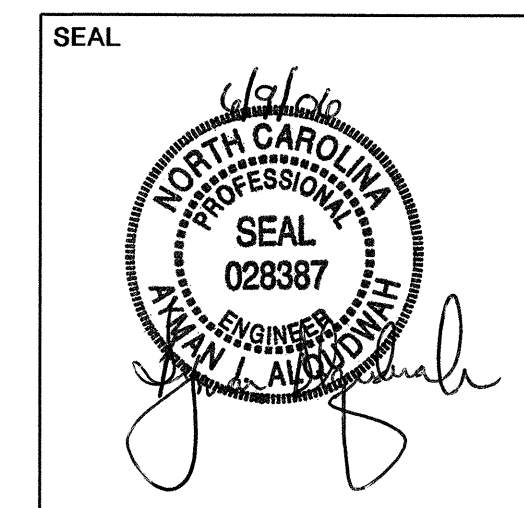


**I-85 NB
OVERHEAD SIGN ASSEMBLY "O"
@ STA. 26+50 (-Y6-)**

NOTES:

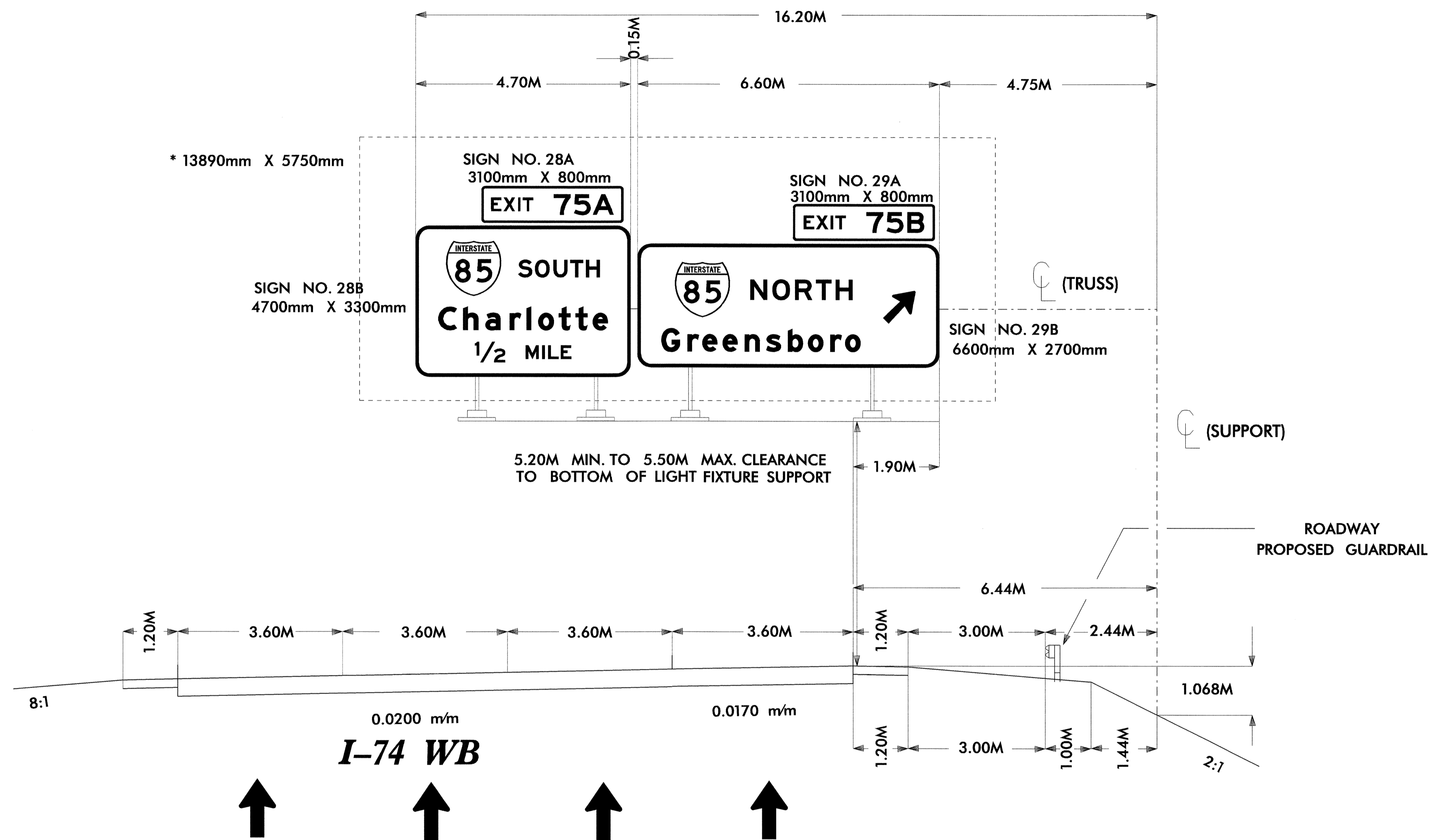
1. IF THE CONTRACTOR BIDS ALUMIMUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
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**I-85 NB
OVERHEAD SIGN ASSEMBLY "O"
@ STA. 26+50 (-Y6-)**

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

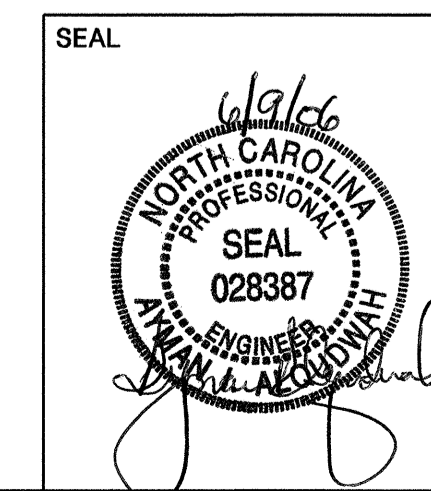


**I-74 WB /US 311 NB
OVERHEAD SIGN ASSEMBLY "P"
@ STA. 58+40 (-L-)**

NOTES:

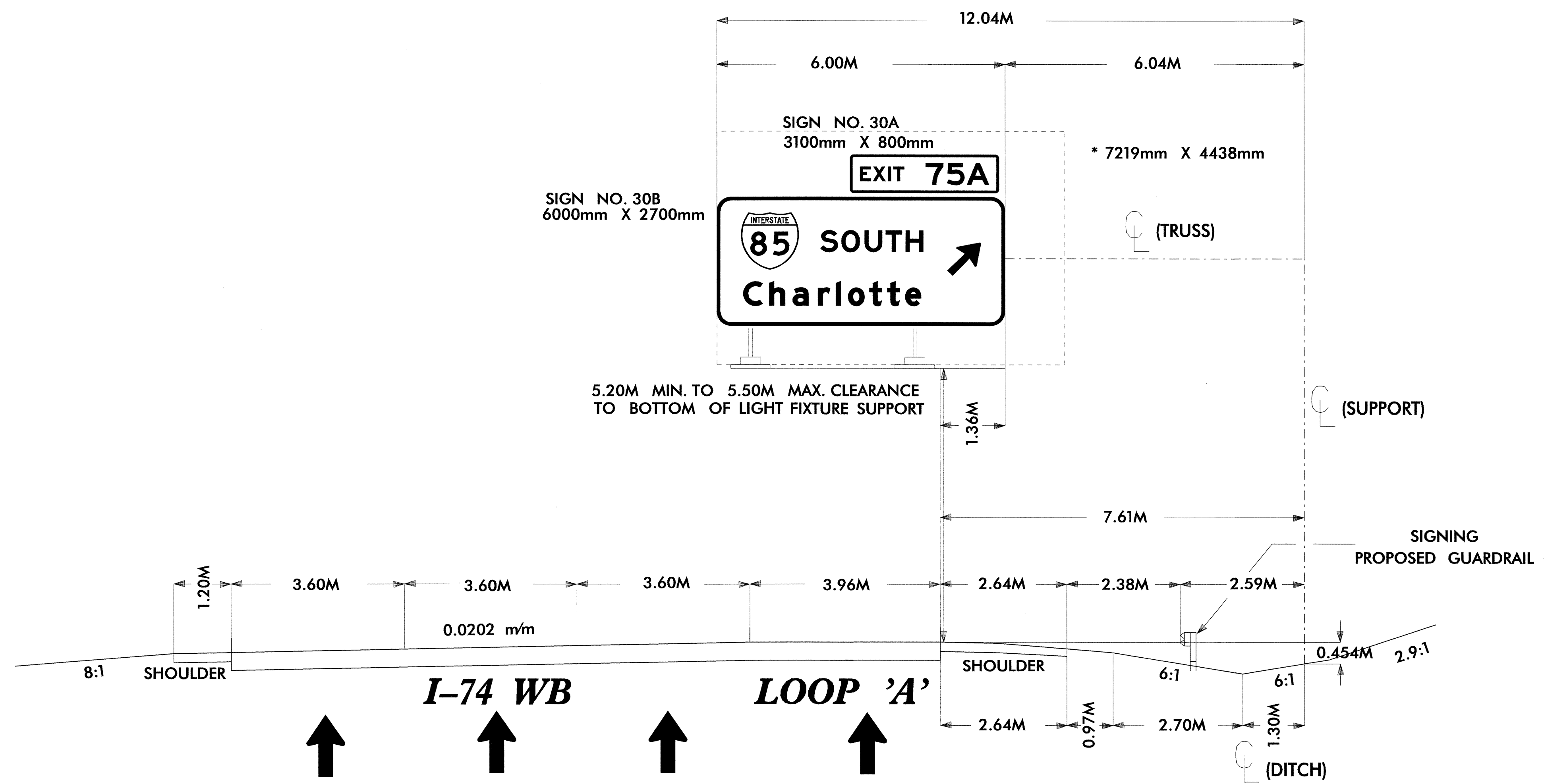
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**I-74 WB /US 311 NB
OVERHEAD SIGN ASSEMBLY "P"
@ STA. 58+40 (-L-)**

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

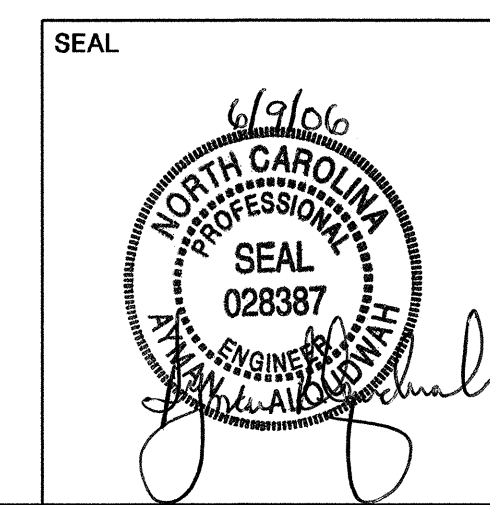


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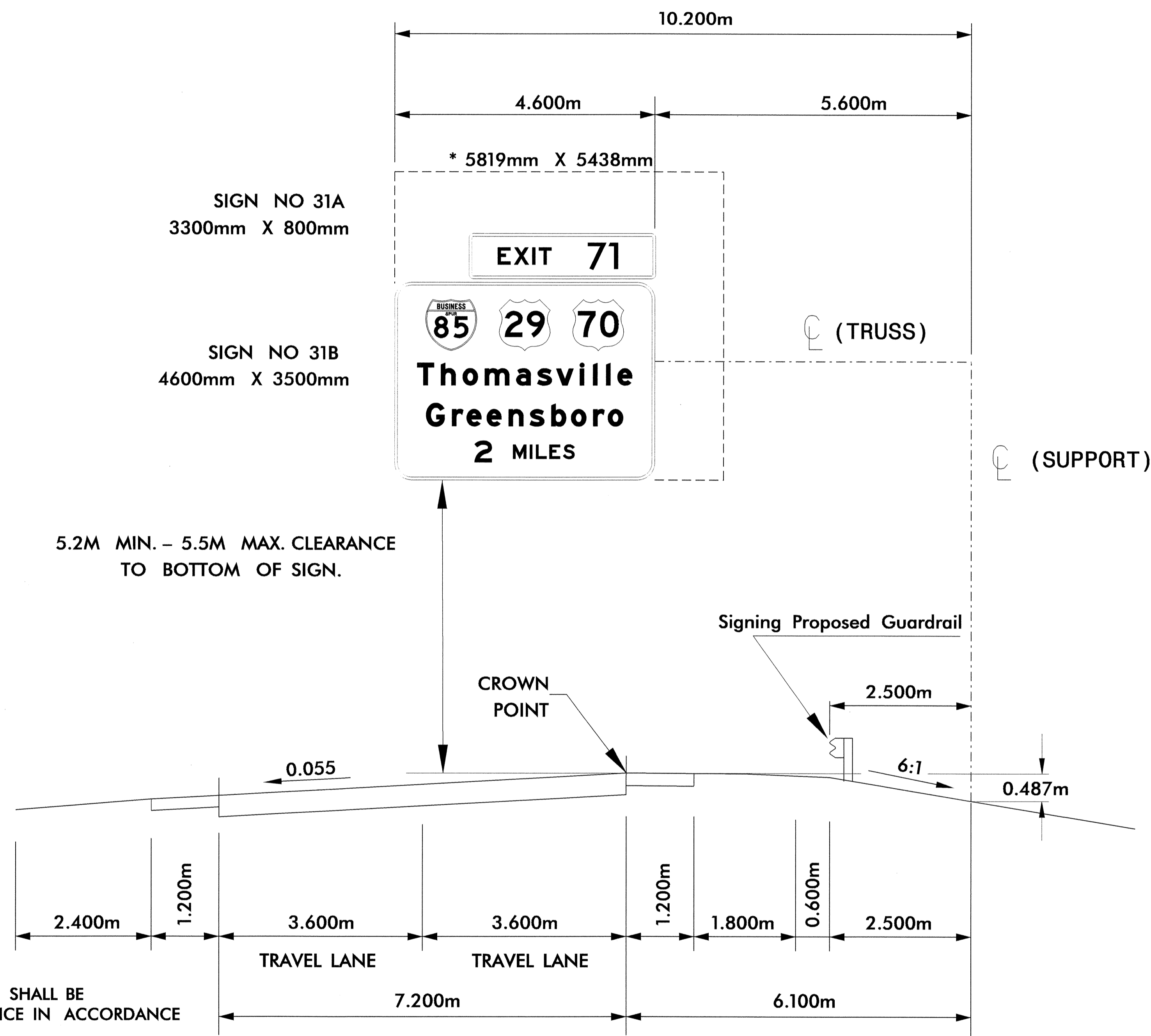
1. IF THE CONTRACTOR BIDS ALUMIMUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
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**I-74 WB /US 311 NB
OVERHEAD SIGN ASSEMBLY 'Q'
@ STA. 53+10 (-L-)**

* 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 OVERHEAD SIGN ASSEMBLY 'Q' @ STA. 53+10 (-L-)			
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

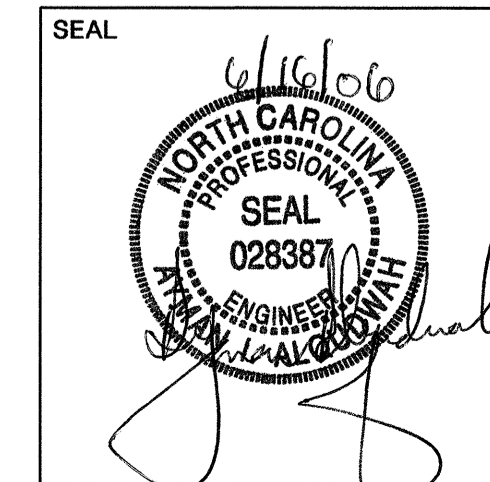


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**I-74 WB /US 311 NB
OVERHEAD SIGN ASSEMBLY "R"
@ STA. 41+80 (-L-)**



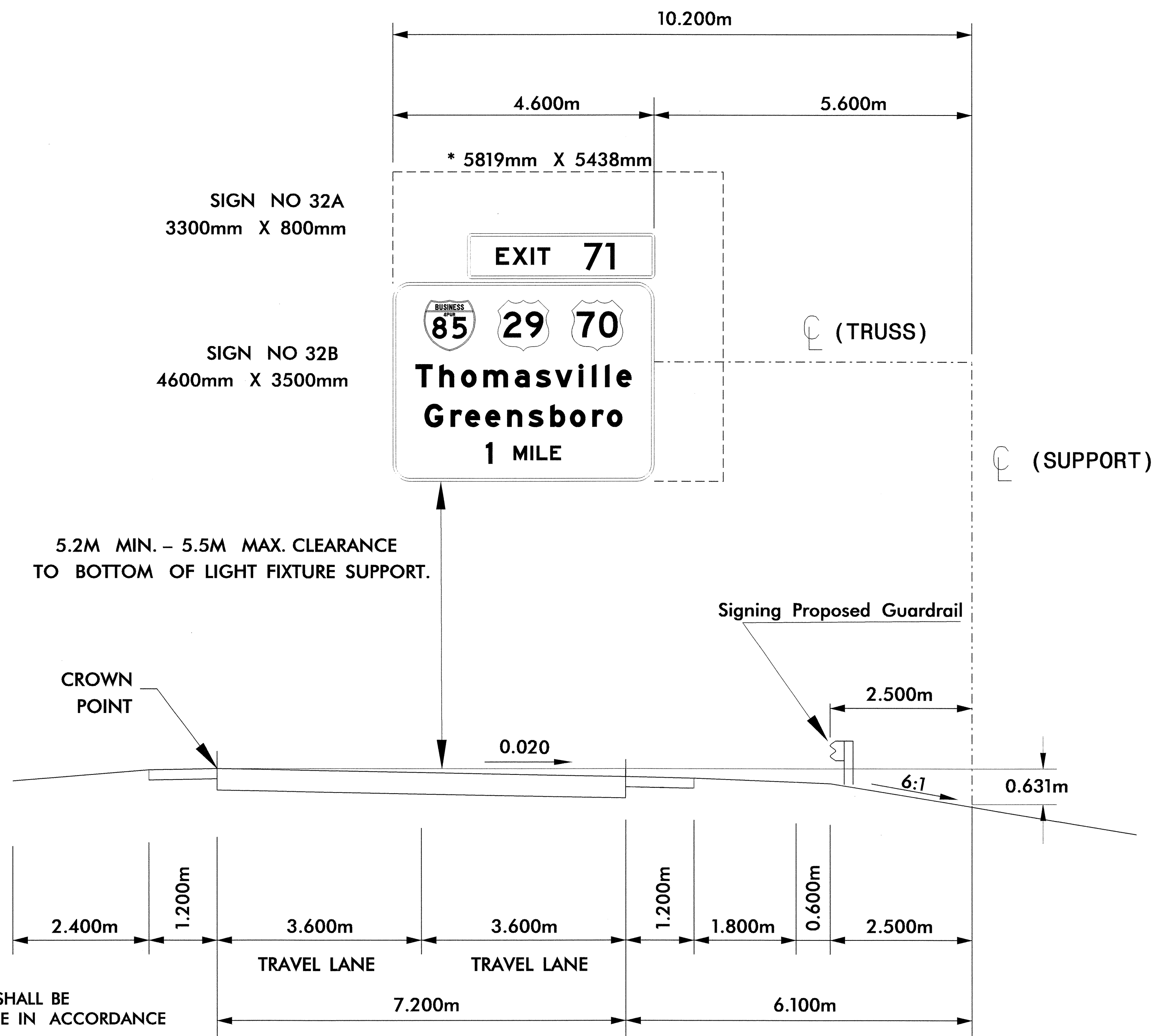
**I-74 WB /US 311 NB
OVERHEAD SIGN ASSEMBLY "R"
@ STA. 41+80 (-L-)**

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



TIP NO.
R-06091B

SHEET NO.
SIGN-24

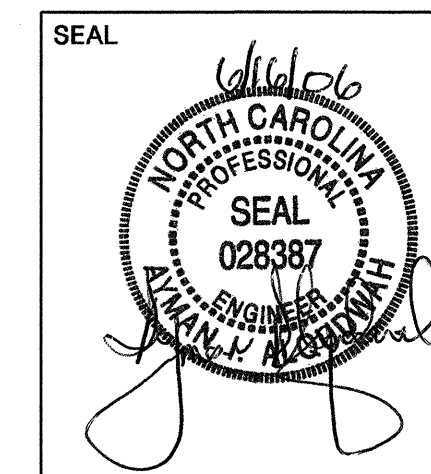


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NOTES:

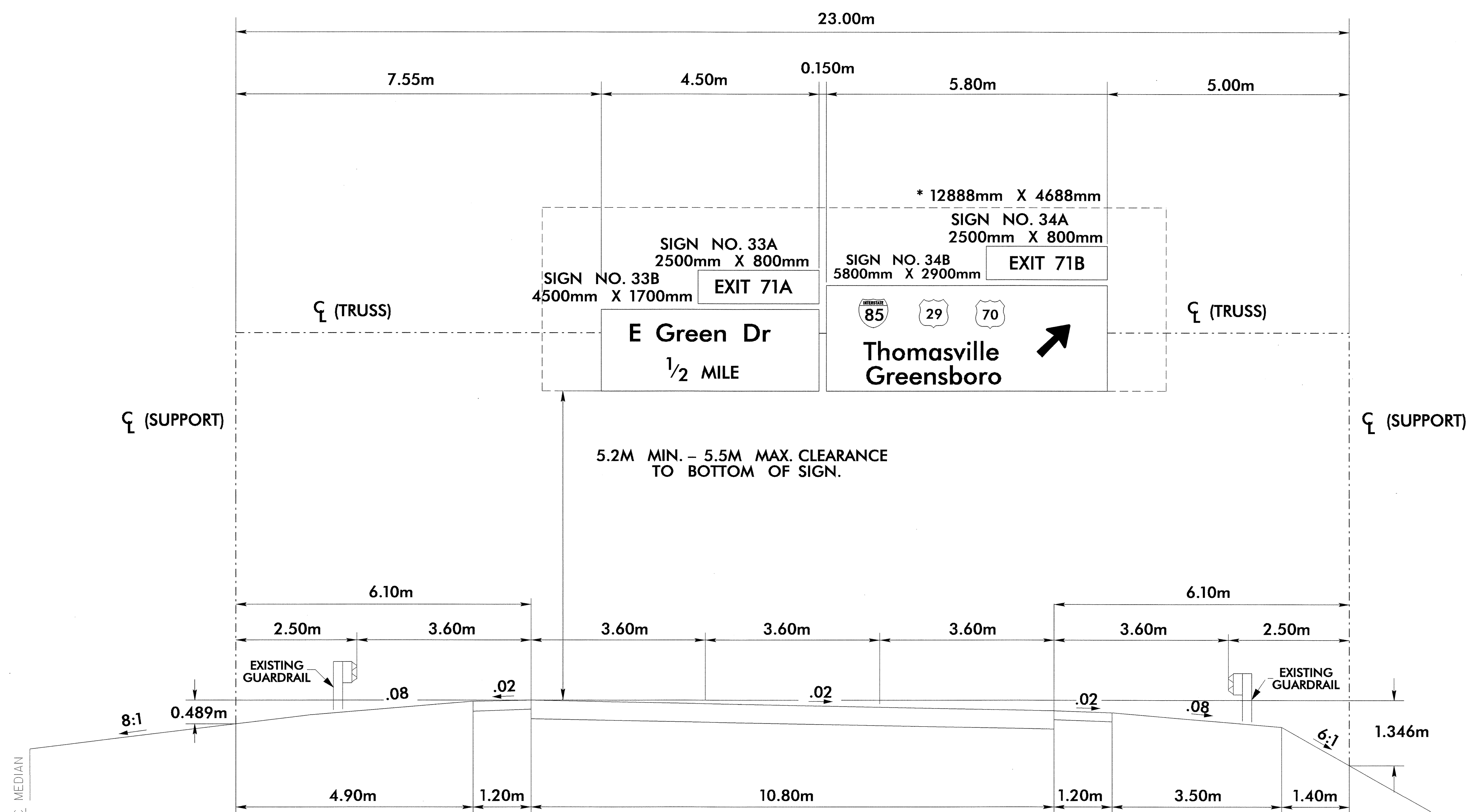
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**I-74 WB /US 311 NB
OVERHEAD SIGN ASSEMBLY "S"
@ STA. 26+00 (-L-)**



**I-74 WB /US 311 NB
OVERHEAD SIGN ASSEMBLY "S"
@ STA. 26+00 (-L-)**

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

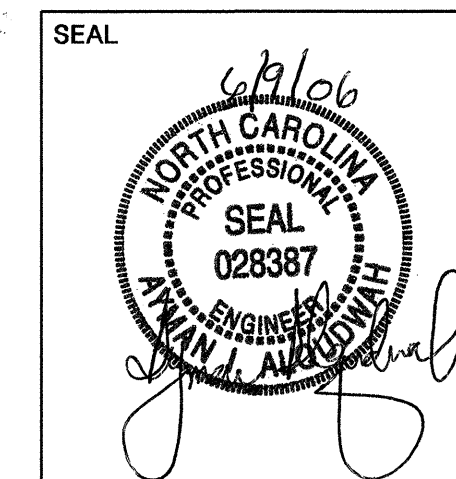


NOTES:

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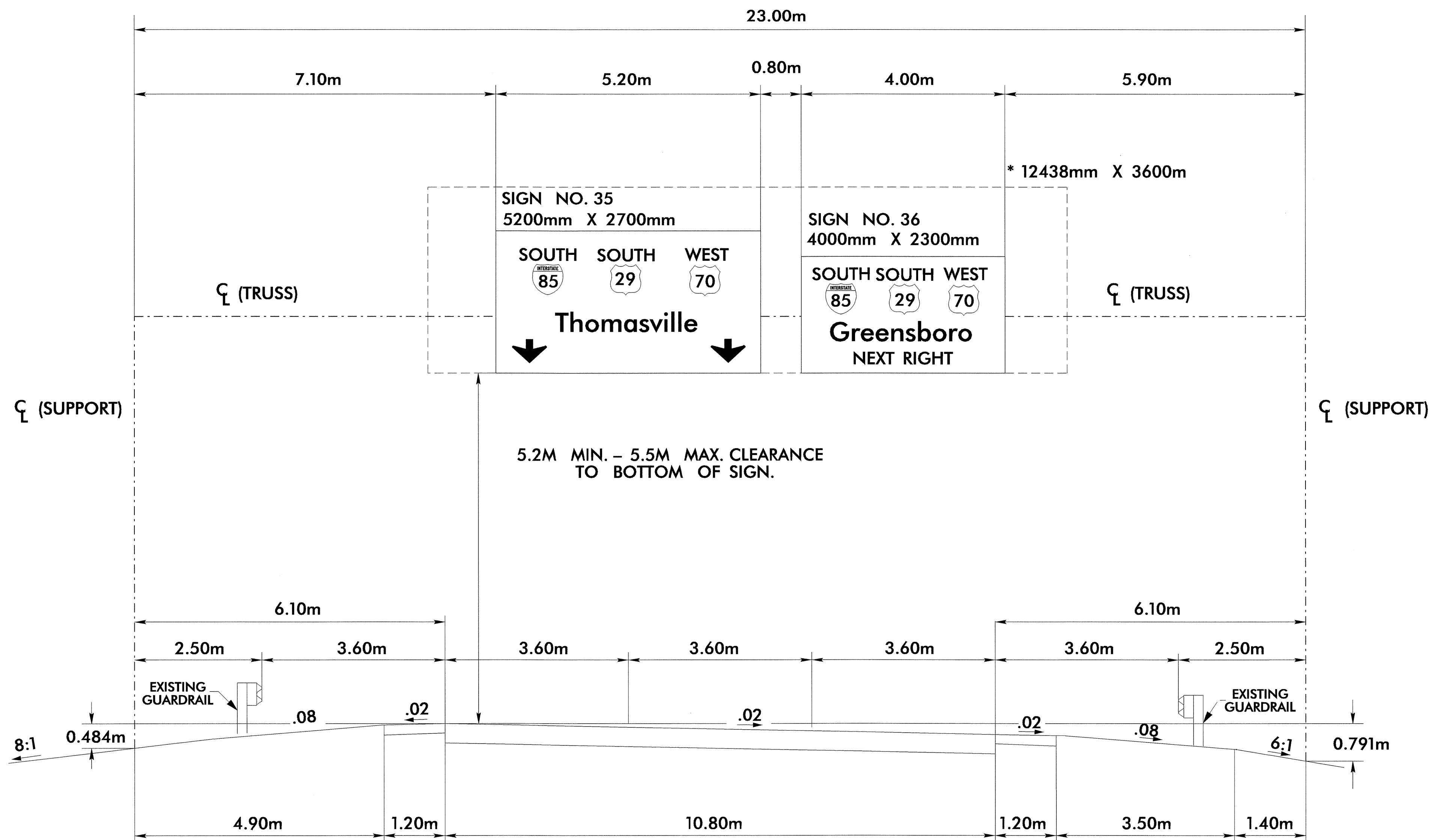
**I-74 WB /US 311 NB
OVERHEAD SIGN ASSEMBLY "T"
@ STA. 3+54 RAMP B**

* 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
OVERHEAD SIGN ASSEMBLY "T"
@ STA. 3+54 RAMP B**

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

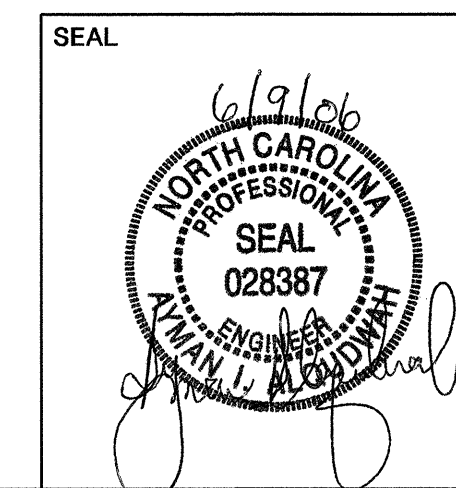


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**I-74 WB /US 311 NB
OVERHEAD SIGN ASSEMBLY "U"
@ STA. 8+43 (-L-)**

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**I-74 WB /US 311 NB
OVERHEAD SIGN ASSEMBLY "U"
@ STA. 8+43 (-L-)**

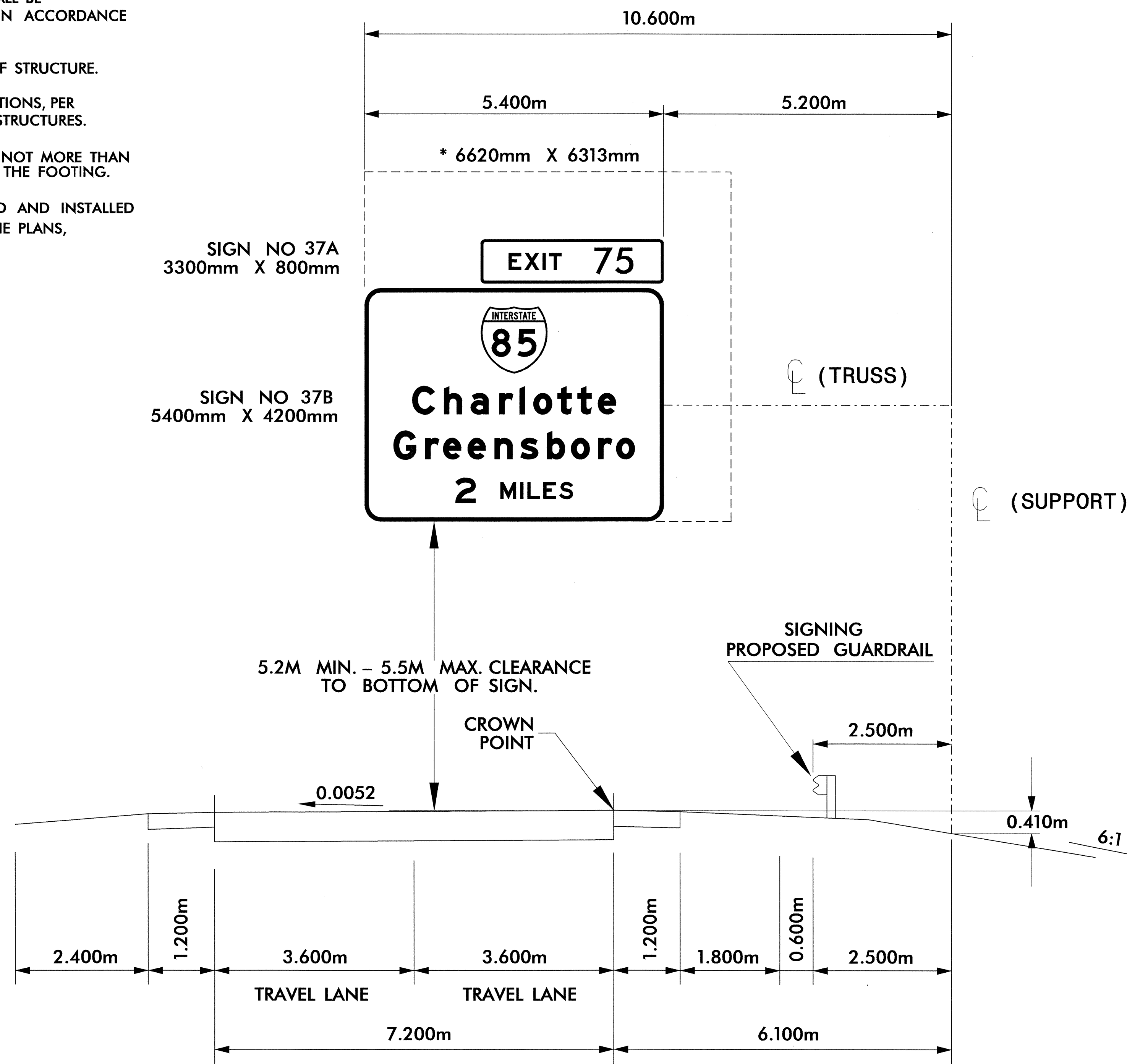
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



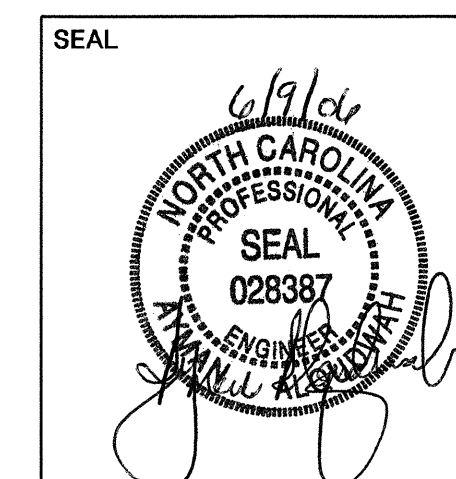
NOTES:

1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
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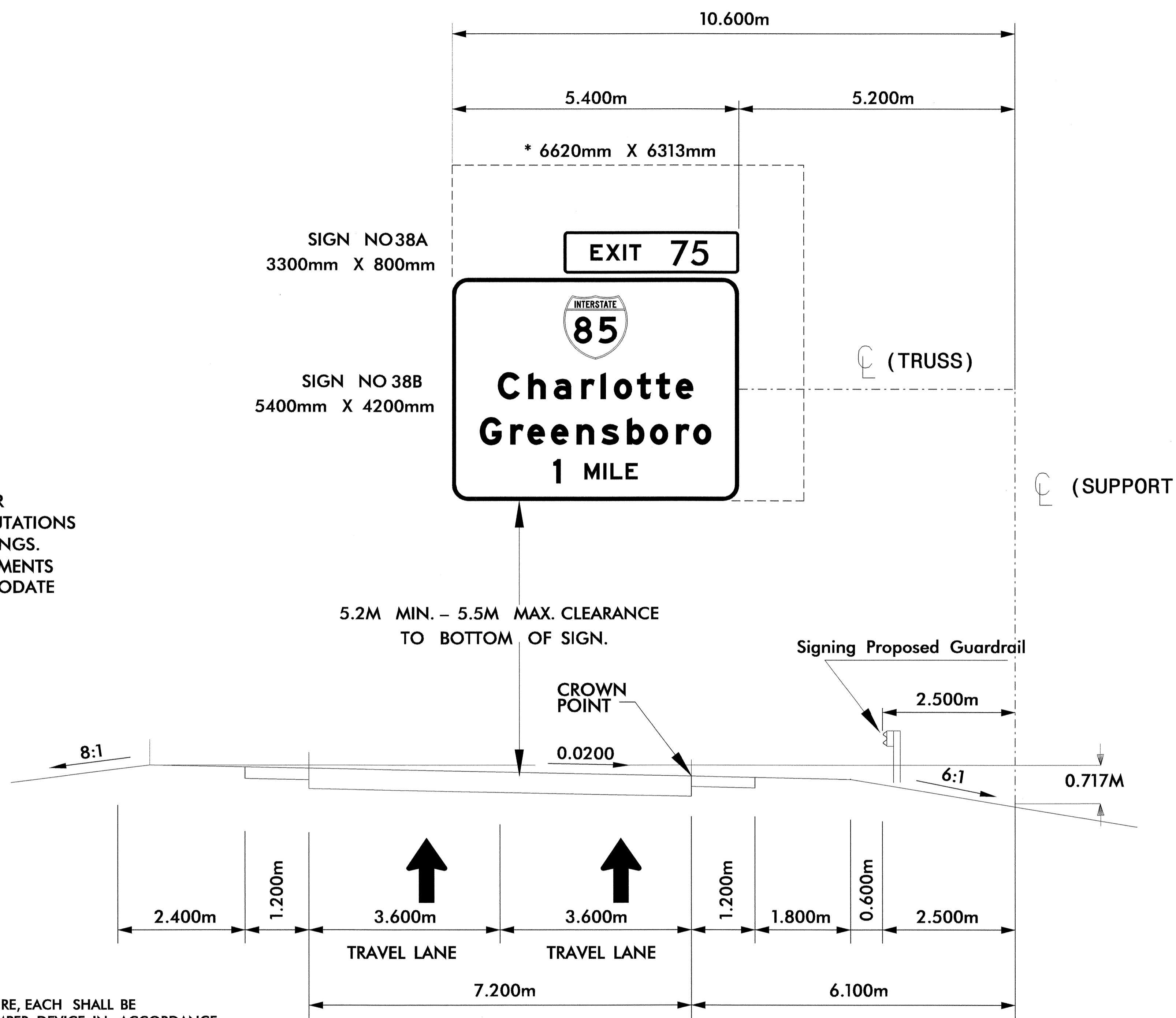


I-74 EB /US 311 SB
OVERHEAD SIGN ASSEMBLY "V"
@ STA. 11+00 (-L-)



I-74 EB /US 311 SB
OVERHEAD SIGN ASSEMBLY "V"
@ STA. 11+00 (-L-)

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

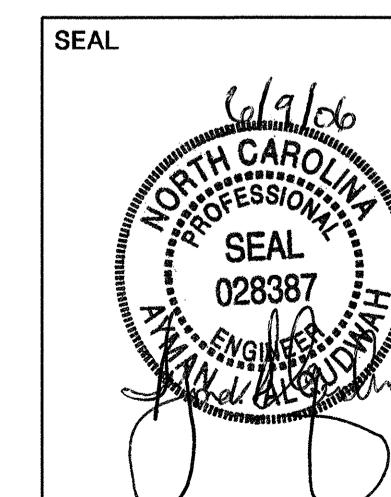


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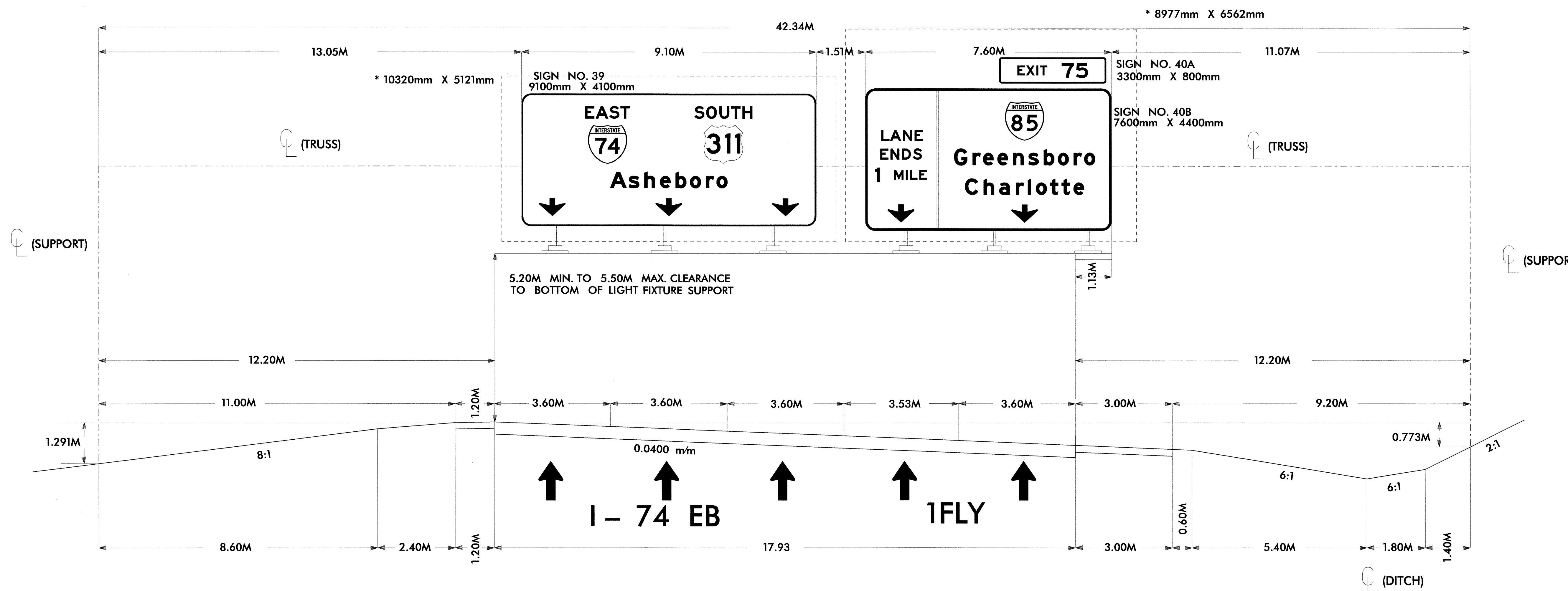
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I-74 EB /US 311 SB
OVERHEAD SIGN ASSEMBLY "W"
@ STA. 27+00 (-L-)



I-74 EB /US 311 SB
OVERHEAD SIGN ASSEMBLY "W"
@ STA. 27+00 (-L-)

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

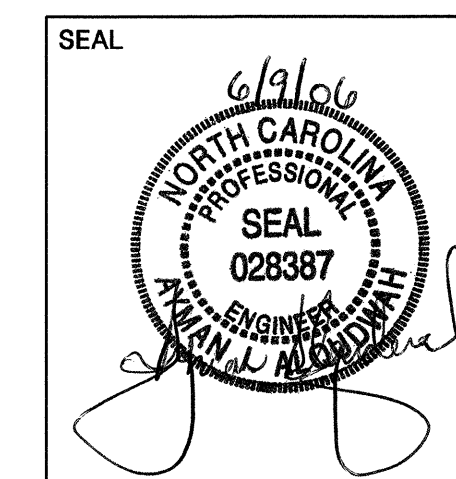


**I-74 EB /US 311 SB
OVERHEAD SIGN ASSEMBLY 'X'
@ STA. 43+00 (-L-)**

NOTES:

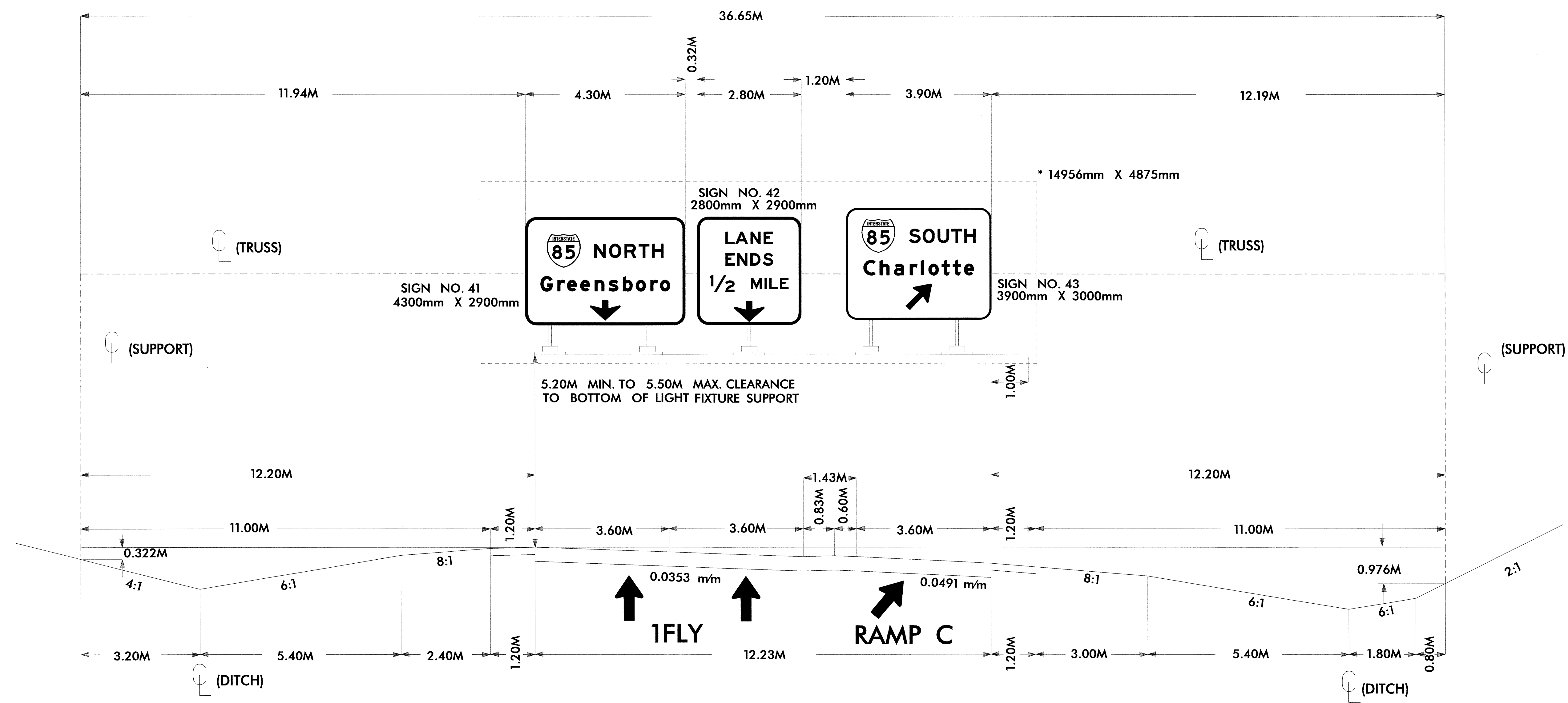
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**I-74 EB /US 311 SB
OVERHEAD SIGN ASSEMBLY 'X'
@ STA. 43+00 (-L-)**

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

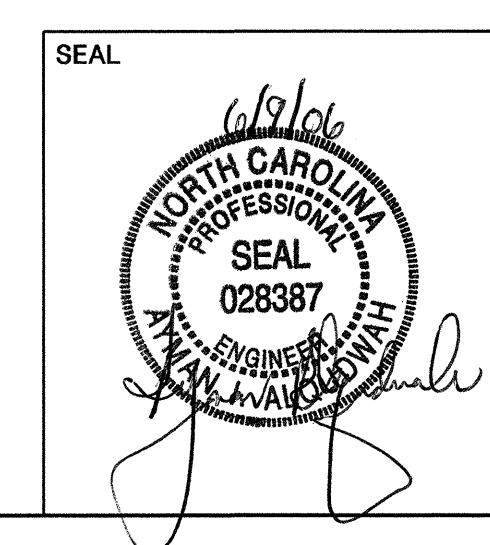


NOTES:

- 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".

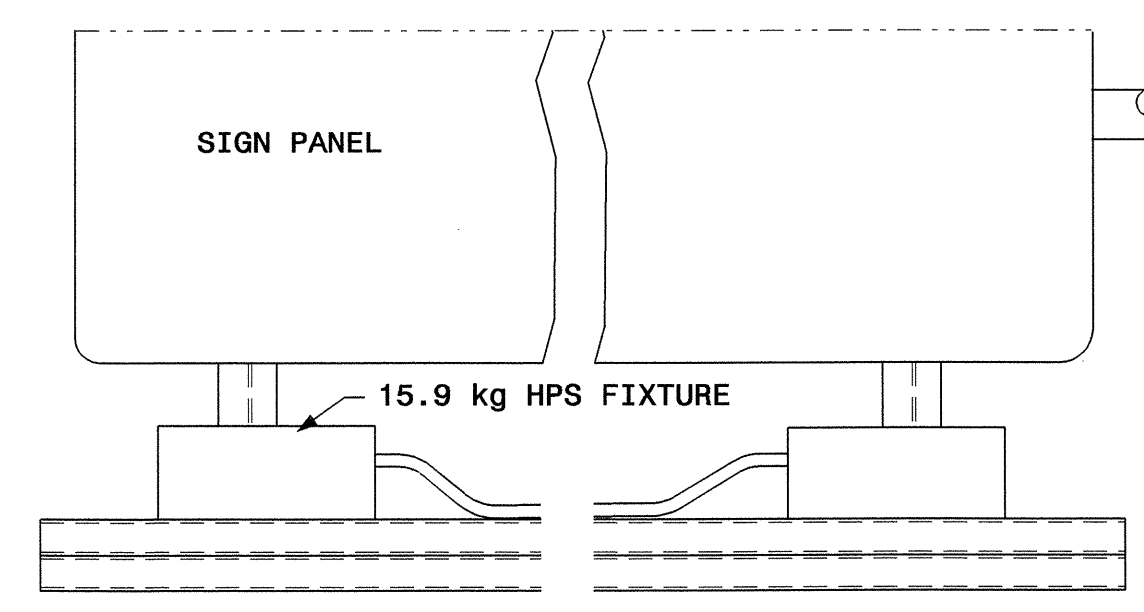
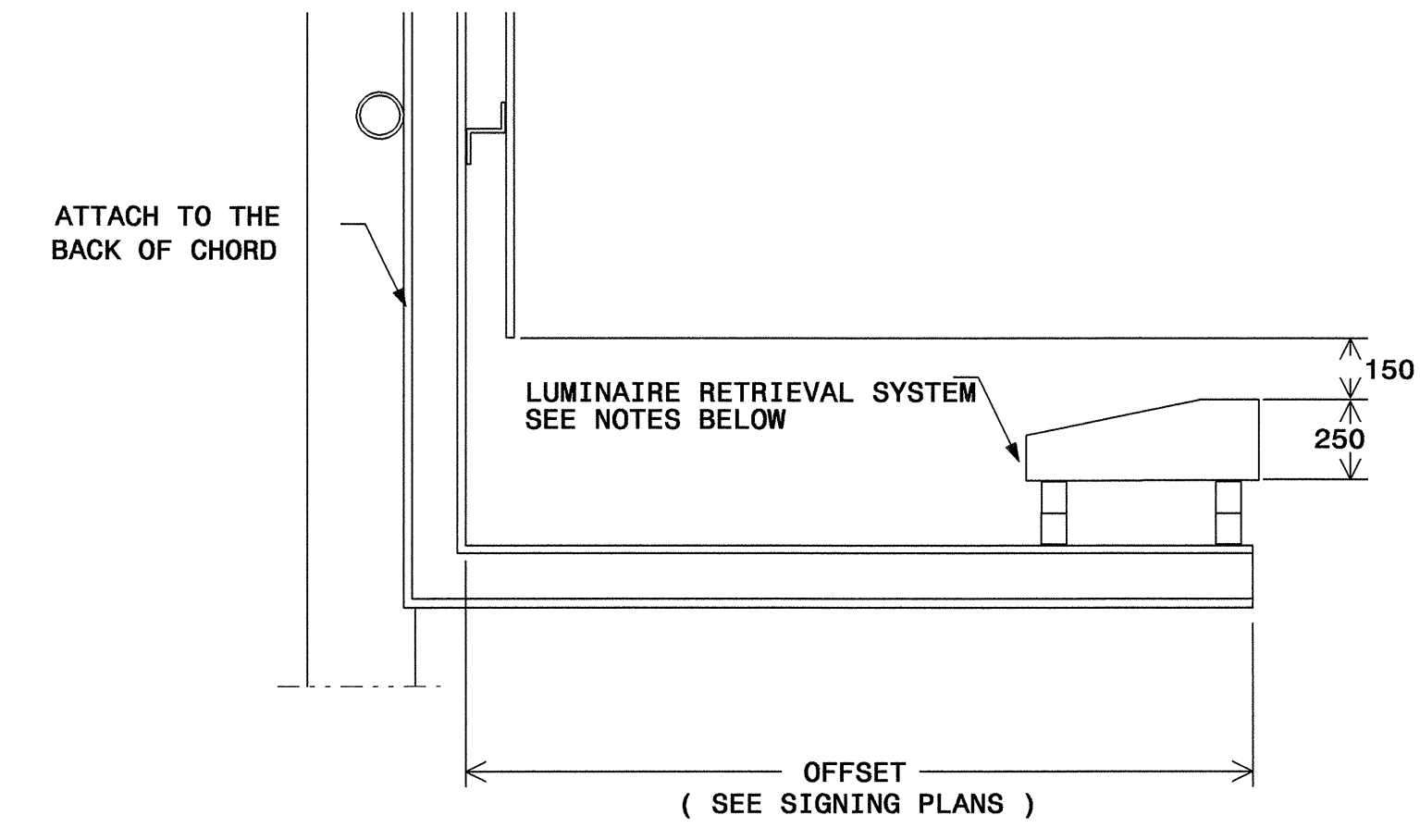
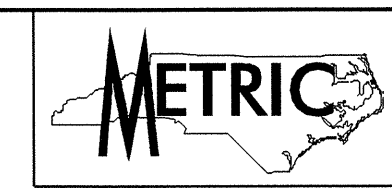
**I-74 EB /US 311 SB
OVERHEAD SIGN ASSEMBLY "Y"
@ STA. 15+28.4070 RAMP C**

* 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 EB /US 311 SB
OVERHEAD SIGN ASSEMBLY "Y"
@ STA. 15+28.4070 RAMP C**

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



IMPORTANT:

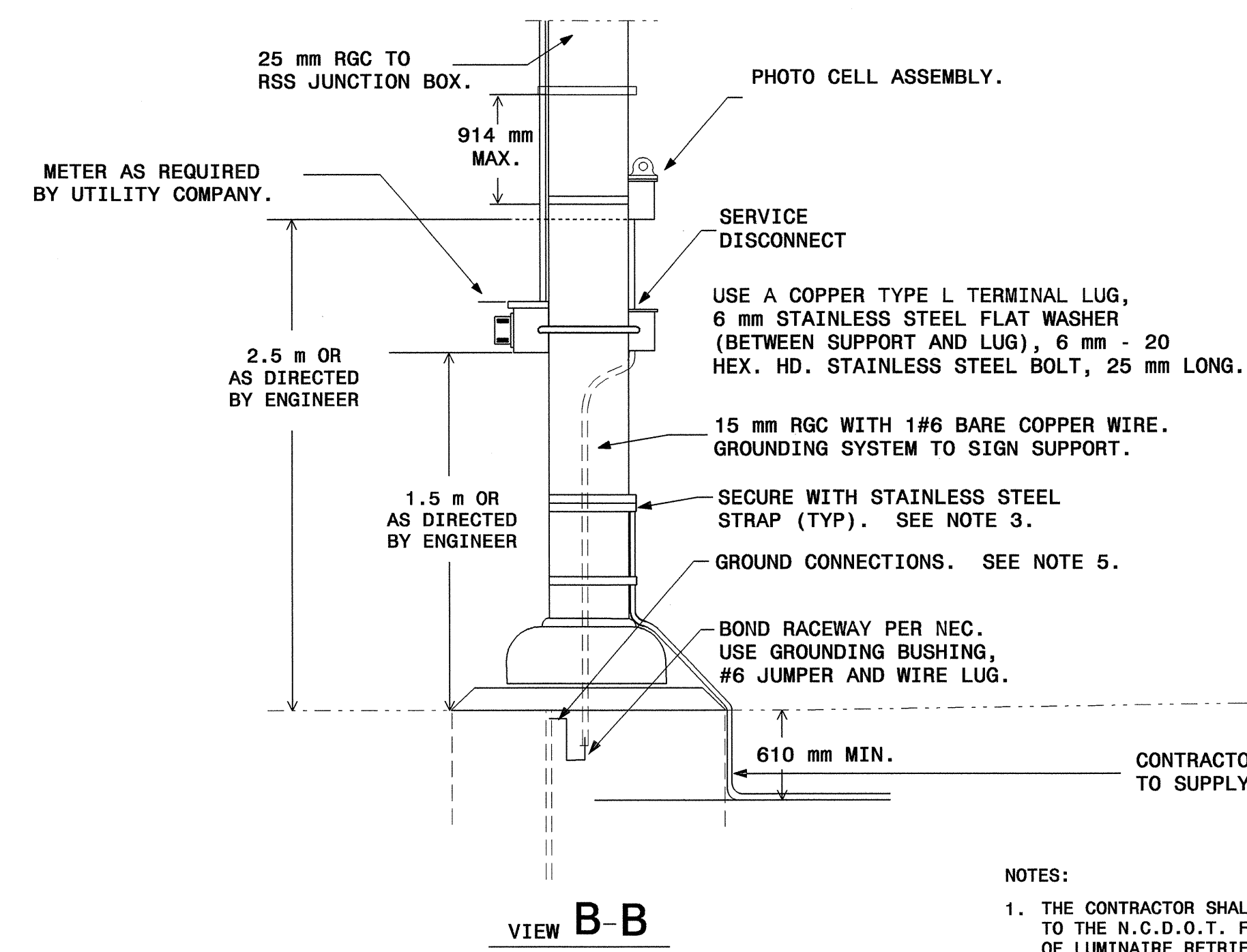
THE POWER SHALL BE DELIVERED UNDER GROUND TO THE SIGN STRUCTURE'S VERTICAL UPRIGHT. NO SERVICE POLE SHALL BE INSTALLED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.

UTILITY COMPANY SHALL NOT INSTALL LINE POLES WITHIN NCDOT RIGHT OF WAY UNLESS APPROVED BY THE ENGINEER.

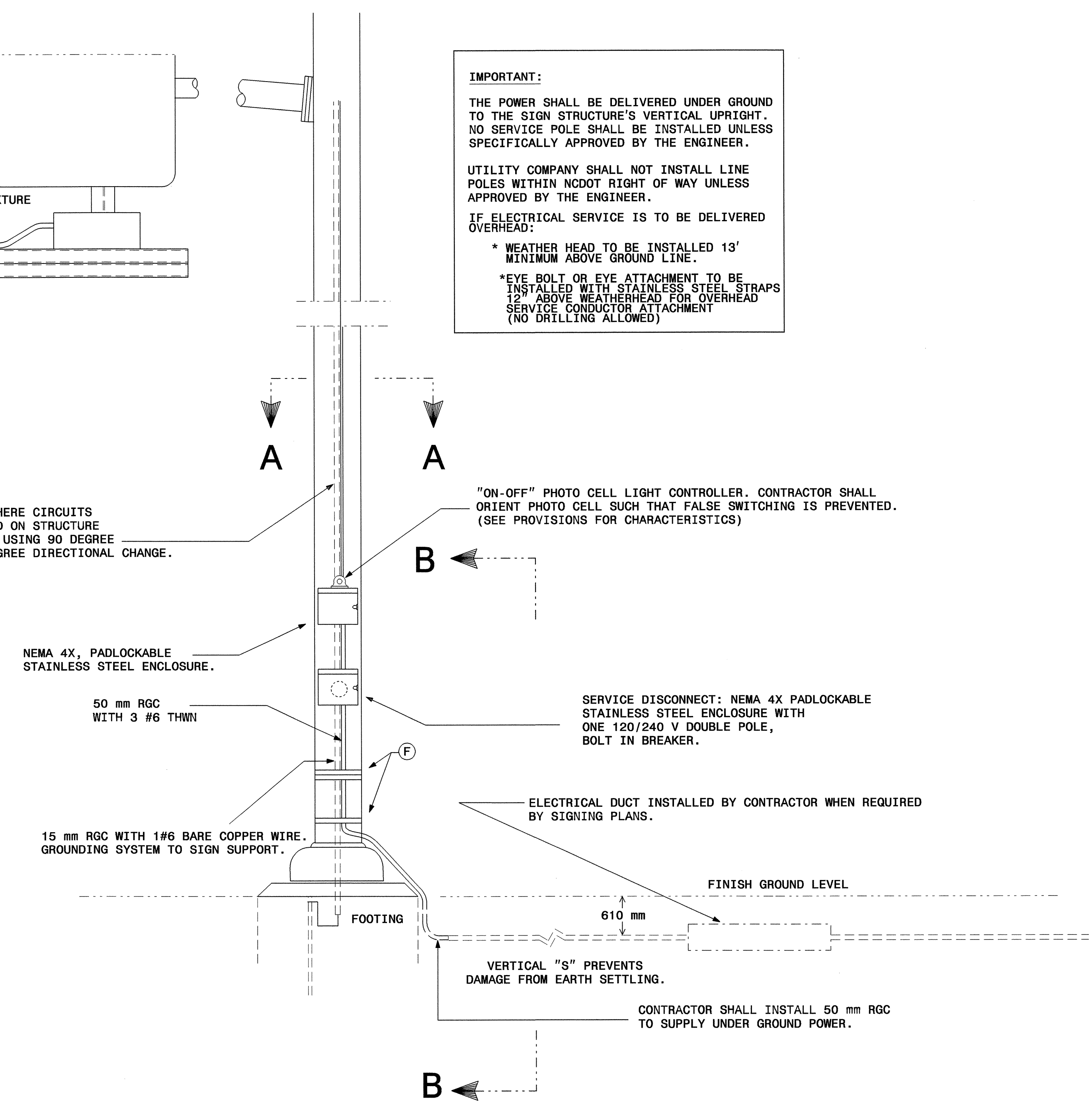
IF ELECTRICAL SERVICE IS TO BE DELIVERED OVERHEAD:

* WEATHER HEAD TO BE INSTALLED 13' MINIMUM ABOVE GROUND LINE.

* EYE BOLT OR EYE ATTACHMENT TO BE INSTALLED WITH STAINLESS STEEL STRAPS 12" ABOVE WEATHERHEAD FOR OVERHEAD SERVICE CONDUCTOR ATTACHMENT (NO DRILLING ALLOWED)

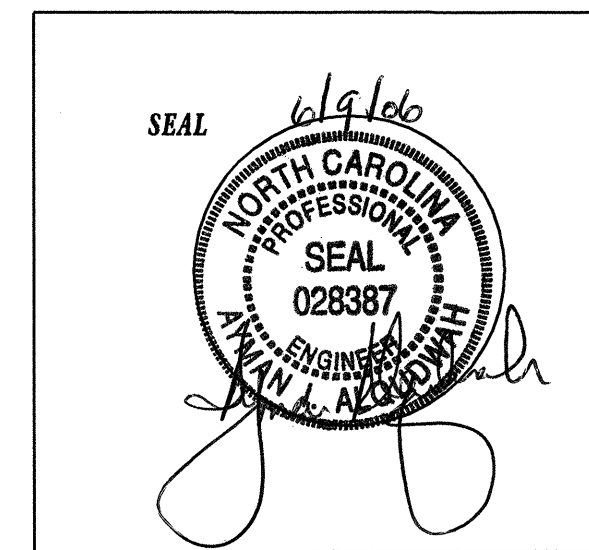
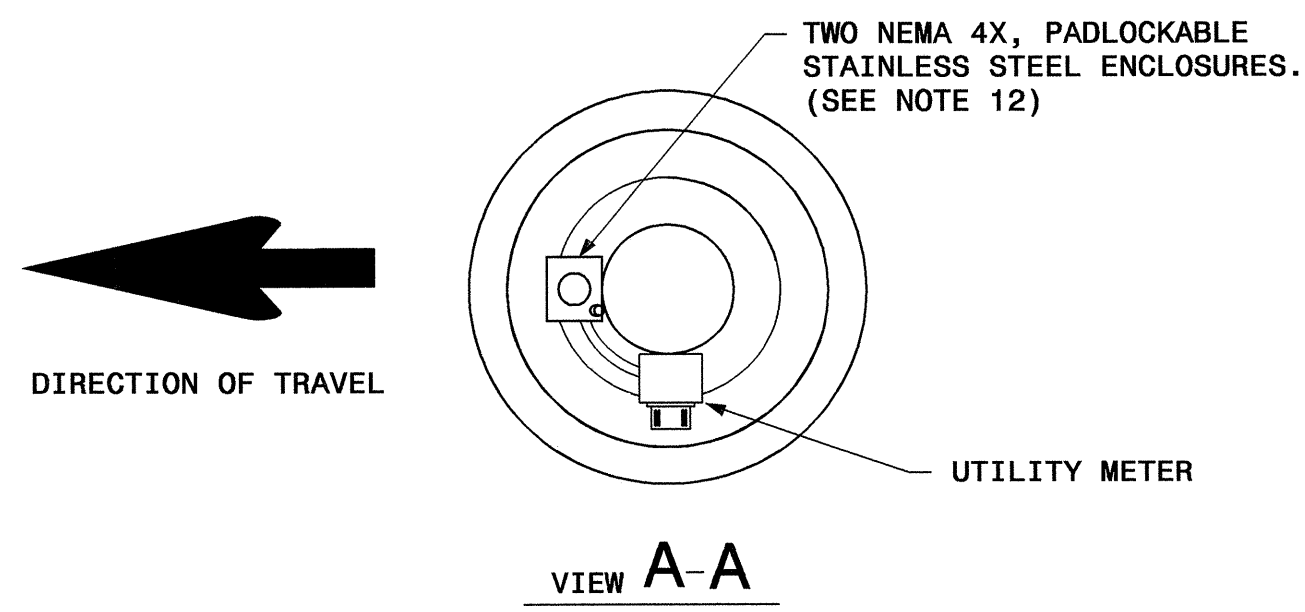


25 mm RGC TO RSS JUNCTION BOX WHERE CIRCUITS SEPARATE. ALL CONDUIT INSTALLED ON STRUCTURE SHALL FOLLOW STRUCTURAL MEMBERS USING 90 DEGREE CONDULET FITTINGS AT EACH 90 DEGREE DIRECTIONAL CHANGE.



- NOTES:
- 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.
 - CAULK ALL ENDS OF CONDUIT UNDERGROUND WITH A CAULKING COMPOUND APPROVED BY THE ENGINEER.
 - STRAPS SHALL BE STAINLESS STEEL MATERIAL UNLESS OTHERWISE SPECIFIED.
 - ALL JUNCTION BOXES AND CONDULETS SHALL BE WATER TIGHT.
 - ALL GROUNDING ELECTRODES SHALL BE 3M LONG AND 16 mm IN DIAMETER COPPER CLAD STEEL RODS DRIVEN A MINIMUM DEPTH OF 915 mm INTO UNDISTURBED EARTH.
 - TEST GROUNDING SYSTEM USING AN APPROVED METHOD. SYSTEM SHOULD MEASURE LESS THAN TWENTY (20) OHMS. IF THE RESISTANCE MEASUREMENT IS GREATER THAN 20 OHMS, ADDITIONAL GROUND RODS SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER TO FULFILL THIS REQUIREMENT.
 - ALL UNDERGROUND BONDING OF GROUNDING ELECTRODES AND CONDUCTORS SHALL BE BY AN EXOTHERMIC WELDING PROCESS (CADWELD OR EQUIVALENT).
 - ALL ASSEMBLIES AND COMPONENTS SHALL BE UL APPROVED. INSTALLATION SHALL MEET NEC REQUIREMENTS AND ALL APPROVED STATE AND LOCAL CODES.
 - THE CONTRACTOR SHALL USE LUMINAIRE RETRIEVAL SYSTEM ON DESIGNATED OVERHEAD STRUCTURES. WALKWAY AND HANDRAIL IS NOT REQUIRED.
 - INSTALLATION OF LUMINAIRE RETRIEVAL SYSTEM SHALL ALLOW LUMINAIRE MAINTENANCE 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.
 - THE LIGHTING EQUIPMENT SERVICE DISCONNECT SHALL BE PLACED IN A LOCATION THAT ALLOWS SAFE WORKING SPACE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC).

- LEGEND
- (A) 20 mm STANDARD LB CONDULET.
 - (B) 20 mm LIQUID TIGHT FLEXIBLE METALLIC CONDUIT.
 - (C) 115 mm X 115 mm X 100 mm RSS JUNCTION CONDULET.
 - (D) 20 mm WATERPROOF ADAPTER.
 - (E) 20 mm RGC
 - (F) STAINLESS STEEL STRAPS.



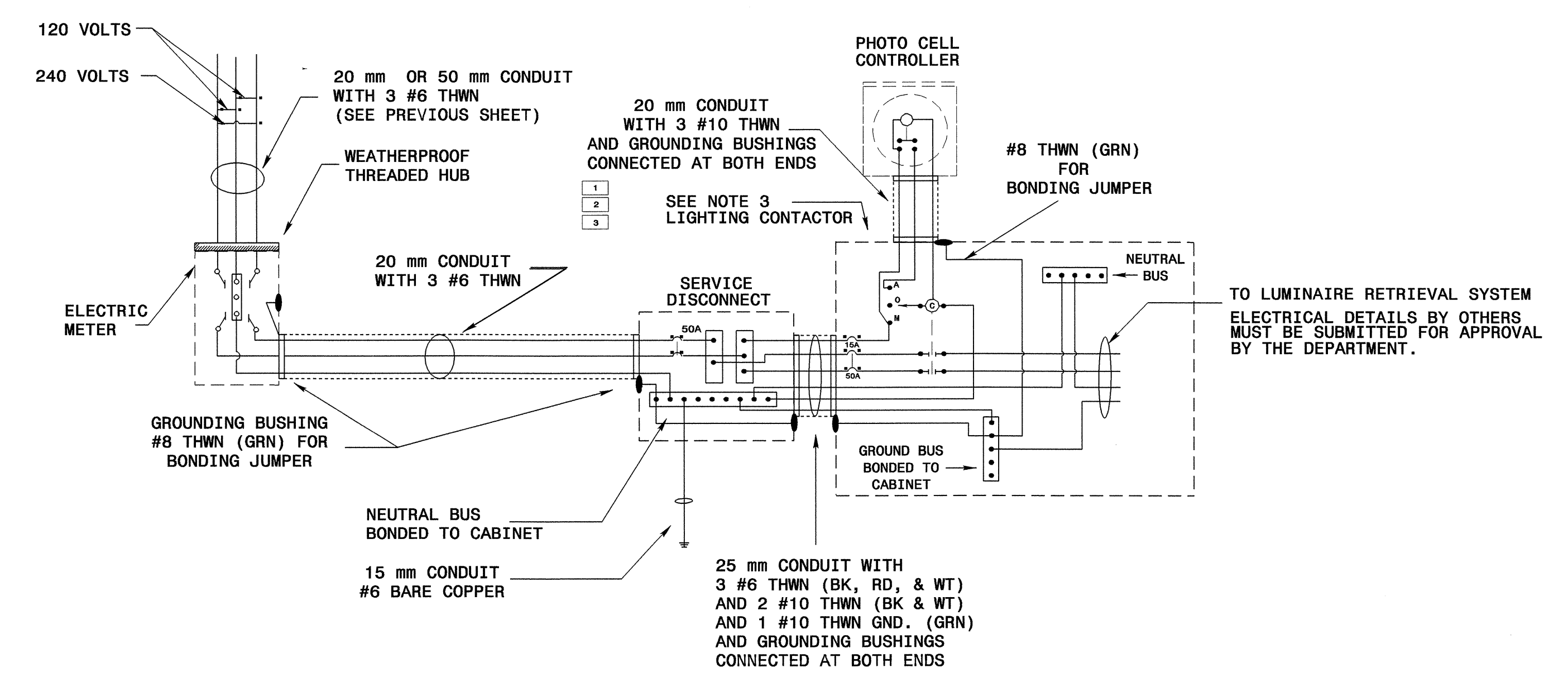
LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLIES WITH LUMITRAK (SHEET 1 OF 2)			
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	08-04-03		
SIGNING TECHNICIAN		DIVISION OF HIGHWAYS	
SIGNING ELECTRICAL ENG	C. SWINDELL		
SIGNING PROJECT ENG	A. ALQUDWAH		
		TRAFFIC ENGINEERING BRANCH	



O.H. ASS'Y NO.	HIGH PRESSURE SODIUM LIGHTING SYSTEM																								MAXIMUM TOTAL WATTAGE	AMPERAGE					
	SIGN LOCATION "Z"								SIGN LOCATION "Y"								SIGN LOCATION "X"										SIGN LOCATION "W"				
SIGN NO.	QTY. & WATT OF FIXTURES	TYPE	OFFSET (M)	B (M)	C (M)	D (M)	SIGN NO.	QTY. & WATT OF FIXTURES	TYPE	OFFSET (M)	E (M)	C (M)	D (M)	SIGN NO.	QTY. & WATT OF FIXTURES	TYPE	OFFSET (M)	F (M)	C (M)	D (M)	SIGN NO.	QTY. & WATT OF FIXTURES	TYPE	OFFSET (M)	G (M)	C (M)	D (M)				
C	4B	2/150	VF/GE	2.53	6.19	1.5	3.8	3	2/150	VF/GE	2.63	3.02	1.00	3															7680	8	
D	5B	2/150	VF/GE	2.43	10.62	1.5	3.7	6B	2/150	VF/GE	2.43	.45	1.5	2															7680	8	
E	8B	2/150	VF/GE	2.33	6.84	1	2.9	7B	1/150	VF/GE	2.33	.46	1.4	0															5760	6	
F	10B	1/150	VF/GE	2.53	8.25	1.4	0	9	2/150	VF/GE	2.53	.62	1.00	2.00															5760	6	
L	21B	2/150	VF/GE	2.73	6.08	1	1.4	20B	2/150	VF/GE	2.73	.15	2	3	19	2/150	VF/GE	2.73	.15	1	3.6									11520	12
M	22B	3/150	VF/GE	2.43	4.77	2	2.1																						5760	5	
N	25B	2/150	VF/GE	2.78	5.23	1.50	1.90	24B	2/150	VF/GE	2.78	.32	1.60	2.40	23	2/150	VF/GE	2.78	.32	1.15	2									11520	12
O	27B	2/150	VF/GE	2.43	3	2	2.7	26	2/150	VF/GE	2.43	.3	1	2.3															7680	8	
P	29B	2/150	VF/GE	2.53	5.95	1	3.4	28B	2/150	VF/GE	2.53	.15	1	2.7															7680	8	
Q	30B	2/150	VF/GE	2.13	6.04	1.5	3																						3840	4	
X	41B	2/150	VF/GE	2.43	13.66	.925	2.45	40	1/150	VF/GE	2.43	1.58	1.40	0	39	2/150	VF/GE	2.33	1.45	1.25	3									9600	10
Y	44B	2/150	VF/GE	2.73	11.7	1.5	2	43	1/150	VF/GE	2.73	.6	1.4	0	42B	2/150	VF/GE	2.33	.3	1.1	2.1									9600	10

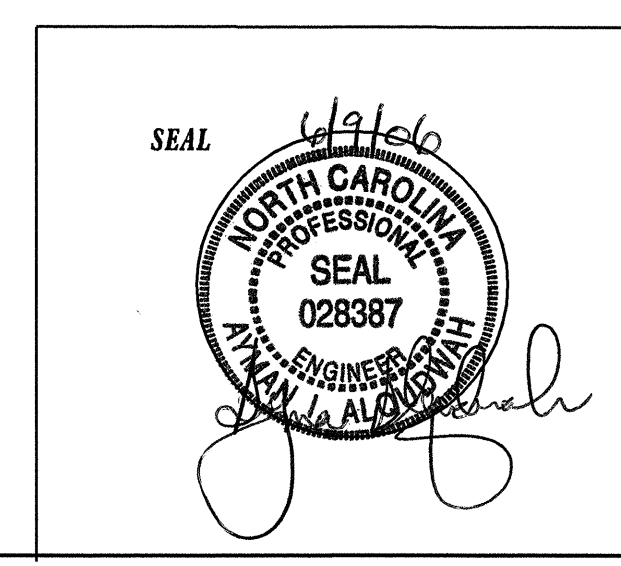
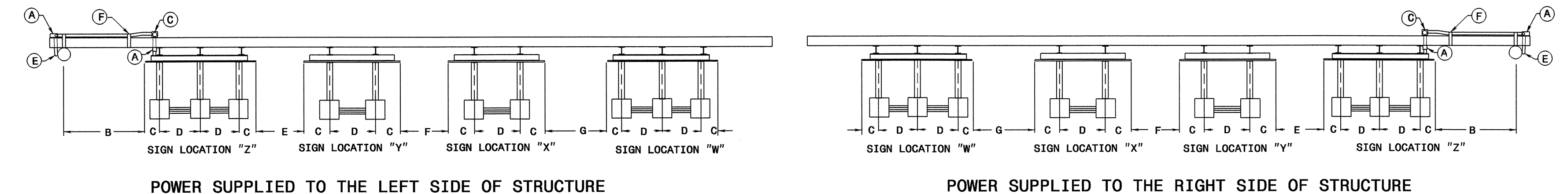
- NOTES:
- NAMEPLATE SHALL READ (1) "MAIN", (2) "LIGHTS", (3) "CONTROL".
 - CAULK ALL ENDS OF CONDUIT UNDERGROUND WITH A CAULKING COMPOUND APPROVED BY THE ENGINEER.
 - LABEL THREE POSITION SELECTOR SWITCH "MANUAL", "OFF", AND "AUTO".
 - STRAPS SHALL BE STAINLESS STEEL MATERIAL UNLESS OTHERWISE SPECIFIED.
 - THE CONTRACTOR SHALL USE G.E. VERSA FLOOD II OR AN APPROVED EQUIVALENT FIXTURE. THE CONTRACTOR MAY REQUEST APPROVAL TO USE A FIXTURE THAT IS EQUAL TO OR EXCEEDS SPECIFICATIONS FOR THE G.E. FIXTURE. THE POINT-TO-POINT LIGHTING ANALYSIS WILL BE REQUIRED PRIOR TO THE APPROVAL OF A FIXTURE OTHER THAN THE ONE SPECIFIED. SEE N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
 - THE CONTRACTOR SHALL VERIFY THE LENGTH OF UNDERGROUND RUN ("H" DISTANCE) AND RE CALCULATE WIRE SIZE (UF WIRE) ACCORDING TO THE NEC (NOT MORE THAN 3% VOLTAGE DROP) FOR EACH OVERHEAD LIGHTING SYSTEM. THESE MEASUREMENTS AND WIRE SIZES SHALL BE SUBMITTED WITH THE CATALOG CUTS FOR APPROVAL.
 - THE CONTRACTOR SHALL USE LUMINAIRE RETRIEVAL SYSTEM ON DESIGNATED OVERHEAD STRUCTURES. WALKWAY AND HANDRAIL IS NOT REQUIRED.
 - ALL UNDERGROUND DUCT SHALL BE INSTALLED BY THE CONTRACTOR USING MINIMUM 50MM DIAMETER RIDGED GALVANIZED STEEL OR RIDGED PVC HEAVY WALL CONDUIT.
 - TEST SYSTEM GROUNDING USING AN APPROVED METHOD. SYSTEM SHOULD MEASURE LESS THAN TWENTY (20) OHMS.
 - INSTALLATION SHALL MEET NEC REQUIREMENTS AND ALL APPLICABLE LOCAL AND STATE CODES.
 - EACH SIGN SHALL HAVE ITS OWN CIRCUIT. MAX. 1920 WATTS PER CIRCUIT. LOAD MUST BE DISTRIBUTED EQUALLY BETWEEN THE TWO 120 VOLTS CIRCUITS. MAX. LOAD FOR BOTH 120 VOLTS CIRCUITS IS 7680 WATTS.
 - THE POSITION OF THE CIRCUIT NO. AND BREAKER NO. IS NOT THE SAME IN THE PANEL.
 - THE CONTRACTOR SHALL BE REQUIRED TO FURNISH ONLY THE APPROPRIATE NUMBER OF BREAKERS AND WIRE THAT IS REQUIRED IN ACCORDANCE WITH THE NUMBER OF CIRCUITS LISTED FOR A GIVEN LIGHTING SYSTEM.
 - POWER IS TO BE INSTALLED ON THE RIGHT UNLESS OTHERWISE DIRECTED.

- LEGEND
- (A) 20 mm STANDARD LB CONDULET.
 - (B) 20 mm LIQUID TIGHT FLEXIBLE METALLIC CONDUIT.
 - (C) 115 mm X 115 mm X 100 mm RSS-1 JUNCTION CONDULET.
 - (D) 20 mm WATERPROOF ADAPTER.
 - (E) 20 mm RIGID GALVANIZED CONDUIT.
 - (F) STAINLESS STEEL STRAPS.



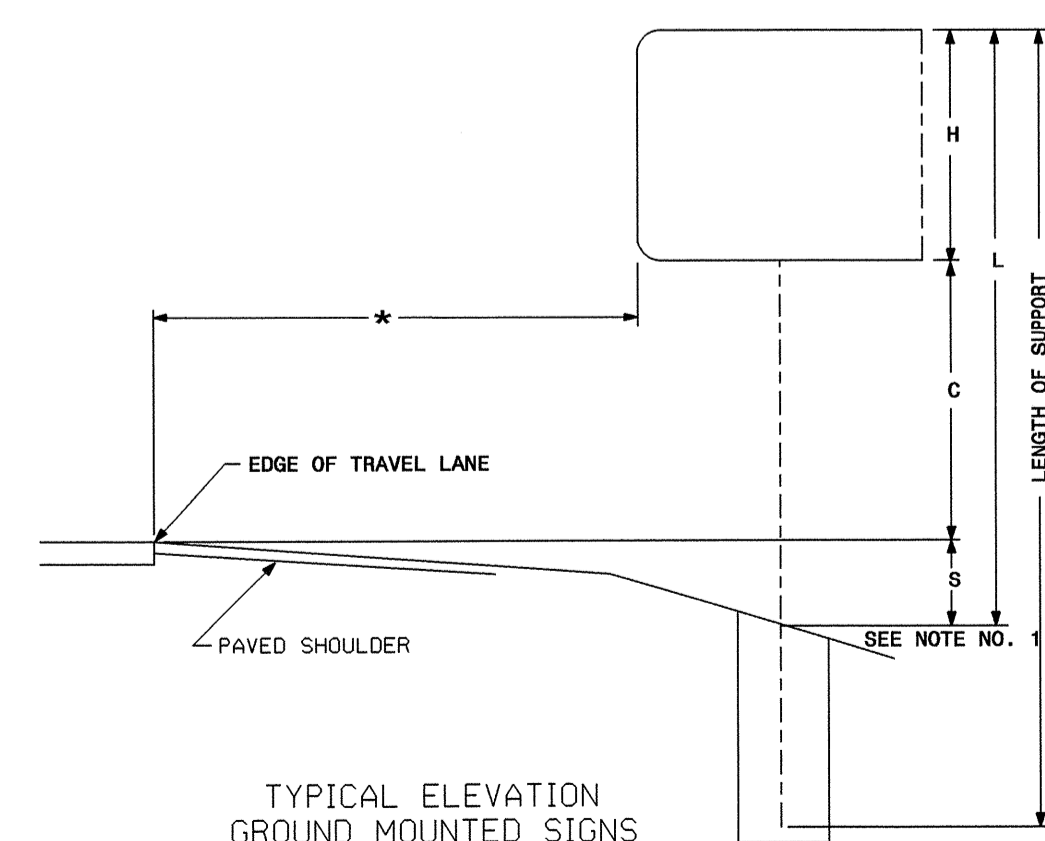
WIRING SCHEMATIC

LIGHT FIXTURE SPACING TOP VIEW

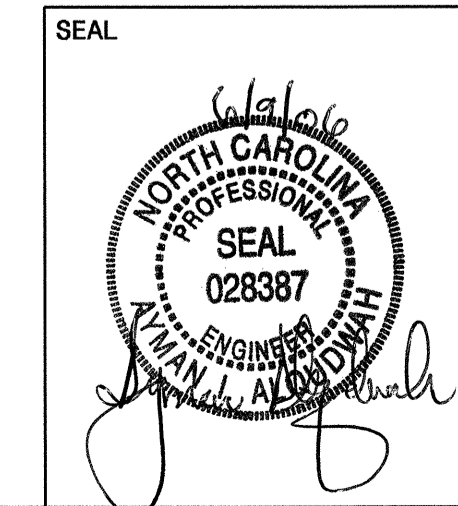
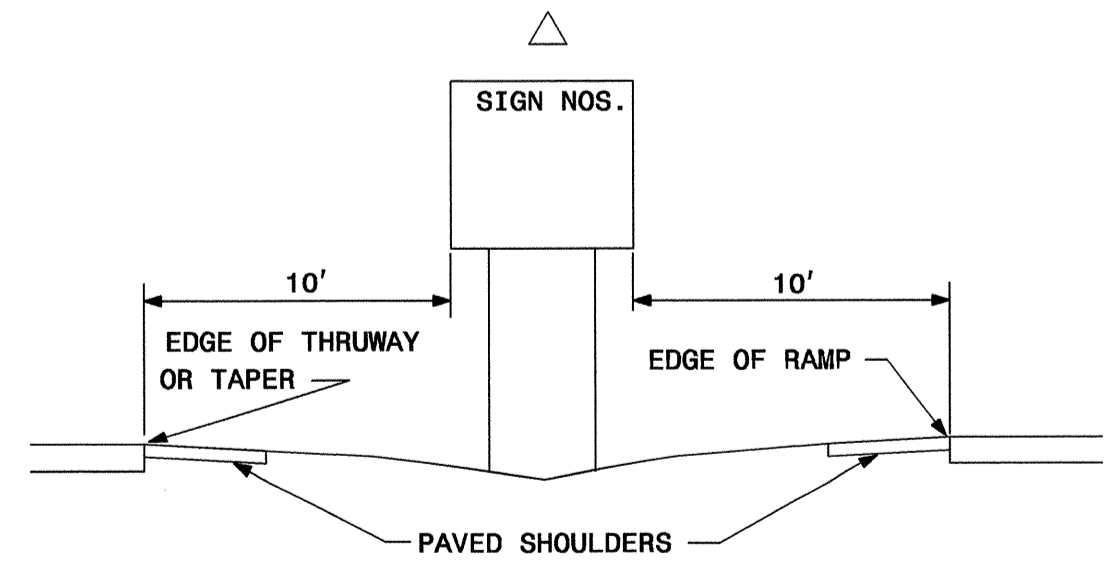


LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLIES WITH LUMITRAK (SHEET 2 OF 2)				
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS	
DATE	08-04-03			
SIGNING TECHNICIAN		DIVISION OF HIGHWAYS		
SIGNING ELECTRICAL ENG	C. SWINDELL		TRAFFIC ENGINEERING	
SIGNING PROJECT ENG	A. ALQUDWAH		BRANCH	

SIGN NO.	SIGN TYPE	SIGN SIZE (mm)			ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR. (m)	LENGTH (m)			LEFT SUPPORT (m)			CENTER SUPPORT (m)			RIGHT SUPPORT (m)			FOOTING DIAMETER (m)	FOOTING DEPTH (m)	B/A SUPPORT WEIGHTS (kg)	SIMPLE SUPPORT WEIGHTS (lbs.)	REINF. FTGS. (c.m.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h								SNS H	MTG HT C	EMBED-MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH						
101A	B	2800	X	800	SEE SIGN-42	3	W6x12	S	1-R	N/A	9.14	1.70	2.13	1.676	1.68	5.51	7.19	2.26	6.09	7.77	2.87	6.70	8.38	0.4572	1.8288	0.00	416.80	0.9007	
101B	A	5100	X	1700																									
102A	B	2800	X	800	SEE SIGN-43	2	W8x18	S	1-R	N/A	9.14	2.10	2.13	1.829	0.88	5.11	6.94	0.00	0.00	0.00	2.19	6.42	8.25	0.6096	1.9812	0.00	407.02	1.1565	
102B	A	5100	X	2100																									
103A	B	2800	X	800	SEE SIGN-43	2	W6x16	BA	1-R	N/A	9.14	2.10	2.13	1.829	0.91	5.14	6.97	0.00	0.00	0.00	0.58	4.81	6.64	0.4572	1.9812	367.22	0.00	0.6505	
103B	A	5100	X	2100																									
104A	B	2800	X	800	SEE SIGN-44	3	W6x16	S	1-R	N/A	9.14	1.70	2.13	1.829	1.10	4.93	6.76	2.23	6.06	7.89	3.35	7.18	9.01	0.4572	1.9812	0.00	563.46	0.9758	
104B	A	5700	X	1700																									
105A	B	2800	X	800	SEE SIGN-44	3	W6x12	BA	1-R	N/A	9.14	2.10	2.13	1.524	0.88	5.11	6.64	0.58	4.81	6.34	0.30	4.53	6.06	0.4572	1.6764	393.14	0.00	0.8257	
105B	A	5700	X	2100																									
106A	B	2800	X	800	SEE SIGN-44	2	W8x18	S	1-R	N/A	9.14	1.70	2.13	1.829	0.94	4.77	6.60	0.00	0.00	0.00	2.80	6.63	8.46	0.6096	1.9812	0.00	403.54	1.1565	
106B	A	5100	X	1700																									
107A	B	2800	X	800	SEE SIGN-45	2	W6x12	BA	1-R	N/A	9.14	1.70	2.16	1.676	0.12	3.98	5.66	0.00	0.00	0.00	-0.03	3.83	5.51	0.4572	1.8288	234.97	0.00	0.6005	
107B	A	5300	X	1700																									
108A	B	2800	X	800	SEE SIGN-45	2	W8x18	BA	1-R	N/A	9.14	2.10	2.13	1.981	2.10	6.33	8.31	0.00	0.00	0.00	3.08	7.31	9.29	0.6096	2.1336	535.39	0.00	1.2454	
108B	A	5300	X	2100																									
109A	B	2800	X	800	SEE SIGN-45	3	W6x12	S	1-R	N/A	9.14	2.10	2.13	1.676	0.64	4.87	6.55	1.01	5.24	6.92	1.25	5.48	7.16	0.4572	1.8288	0.00	368.41	0.9007	
109B	A	5700	X	2100																									
110A	B	2800	X	800	SEE SIGN-45	3	W6x12	BA	1-R	N/A	9.14	1.70	4.20	1.676	-0.10	5.80	7.48	-2.07	3.83	5.51	-1.34	4.56	6.24	0.4572	1.8288	396.66	0.00	0.9007	
110B	A	5700	X	1700																									
111A	B	2800	X	800	SEE SIGN-46	2	W8x18	S	1-R	N/A	9.14	2.10	2.13	1.829	0.70	4.93	6.76	0.00	0.00	0.00	2.26	6.49	8.32	0.6096	1.9812	0.00	404.08	1.1565	
111B	A	5300	X	2100																									
112A	B	2800	X	800	SEE SIGN-47	2	W8x21	S	1-R	N/A	9.14	2.70	2.13	1.981	1.46	6.29	8.27	0.00	0.00	0.00	2.83	7.66	9.64	0.6096	2.1336	0.00	560.01	1.2454	
112B	A	4700	X	2700																									
113A	B	2800	X	800	SEE SIGN-47	2	W8x18	BA	1-R	N/A	9.14	3.00	2.13	1.981	0.76	5.89	7.87	0.00	0.00	0.00	1.40	6.53	8.51	0.6096	2.1336	502.71	0.00	1.2454	
113B	A	4700	X	3000																									
114A	B	2800	X	800	SEE SIGN-47	2	W8x18	S	1-R	N/A	9.14	1.70	2.13	1.829	1.34	5.17	7.00	0.00	0.00	0.00	2.74	6.57	8.40	0.6096	1.9812	0.00	412.65	1.1565	
114B	A	5300	X	1700																									
115A	B	2800	X	800	SEE SIGN-48	2	W8x21	BA	1-R	N/A	9.14	3.00	2.13	1.981	1.43	6.56	8.54	0.00	0.00	0.00	2.16	7.29	9.27	0.6096	2.1336	623.31	0.00	1.2454	
115B	A	4700	X	3000																									
116A	B	2800	X	800	SEE SIGN-48	2	W6x16	BA	1-R	N/A	9.14	2.70	2.43	1.981	0.36	5.49	7.47	0.00	0.00	0.00	-0.30	4.83	6.81	0.4572	2.1336	383.29	0.00	0.7006	
116B	A	4700	X	2700																									
117A	B	2500	X	800	SEE SIGN-64	2	W6x12	BA	1-R	N/A	9.14	2.10	2.13	1.676	0.58	4.81	6.49	0.00	0.00	0.00	0.30	4.53	6.21	0.4572	1.8288	262.30	0.00	0.6005	
117B	A	4300	X	2100																									
118A	B	2500	X	800	SEE SIGN-64	2	W6x16	BA	1-R	N/A	9.14	1.70	2.13	1.829	2.34	6.17	8.00	0.00	0.00	0.00	2.03	5.86	7.69	0.4572	1.9812	416.75	0.00	0.6505	
118B	A	4300	X	1700																									
119	A	4800	X	3200	SEE SIGN-69	2	W8x18	BA	N/A	N/A	9.14	3.20	2.13	1.829	0.68	6.01	7.84	0.00	0.00	0.00	1.96	7.29	9.12	0.6096	1.9812	518.12	0.00	1.1565	
120	A	4800	X	3500	SEE SIGN-69	2	W8x21	BA	N/A	N/A	9.14	3.50	2.13	1.981	1.42	7.05	9.03	0.00	0.00	0.00	2.58	8.21	10.19	0.6096	2.1336	667.37	0.00	1.2454	
121	A	4800	X	3500	SEE SIGN-69	2	W8x21	BA	N/A	N/A	9.14	3.50	2.13	1.981	1.82	7.45	9.43	0.00	0.00	0.00	2.58	8.21	10.19	0.6096	2.1336	679.87	0.00	1.2454	
122	A	4800	X	3200	SEE SIGN-69	2	W8x18	BA	N/A	N/A	9.14	3.20	2.13	1.829	1.52	6.85	8.68	0.00	0.00	0.00	1.69	7.02	8.85	0.6096	1.9812	533.39	0.00	1.1565	
123	A	2000	X	1900	SEE SIGN-49	2	S4x7.7	BA	N/A	N/A	9.14	1.90	2.13	1.219	0.76	4.80	6.01	0.00	0.00	0.00	0.84	4.87	6.09	0.3048	1.3716	157.11	0.00	0.2002	



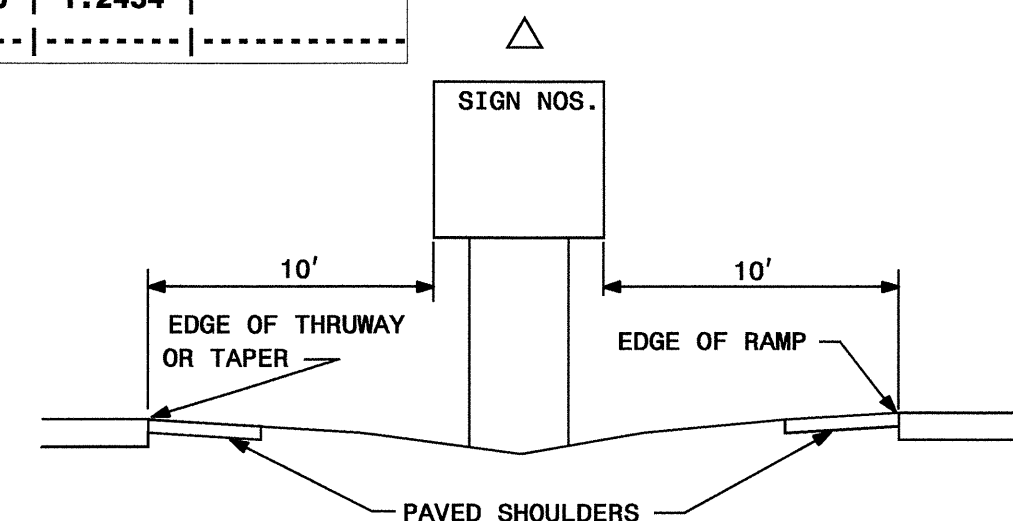
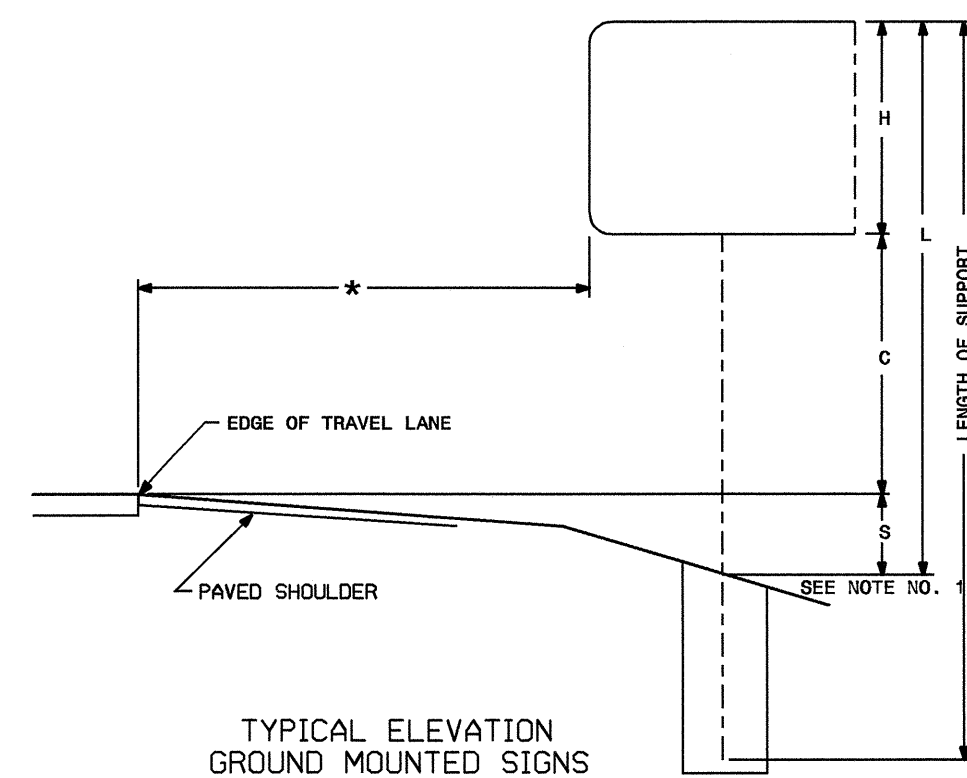
- NOTES
1. DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
 2. FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
 3. PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.



TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS

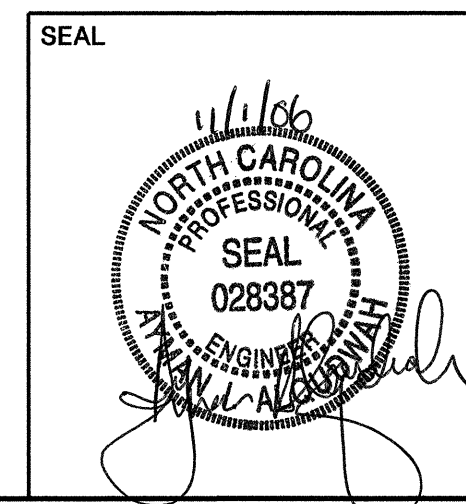
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

SIGN NO.	SIGN TYPE	SIGN SIZE (mm)			ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR.* (m)	LENGTH (m)			LEFT SUPPORT (m)			CENTER SUPPORT (m)			RIGHT SUPPORT (m)			FOOTING DIAMETER (m)	FOOTING DEPTH (m)	B/A SUPPORT WEIGHTS (kg)	SIMPLE SUPPORT WEIGHTS (lbs.)	REINF. FTGS. (c.m.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h								SNS	HT	MTG	HT	EMBED- MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S						
101A	B	2800	X	800							9.14	1.70	2.13	1.676	1.68	5.51	7.19	2.26	6.09	7.77	2.87	6.70	8.38	0.4572	1.8288	0.00	416.80	0.9007	
101B	A	5100	X	1700	SEE SIGN-42	3	W6x12	S	1-R	N/A	9.14	1.70	2.13	1.676	1.68	5.51	7.19	2.26	6.09	7.77	2.87	6.70	8.38	0.4572	1.8288	0.00	416.80	0.9007	
102A	B	2800	X	800							9.14	2.10	2.13	1.829	0.88	5.11	6.94	0.00	0.00	0.00	2.19	6.42	8.25	0.6096	1.9812	0.00	407.02	1.1565	
102B	A	5100	X	2100	SEE SIGN-43	2	W8x18	S	1-R	N/A	9.14	2.10	2.13	1.829	0.88	5.11	6.94	0.00	0.00	0.00	2.19	6.42	8.25	0.6096	1.9812	0.00	407.02	1.1565	
103A	B	2800	X	800							9.14	2.10	2.13	1.829	0.91	5.14	6.97	0.00	0.00	0.00	0.58	4.81	6.64	0.4572	1.9812	367.22	0.00	0.6505	
103B	A	5100	X	2100	SEE SIGN-43	2	W6x16	BA	1-R	N/A	9.14	2.10	2.13	1.829	0.91	5.14	6.97	0.00	0.00	0.00	0.58	4.81	6.64	0.4572	1.9812	367.22	0.00	0.6505	
104A	B	2800	X	800							9.14	1.70	2.13	1.829	1.10	4.93	6.76	2.23	6.06	7.89	3.35	7.18	9.01	0.4572	1.9812	0.00	563.46	0.9758	
104B	A	5700	X	1700	SEE SIGN-44	3	W6x16	S	1-R	N/A	9.14	1.70	2.13	1.829	1.10	4.93	6.76	2.23	6.06	7.89	3.35	7.18	9.01	0.4572	1.9812	0.00	563.46	0.9758	
105A	B	2800	X	800							9.14	2.10	2.13	1.524	0.88	5.11	6.64	0.58	4.81	6.34	0.30	4.53	6.06	0.4572	1.6764	393.14	0.00	0.8257	
105B	A	5700	X	2100	SEE SIGN-44	3	W6x12	BA	1-R	N/A	9.14	2.10	2.13	1.524	0.88	5.11	6.64	0.58	4.81	6.34	0.30	4.53	6.06	0.4572	1.6764	393.14	0.00	0.8257	
106A	B	2800	X	800							9.14	1.70	2.13	1.829	0.94	4.77	6.60	0.00	0.00	0.00	2.80	6.63	8.46	0.6096	1.9812	0.00	403.54	1.1565	
106B	A	5100	X	1700	SEE SIGN-44	2	W8x18	S	1-R	N/A	9.14	1.70	2.13	1.829	0.94	4.77	6.60	0.00	0.00	0.00	2.80	6.63	8.46	0.6096	1.9812	0.00	403.54	1.1565	
107A	B	2800	X	800							9.14	1.70	2.16	1.676	0.12	3.98	5.66	0.00	0.00	0.00	-0.03	3.83	5.51	0.4572	1.8288	234.97	0.00	0.6005	
107B	A	5300	X	1700	SEE SIGN-45	2	W6x12	BA	1-R	N/A	9.14	1.70	2.16	1.676	0.12	3.98	5.66	0.00	0.00	0.00	-0.03	3.83	5.51	0.4572	1.8288	234.97	0.00	0.6005	
108A	B	2800	X	800							9.14	2.10	2.13	1.981	2.10	6.33	8.31	0.00	0.00	0.00	3.08	7.31	9.29	0.6096	2.1336	535.39	0.00	1.2454	
108B	A	5300	X	2100	SEE SIGN-45	2	W8x18	BA	1-R	N/A	9.14	2.10	2.13	1.981	2.10	6.33	8.31	0.00	0.00	0.00	3.08	7.31	9.29	0.6096	2.1336	535.39	0.00	1.2454	
109A	B	2800	X	800							9.14	2.10	2.13	1.676	0.64	4.87	6.55	1.01	5.24	6.92	1.25	5.48	7.16	0.4572	1.8288	0.00	368.41	0.9007	
109B	A	5700	X	2100	SEE SIGN-45	3	W6x12	S	1-R	N/A	9.14	2.10	2.13	1.676	0.64	4.87	6.55	1.01	5.24	6.92	1.25	5.48	7.16	0.4572	1.8288	0.00	368.41	0.9007	
110A	B	2800	X	800							9.14	1.70	4.20	1.676	-0.10	5.80	7.48	-2.07	3.83	5.51	-1.34	4.56	6.24	0.4572	1.8288	396.66	0.00	0.9007	
110B	A	5700	X	1700	SEE SIGN-45	3	W6x12	BA	1-R	N/A	9.14	1.70	4.20	1.676	-0.10	5.80	7.48	-2.07	3.83	5.51	-1.34	4.56	6.24	0.4572	1.8288	396.66	0.00	0.9007	
111A	B	2800	X	800							9.14	2.10	2.13	1.829	0.70	4.93	6.76	0.00	0.00	0.00	2.26	6.49	8.32	0.6096	1.9812	0.00	404.08	1.1565	
111B	A	5300	X	2100	SEE SIGN-46	2	W8x18	S	1-R	N/A	9.14	2.10	2.13	1.829	0.70	4.93	6.76	0.00	0.00	0.00	2.26	6.49	8.32	0.6096	1.9812	0.00	404.08	1.1565	
112A	B	2800	X	800							9.14	2.70	2.13	1.981	1.46	6.29	8.27	0.00	0.00	0.00	2.83	7.66	9.64	0.6096	2.1336	0.00	560.01	1.2454	
112B	A	4700	X	2700	SEE SIGN-47	2	W8x21	S	1-R	N/A	9.14	2.70	2.13	1.981	1.46	6.29	8.27	0.00	0.00	0.00	2.83	7.66	9.64	0.6096	2.1336	0.00	560.01	1.2454	
113A	B	2800	X	800							9.14	3.00	2.13	1.981	0.76	5.89	7.87	0.00	0.00	0.00	1.40	6.53	8.51	0.6096	2.1336	502.71	0.00	1.2454	
113B	A	4700	X	3000	SEE SIGN-47	2	W8x18	BA	1-R	N/A	9.14	3.00	2.13	1.981	0.76	5.89	7.87	0.00	0.00	0.00	1.40	6.53	8.51	0.6096	2.1336	502.71	0.00	1.2454	
114A	B	2800	X	800							9.14	1.70	2.13	1.829	1.34	5.17	7.00	0.00	0.00	0.00	2.74	6.57	8.40	0.6096	1.9812	0.00	412.65	1.1565	
114B	A	5300	X	1700	SEE SIGN-47	2	W8x18	S	1-R	N/A	9.14	1.70	2.13	1.829	1.34	5.17	7.00	0.00	0.00	0.00	2.74	6.57	8.40	0.6096	1.9812	0.00	412.65	1.1565	
115A	B	2800	X	800							9.14	3.00	2.13	1.981	1.43	6.56	8.54	0.00	0.00	0.00	2.16	7.29	9.27	0.6096	2.1336	623.31	0.00	1.2454	
115B	A	4700	X	3000	SEE SIGN-48	2	W8x21	BA	1-R	N/A	9.14	3.00	2.13	1.981	1.43	6.56	8.54	0.00	0.00	0.00	2.16	7.29	9.27	0.6096	2.1336	623.31	0.00	1.2454	
116A	B	2800	X	800							9.14	2.70	2.43	1.981	0.36	5.49	7.47	0.00	0.00	0.00	-0.30	4.83	6.81	0.4572	2.1336	383.29	0.00	0.7006	
116B	A	4700	X	2700	SEE SIGN-48	2	W6x16	BA	1-R	N/A	9.14	2.70	2.43	1.981	0.36	5.49	7.47	0.00	0.00	0.00	-0.30	4.83	6.81	0.4572	2.1336	383.29	0.00	0.7006	
117A	B	2500	X	800							9.14	2.10	2.13	1.676	0.58	4.81	6.49	0.00	0.00	0.00	0.30	4.53	6.21	0.4572	1.8288	262.30	0.00	0.6005	
117B	A	4300	X	2100	SEE SIGN-64	2	W6x12	BA	1-R	N/A	9.14	2.10	2.13	1.676	0.58	4.81	6.49	0.00	0.00	0.00	0.30	4.53	6.21	0.4572	1.8288	262.30	0.00	0.6005	
118A	B	2500	X	800							9.14	1.70	2.13	1.829	2.34	6.17	8.00	0.00	0.00	0.00	2.03	5.86	7.69	0.4572	1.9812	416.75	0.00	0.6505	
118B	A	4300	X	1700	SEE SIGN-64	2	W6x16	BA	1-R	N/A	9.14	1.70	2.13	1.829	2.34	6.17	8.00	0.00	0.00	0.00	2.03	5.86	7.69	0.4572	1.9812	416.75	0.00	0.6505	
119	A	4800	X	3200	SEE SIGN-69	2	W8x18	BA	N/A	N/A	9.14	3.20	2.13	1.829	0.68	6.01	7.84	0.00	0.00	0.00	1.96	7.29	9.12	0.6096	1.9812	518.12	0.00	1.1565	
120	A	4800	X	3500	SEE SIGN-69	2	W8x21	BA	N/A	N/A	9.14	3.50	2.13	1.981	1.42	7.05	9.03	0.00	0.00	0.00	2.58	8.21	10.19	0.6096	2.1336	667.37	0.00	1.2454	



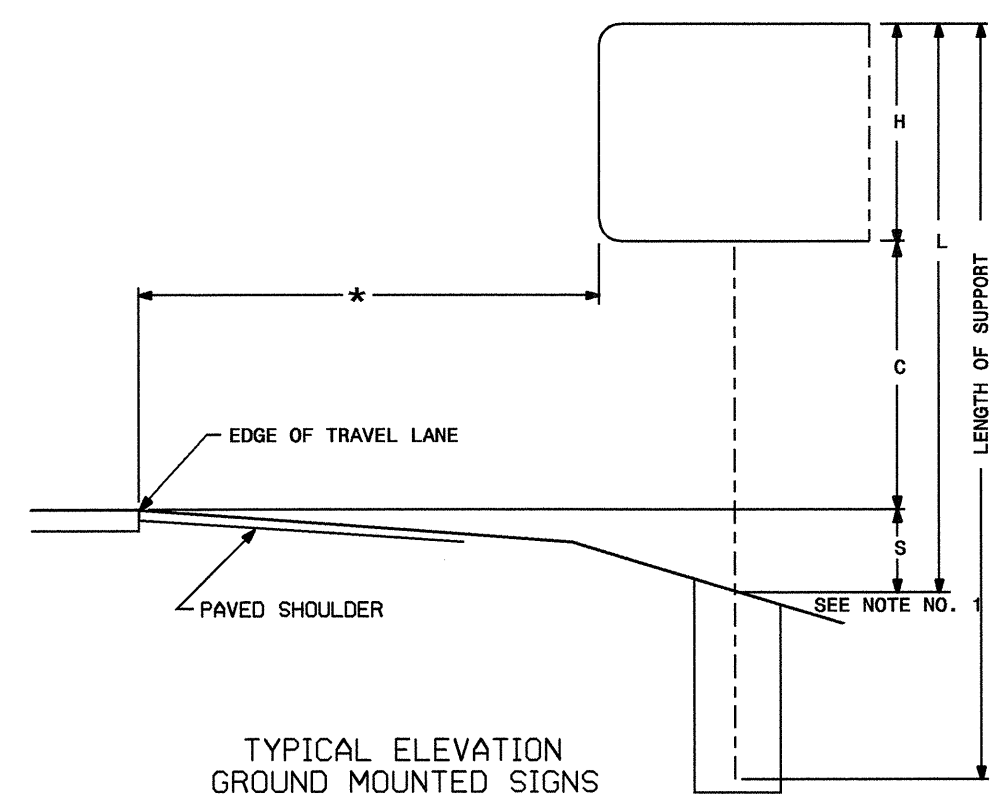
NOTES

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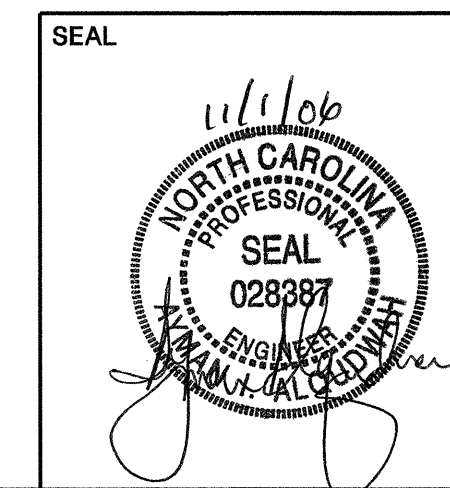
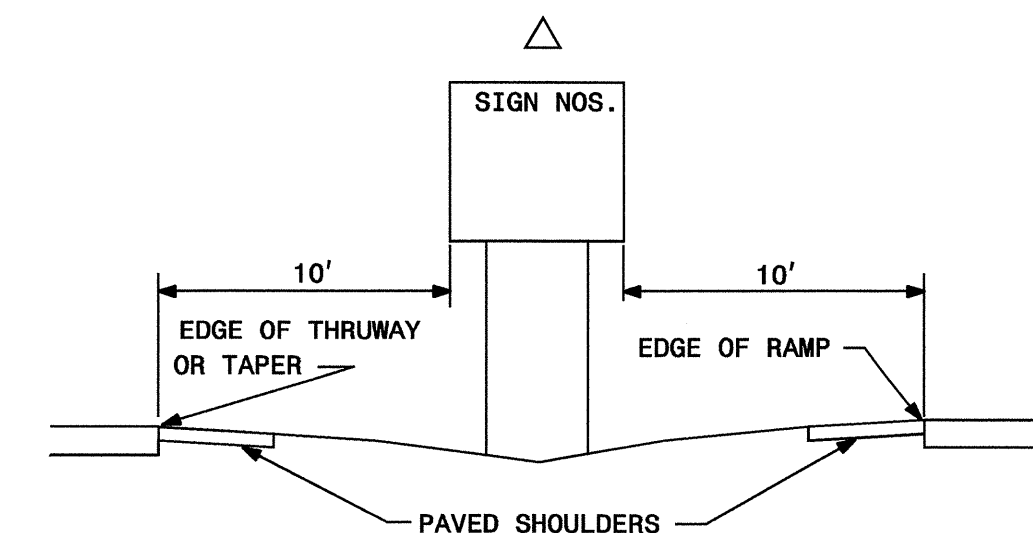
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT ENGR	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

121	A	4800 X 3500	SEE SIGN-69	2	W8x21	BA	N/A	N/A	9.14	3.50	2.13	1.981	1.82	7.45	9.43	0.00	0.00	0.00	2.58	8.21	10.19	0.6096	2.1336	679.87	0.00	1.2454
122	A	4800 X 3200	SEE SIGN-69	2	W8x18	BA	N/A	N/A	9.14	3.20	2.13	1.829	1.52	6.85	8.68	0.00	0.00	0.00	1.69	7.02	8.85	0.6096	1.9812	533.39	0.00	1.1565
123	A	2000 X 1900	SEE SIGN-49	2	S4x7.7	BA	N/A	N/A	9.14	1.90	2.13	1.219	0.76	4.80	6.01	0.00	0.00	0.00	0.84	4.87	6.09	0.3048	1.3716	157.11	0.00	0.2002
124	A	4100 X 1900	SEE SIGN-42	2	W6x9	BA	N/A	N/A	9.75	1.90	2.13	1.372	0.45	4.49	5.86	0.00	0.00	0.00	0.36	4.39	5.77	0.4572	1.524	184.31	0.00	0.5004
125	A	4100 X 1900	SEE SIGN-43	2	W6x9	BA	N/A	N/A	6.09	1.90	2.13	1.372	0.61	4.64	6.01	0.00	0.00	0.00	0.91	4.95	6.32	0.4572	1.524	193.81	0.00	0.5004
126	A	4100 X 1900	SEE SIGN-45	2	W6x9	BA	N/A	N/A	8.23	1.90	2.13	1.372	0.67	4.71	6.08	0.00	0.00	0.00	0.61	4.64	6.02	0.4572	1.524	190.59	0.00	0.5004
127	A	4100 X 1900	SEE SIGN-46	2	W6x9	BA	N/A	N/A	10.36	1.90	2.13	1.372	0.62	4.65	6.03	0.00	0.00	0.00	0.55	4.58	5.96	0.4572	1.524	189.09	0.00	0.5004
128	A	4100 X 1900	SEE SIGN-47	2	W6x9	BA	N/A	N/A	6.09	1.90	2.13	1.372	0.55	4.58	5.96	0.00	0.00	0.00	0.50	4.53	5.91	0.4572	1.524	187.48	0.00	0.5004
129	A	4100 X 1900	SEE SIGN-45	2	W6x9	BA	N/A	N/A	10.97	1.90	2.13	1.372	0.62	4.65	6.03	0.00	0.00	0.00	0.54	4.57	5.95	0.4572	1.524	188.96	0.00	0.5004
130	A	4100 X 1900	SEE SIGN-44	2	W6x9	BA	N/A	N/A	9.75	1.90	2.13	1.372	0.67	4.70	6.08	0.00	0.00	0.00	0.62	4.65	6.03	0.4572	1.524	190.70	0.00	0.5004
131	A	4100 X 1900	SEE SIGN-43	2	W6x9	BA	N/A	N/A	10.06	1.90	2.13	1.372	0.60	4.63	6.01	0.00	0.00	0.00	0.55	4.58	5.96	0.4572	1.524	188.82	0.00	0.5004
201	A	2000 X 1500	SEE SIGN-42	2	S3x5.7	BA	N/A	N/A	3.05	1.50	2.13	0	0.13	3.76	3.76	0.00	0.00	0.00	0.13	3.76	3.76	0.4572	1.0668	63.85	0.00	0.3503
202	A	2000 X 1500	SEE SIGN-43	2	S3x5.7	BA	N/A	N/A	3.05	1.50	2.13	0	0.14	3.77	3.77	0.00	0.00	0.00	0.14	3.77	3.77	0.4572	1.0668	64.02	0.00	0.3503
203	A	2000 X 1500	SEE SIGN-43	2	S3x5.7	BA	N/A	N/A	3.05	1.50	2.13	0	0.19	3.82	3.82	0.00	0.00	0.00	0.19	3.82	3.82	0.4572	1.0668	64.87	0.00	0.3503
204	A	2000 X 1500	SEE SIGN-44	2	S3x5.7	BA	N/A	N/A	3.05	1.50	2.13	0	0.13	3.76	3.76	0.00	0.00	0.00	0.13	3.76	3.76	0.4572	1.0668	63.85	0.00	0.3503
205	A	2000 X 1500	SEE SIGN-45	2	S3x5.7	BA	N/A	N/A	3.05	1.50	2.13	0	0.11	3.74	3.74	0.00	0.00	0.00	0.11	3.74	3.74	0.4572	1.0668	63.51	0.00	0.3503
206	A	2000 X 1500	SEE SIGN-46	2	S3x5.7	BA	N/A	N/A	3.05	1.50	2.13	0	0.16	3.79	3.79	0.00	0.00	0.00	0.16	3.79	3.79	0.4572	1.0668	64.36	0.00	0.3503
207	A	2000 X 1500	SEE SIGN-46	2	S3x5.7	BA	N/A	N/A	3.05	1.50	2.13	0	0.12	3.75	3.75	0.00	0.00	0.00	0.12	3.75	3.75	0.4572	1.0668	63.68	0.00	0.3503
208	A	2000 X 1500	SEE SIGN-48	2	S3x5.7	BA	N/A	N/A	3.05	1.50	2.13	0	0.10	3.73	3.73	0.00	0.00	0.00	0.10	3.73	3.73	0.4572	1.0668	63.34	0.00	0.3503
209	A	2000 X 1500	SEE SIGN-48	2	S3x5.7	BA	N/A	N/A	3.05	1.50	2.13	0	0.10	3.73	3.73	0.00	0.00	0.00	0.10	3.73	3.73	0.4572	1.0668	63.34	0.00	0.3503



NOTES

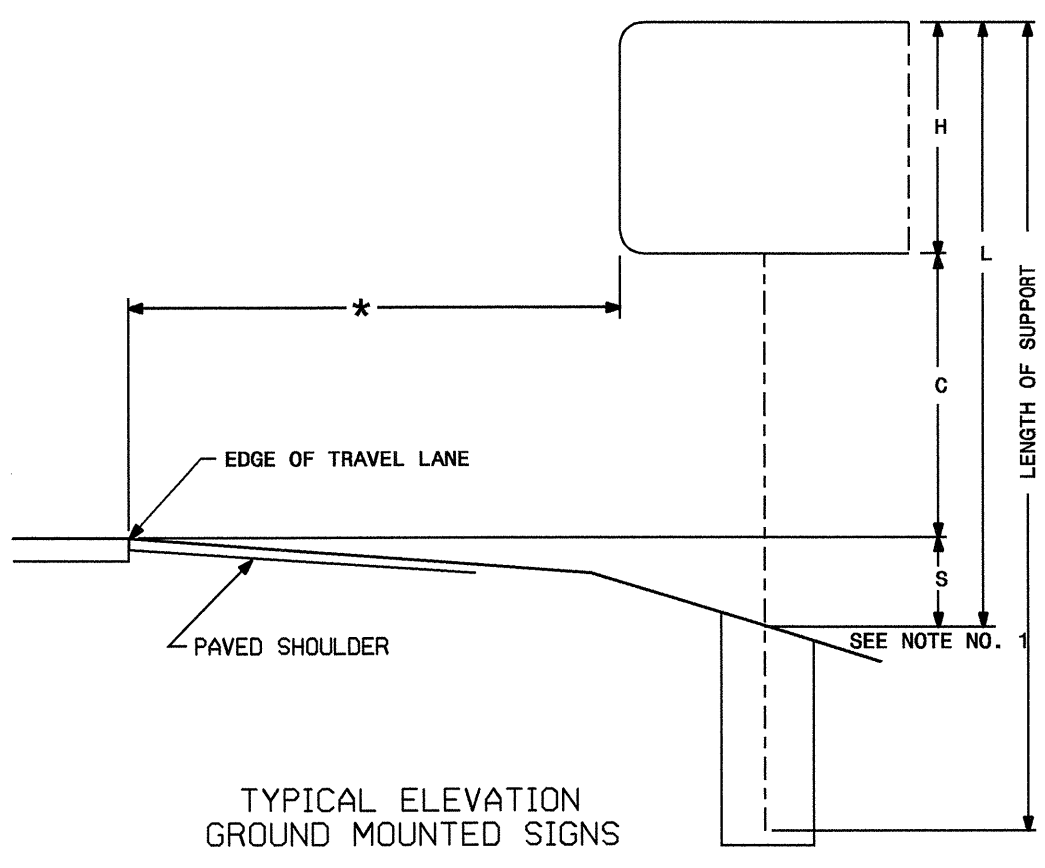
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DATE	MAY 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
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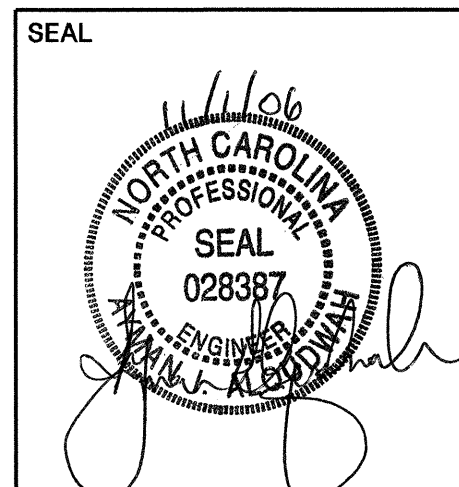
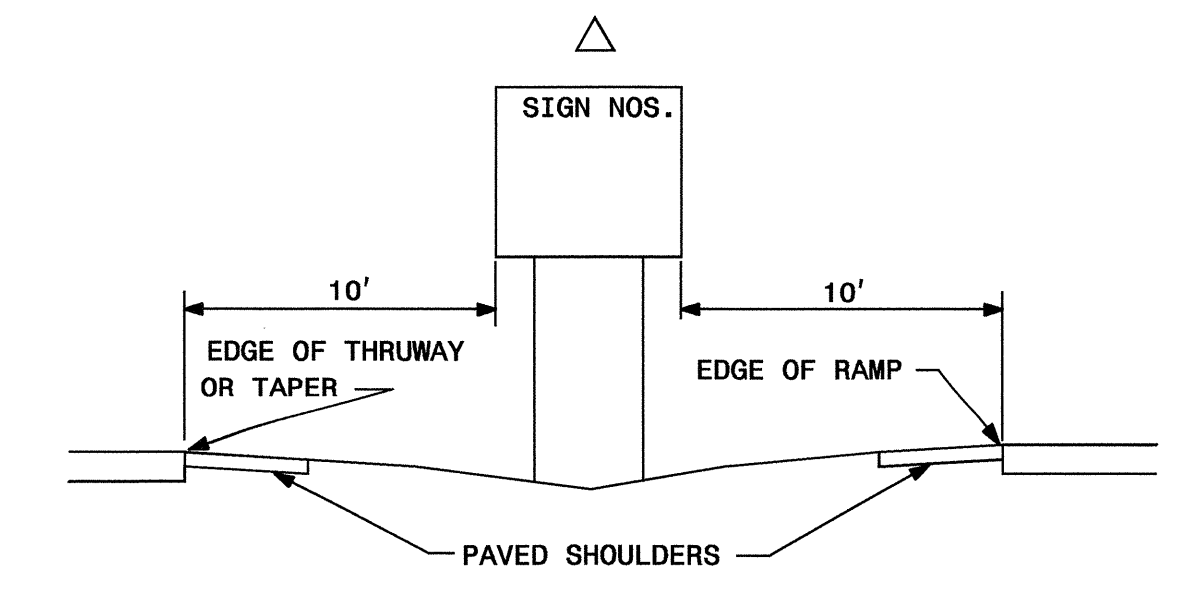
210	A	2500 X 1500	SEE SIGN-63	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.09	3.72	4.79	0.00	0.00	0.00	0.09	3.72	4.79	0.3048	1.2192	97.39	0.00	0.1779	
211	A	2500 X 1500	SEE SIGN-65	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.19	3.82	4.89	0.00	0.00	0.00	0.19	3.82	4.89	0.3048	1.2192	99.08	0.00	0.1779	
212	A	2500 X 1500	44+85 (L)	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.19	3.82	4.89	0.00	0.00	0.00	0.19	3.82	4.89	0.3048	1.2192	99.08	0.00	0.1779	
213	A	2500 X 1500	23+85 (Y6)	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.10	3.73	4.80	0.00	0.00	0.00	0.10	3.73	4.80	0.3048	1.2192	97.56	0.00	0.1779	
214	A	2500 X 1500	51+10 (L)	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.12	3.75	4.82	0.00	0.00	0.00	0.12	3.75	4.82	0.3048	1.2192	97.90	0.00	0.1779	
215	A	2500 X 1500	28+10 (Y6)	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.13	3.76	4.83	0.00	0.00	0.00	0.13	3.76	4.83	0.3048	1.2192	98.07	0.00	0.1779	
216	A	2500 X 1500	30+13 (Y6)	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.10	3.73	4.80	0.00	0.00	0.00	0.10	3.73	4.80	0.3048	1.2192	97.56	0.00	0.1779	
217	A	2500 X 1500	26+00 (Y6)	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.10	3.73	4.80	0.00	0.00	0.00	0.10	3.73	4.80	0.3048	1.2192	97.56	0.00	0.1779	
218	A	1800 X 1500	11+20 RAMP	C	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.12	3.75	4.82	0.00	0.00	0.00	0.12	3.75	4.82	0.3048	1.2192	97.90	0.00	0.1779
219	A	2500 X 1500	57+20 (L)	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.11	3.74	4.81	0.00	0.00	0.00	0.11	3.74	4.81	0.3048	1.2192	97.73	0.00	0.1779	
220	A	2500 X 1500	37+30 (Y6)	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.12	3.75	4.82	0.00	0.00	0.00	0.13	3.76	4.83	0.3048	1.2192	97.98	0.00	0.1779	
221	A	2500 X 1500	40+80 (Y6)	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.14	3.77	4.84	0.00	0.00	0.00	0.13	3.76	4.83	0.3048	1.2192	98.15	0.00	0.1779	
222	A	2200 X 1500	18+20 (Y6)	2	S3x5.7	BA	N/A	N/A	9.14	1.50	2.13	1.067	0.14	3.77	4.84	0.00	0.00	0.00	0.14	3.77	4.84	0.3048	1.2192	98.23	0.00	0.1779	
901	A	4600 X 3100	800' from MM	2	W6x16	BA	N/A	N/A	9.14	3.10	2.68	1.829	-0.55	5.23	7.06	0.00	0.00	0.00	-0.14	5.64	7.47	0.4572	1.9812	388.98	0.00	0.6505	
902	A	4600 X 1900	31+50 (Y6)	2	W6x9	BA	N/A	N/A	9.14	1.90	2.13	1.524	0.56	4.59	6.12	0.00	0.00	0.00	0.89	4.92	6.45	0.4572	1.6764	196.92	0.00	0.5504	
903	A	3900 X 1200	31+07 (Y6)	2	S4x7.7	BA	N/A	N/A	9.14	1.20	2.13	1.372	0.86	4.19	5.57	0.00	0.00	0.00	1.03	4.36	5.74	0.3048	1.524	147.91	0.00	0.2224	
904	A	2300 X 1900	26+55 (Y6)	2	S4x7.7	BA	N/A	N/A	9.14	1.90	2.13	1.372	1.02	5.05	6.43	0.00	0.00	0.00	1.46	5.49	6.87	0.3048	1.524	170.71	0.00	0.2224	

	TOTAL	TOTAL	TOTAL
	10938.87	3535.97	33.4323
USE:	10939	3536	34

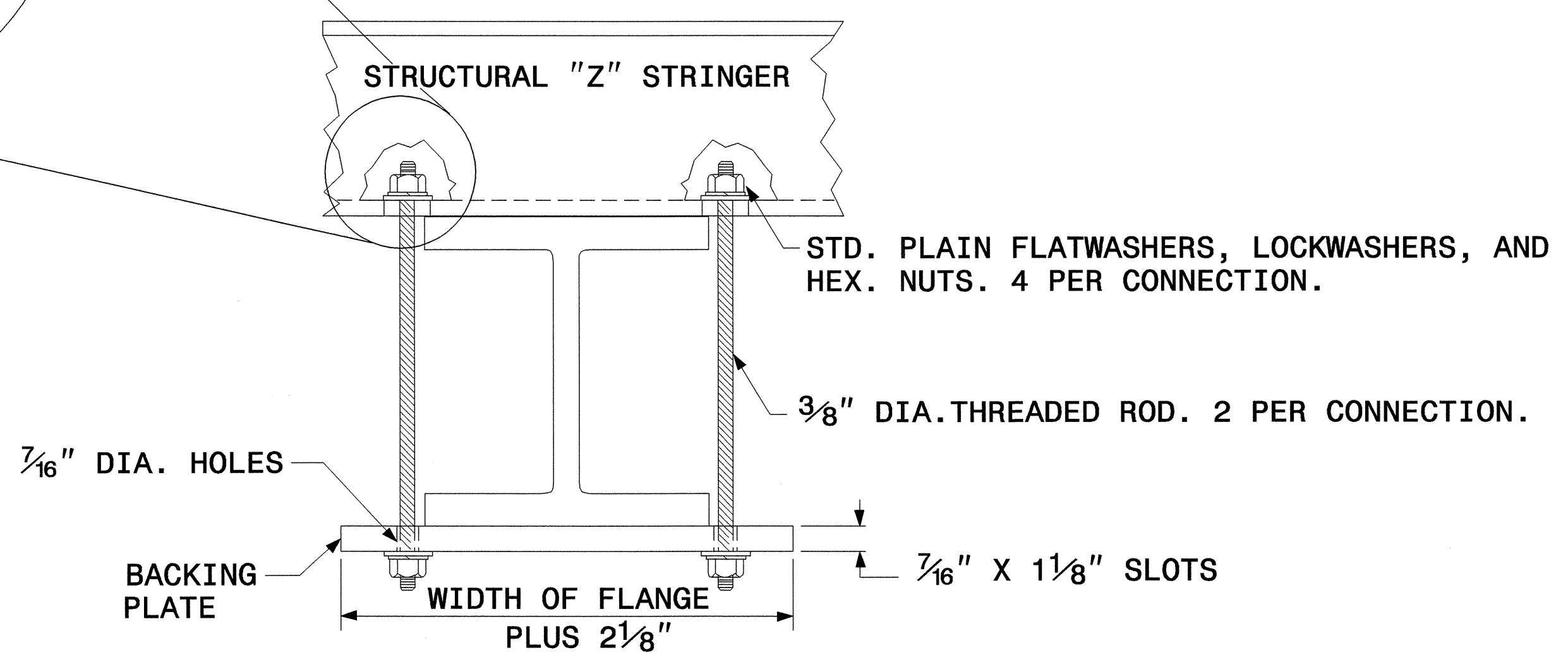
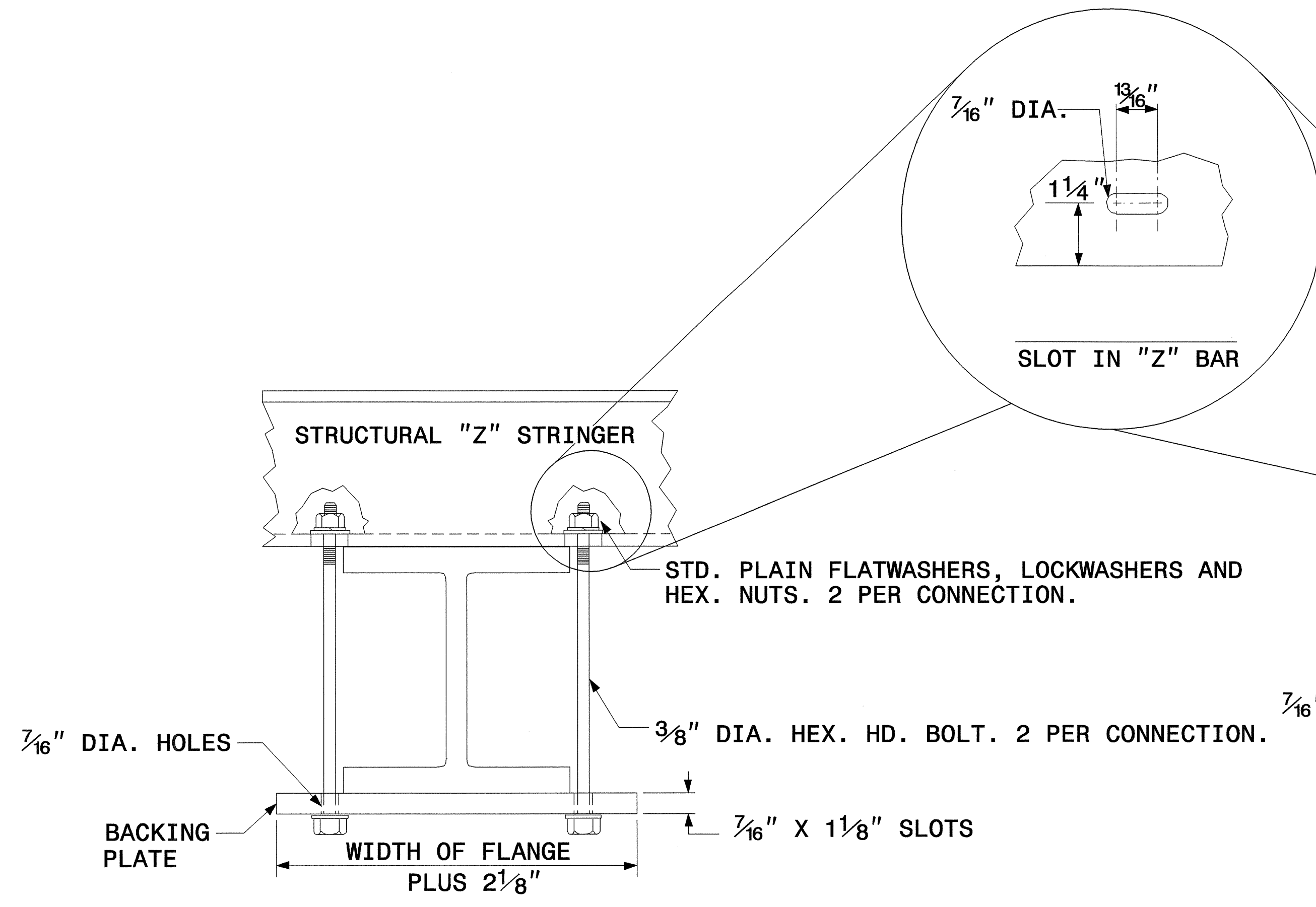


NOTES

- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
- PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.



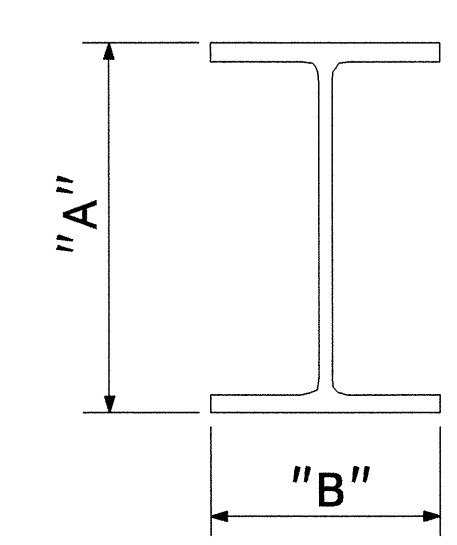
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



SUPPORT MOUNTING DETAIL

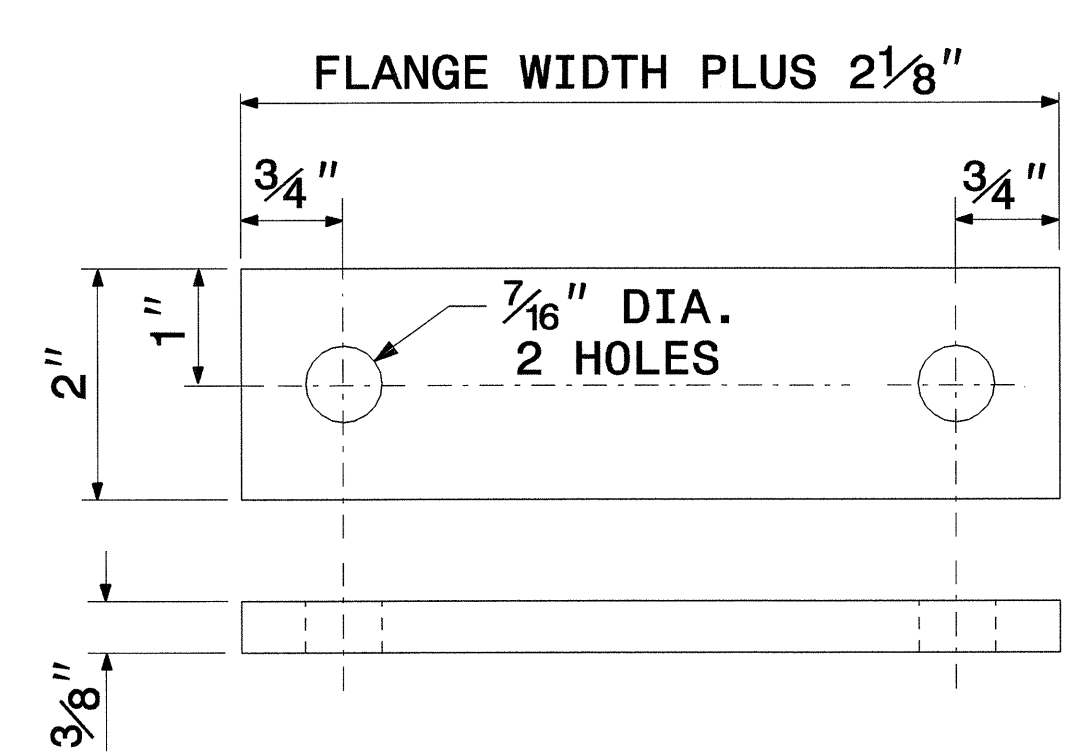
ALTERNATIVE SUPPORT MOUNTING DETAIL

SIGN SUPPORTS SECTION DIMENSIONS

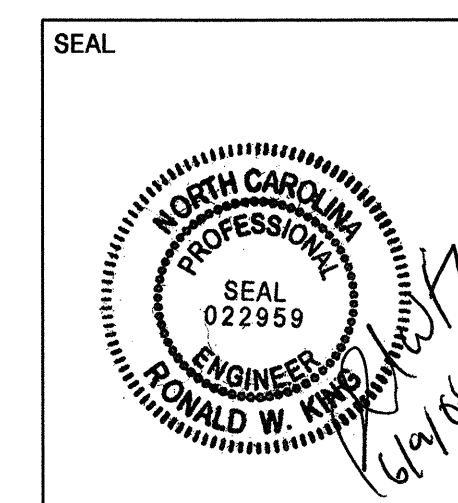


SECTION	A	B
S3 X 5.7	3"	2 3/8"
S4 X 7.7	4"	2 5/8"
W6 X 9	6"	4"
W6 X 12	6"	4"
W6 X 16	6 1/4"	4"
W8 X 18	8 1/8"	5 1/4"
W8 X 21	8 1/4"	5 1/4"
W10 X 22	10 1/8"	5 3/4"
W10 X 26	10 3/8"	5 3/4"
W12 X 26	12 1/4"	6 1/2"
W14 X 30	13 7/8"	6 3/4"
W16 X 31	15 7/8"	5 1/2"
W18 X 35	17 3/4"	6"
W18 X 40	17 7/8"	6"
W21 X 44	20 5/8"	6 1/2"

BACKING PLATE DETAIL

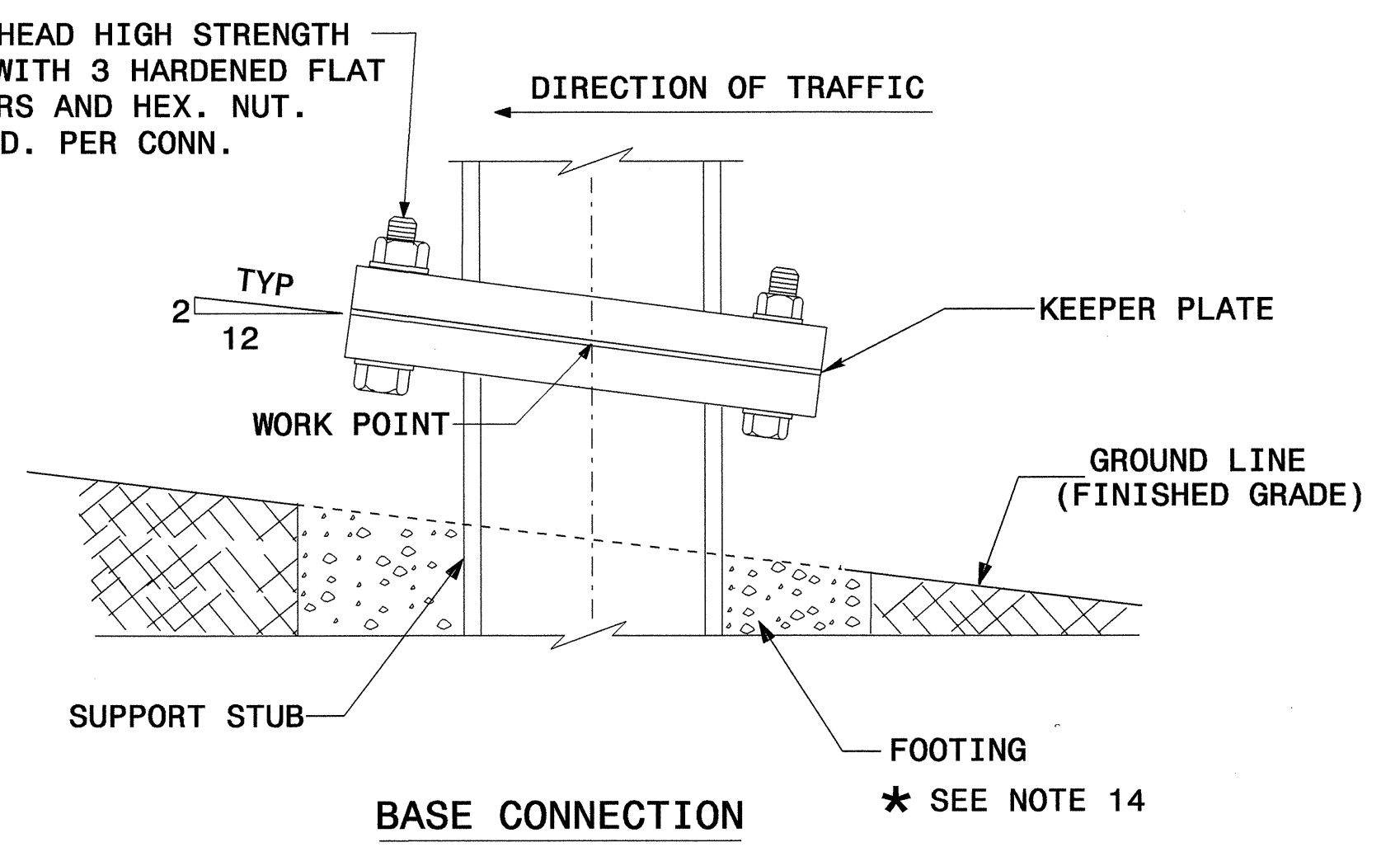
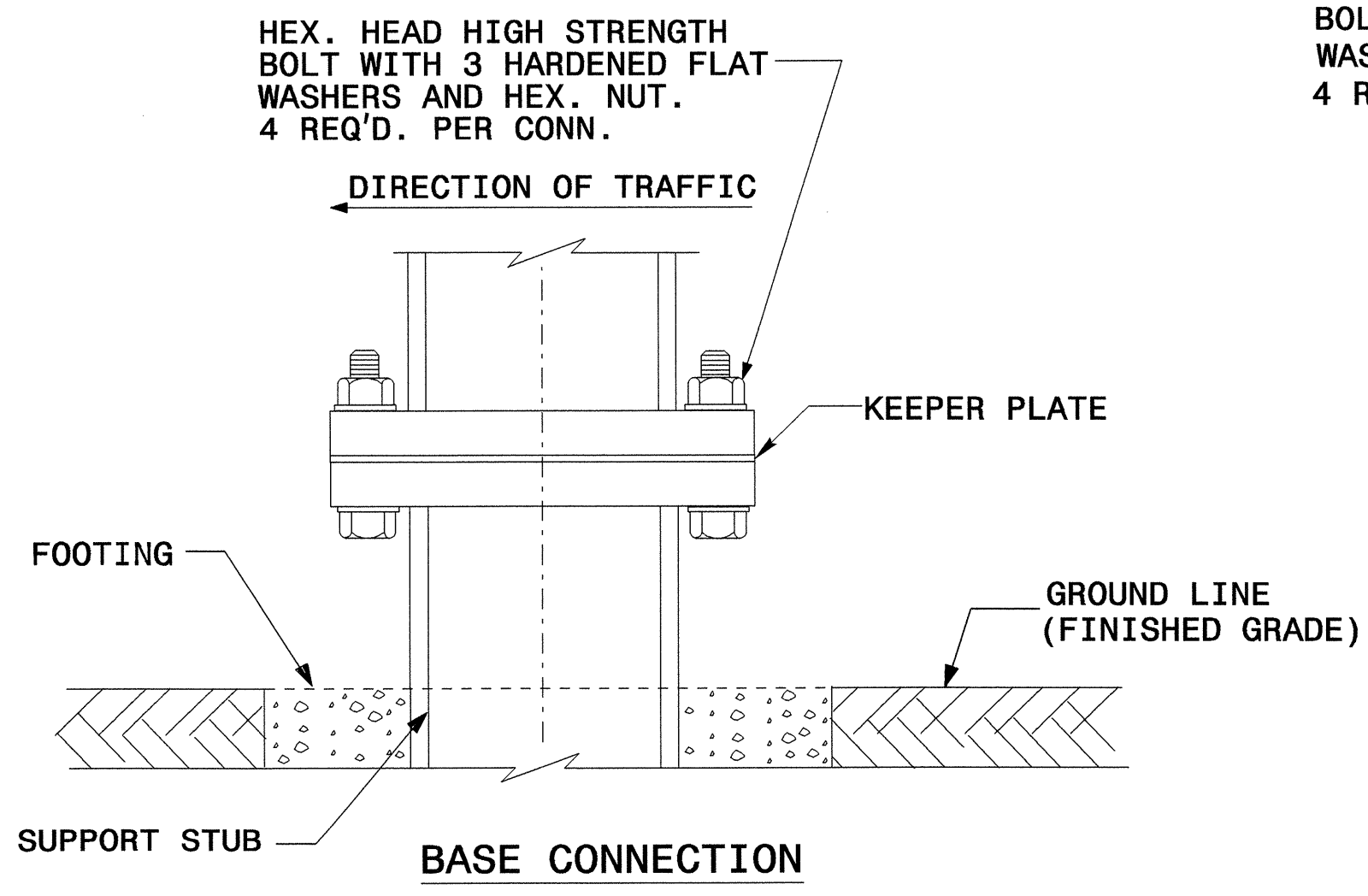
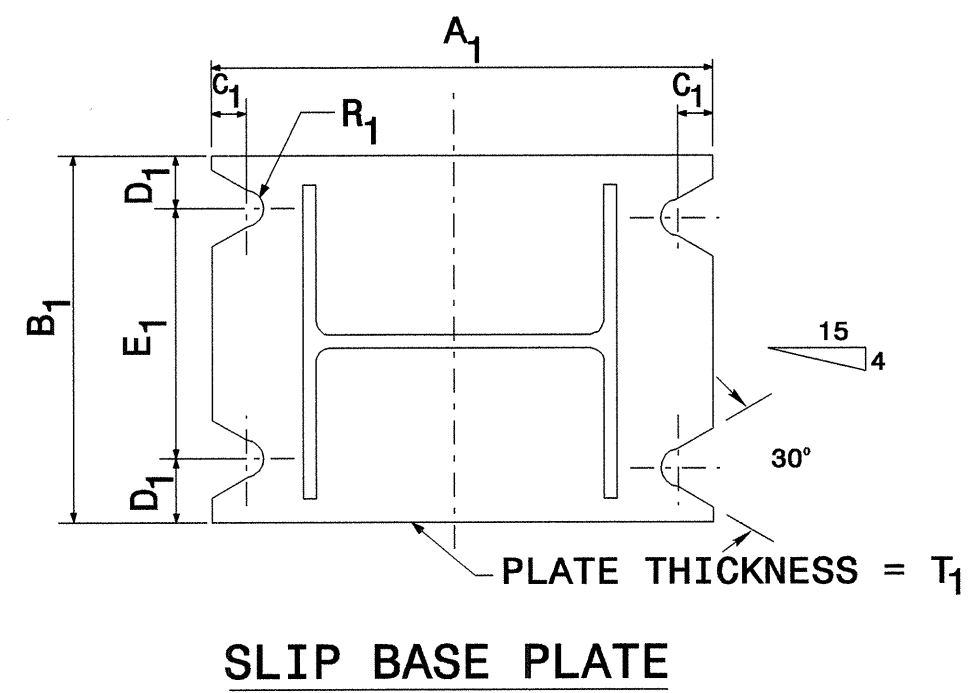
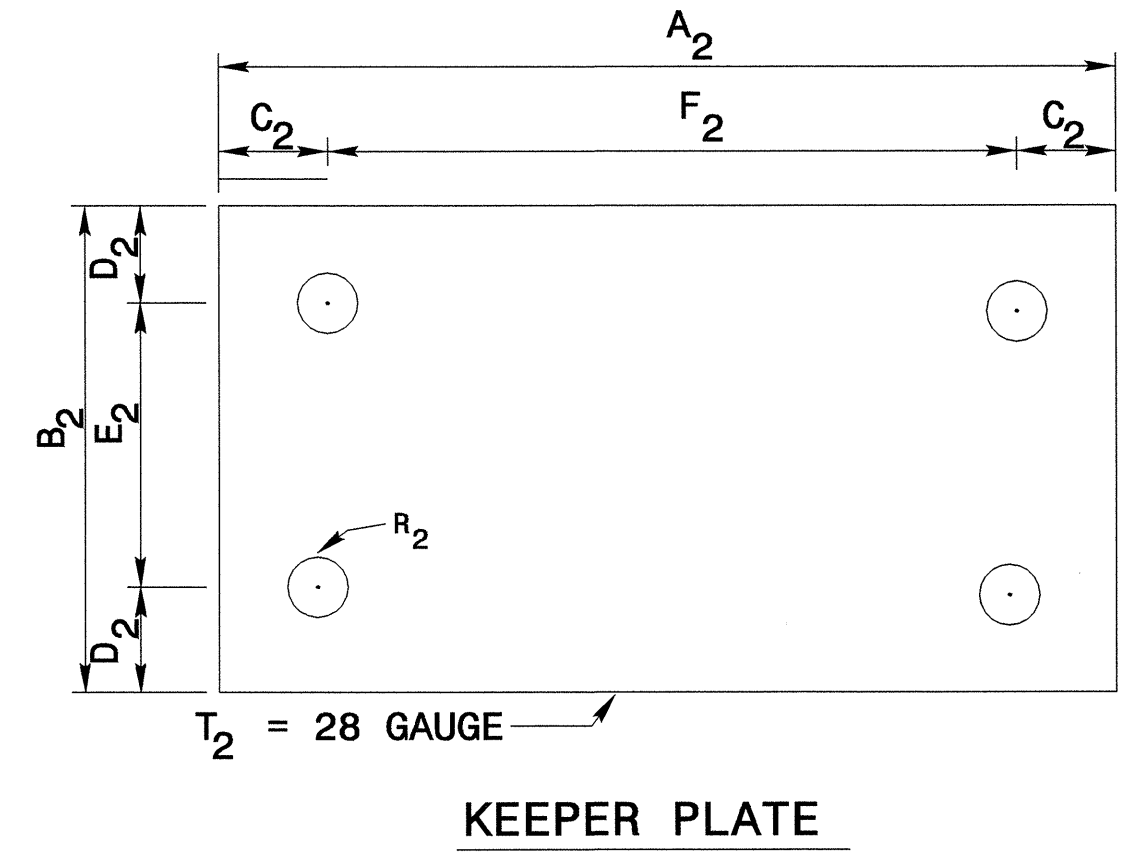
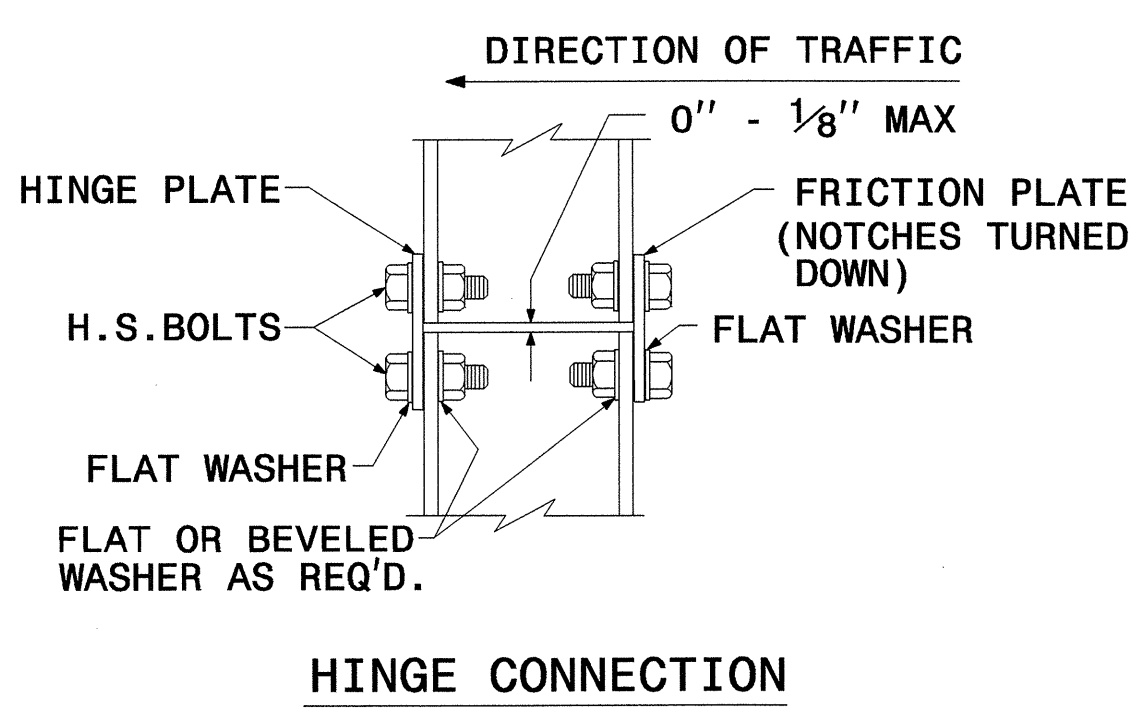
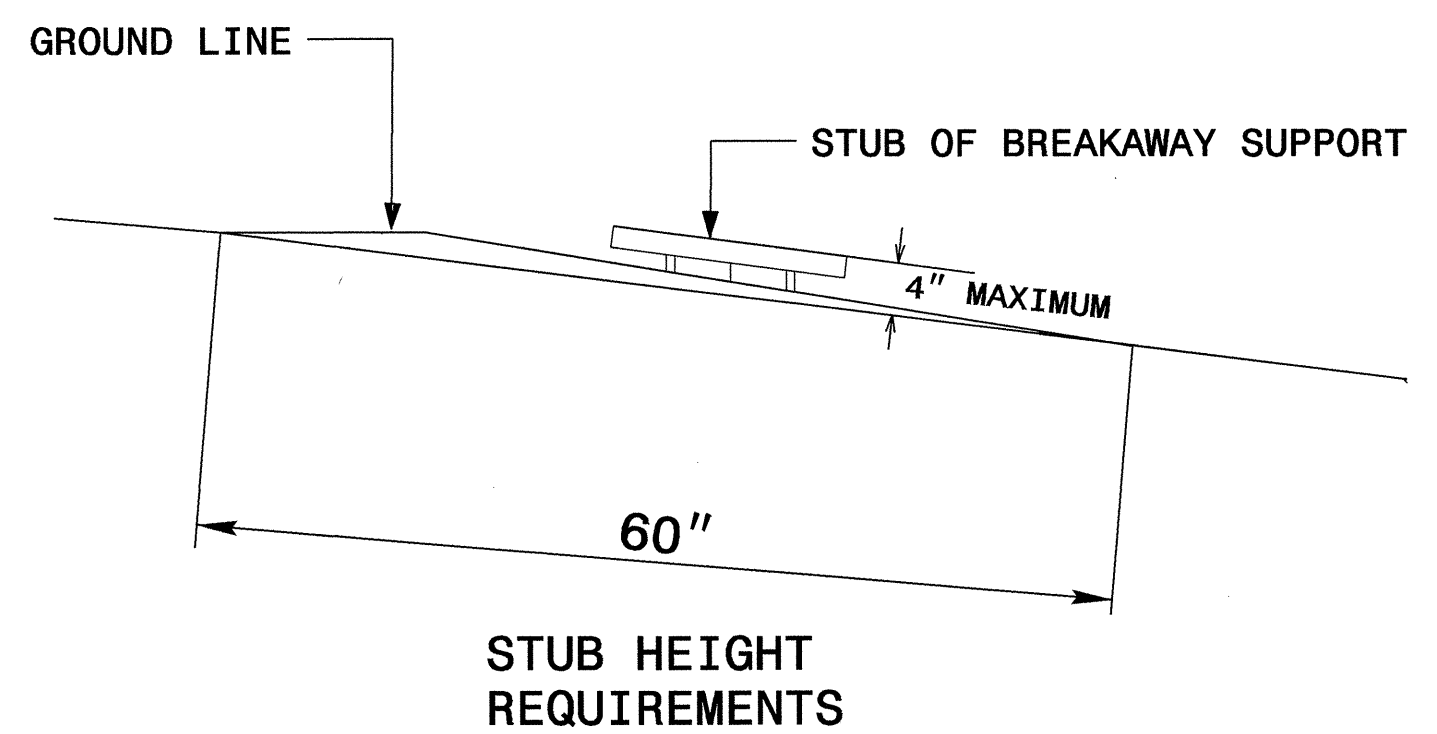
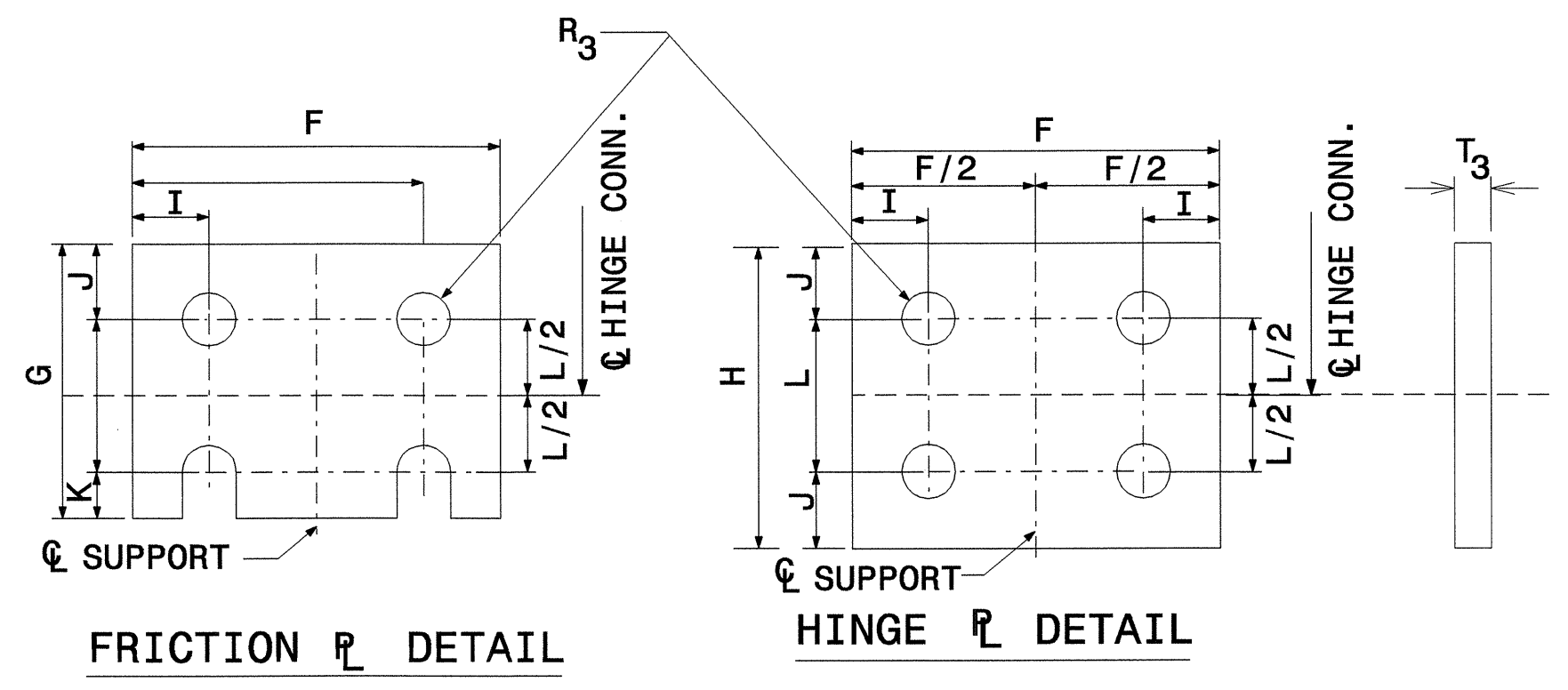
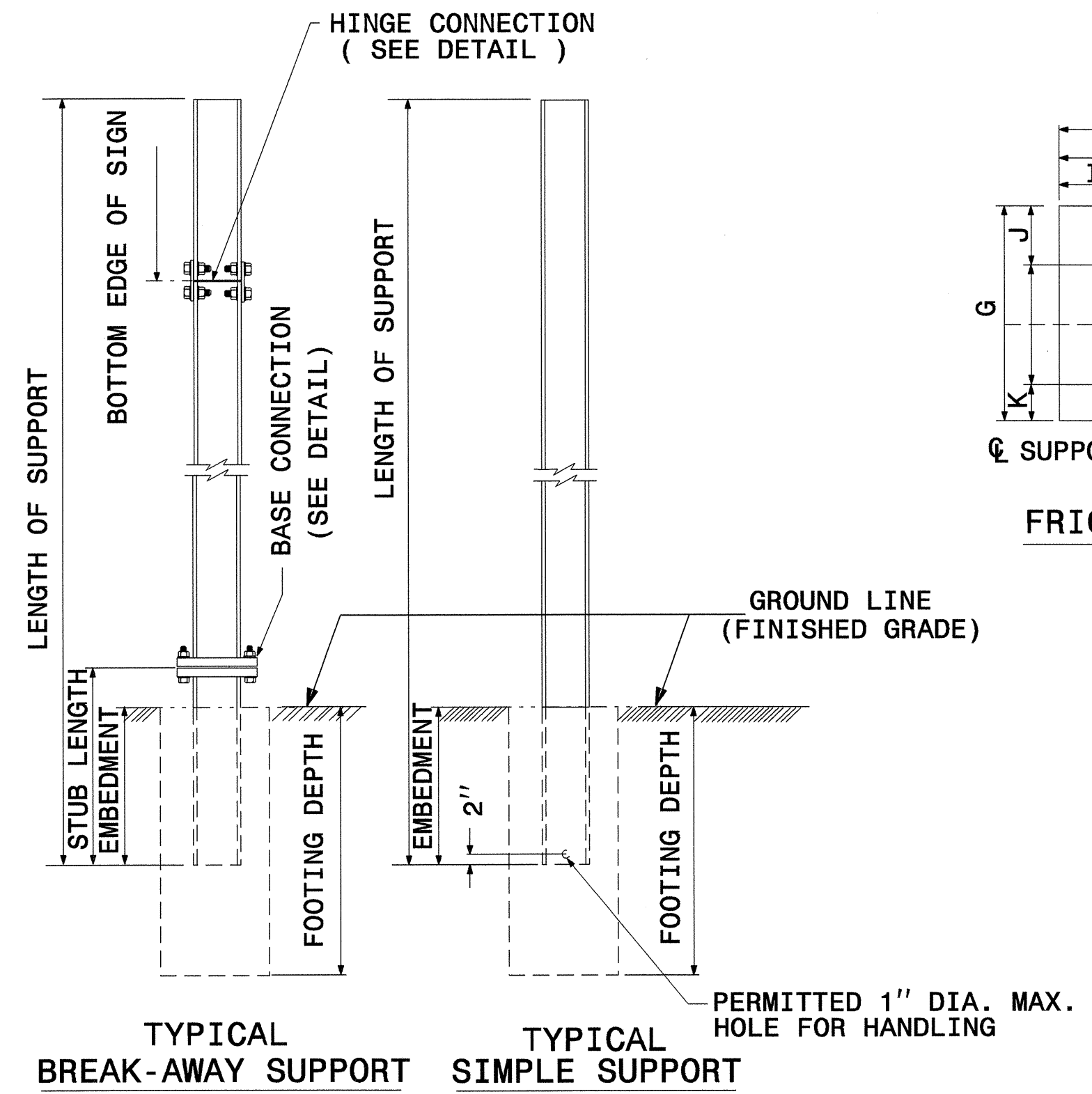


1. THE SUPPORT MOUNTING DETAIL SHOWS A "W" OR "S" BEAM. THIS DETAIL IS ALSO USED FOR MOUNTING SIGNS TO WOOD OR SQUARE TUBE SUPPORTS.
2. USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS IN ACCORDANCE WITH ASTM A123.
3. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR TYPE OF MATERIAL TO BE USED FOR SIGN HANGER ASSEMBLIES AND SUPPORTS.
4. USE GALVANIZED STEEL FOR MOUNTING BOLTS AND THREADED RODS IN COMPLIANCE WITH ASTM A307 AND ASTM A153.

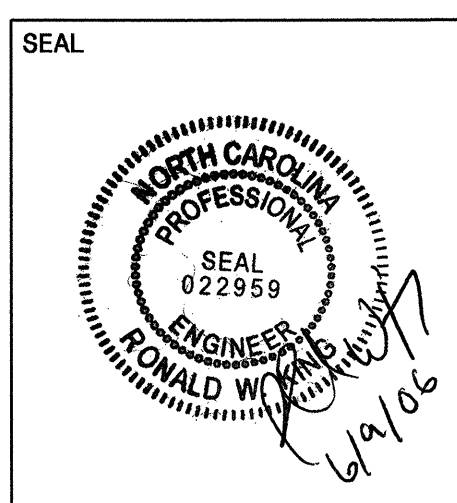


SIGN MOUNTING DETAILS

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



SEE SHEET SIGN-7 FOR DIMENSIONS.
SEE SHEET SIGN-8 FOR NOTES.

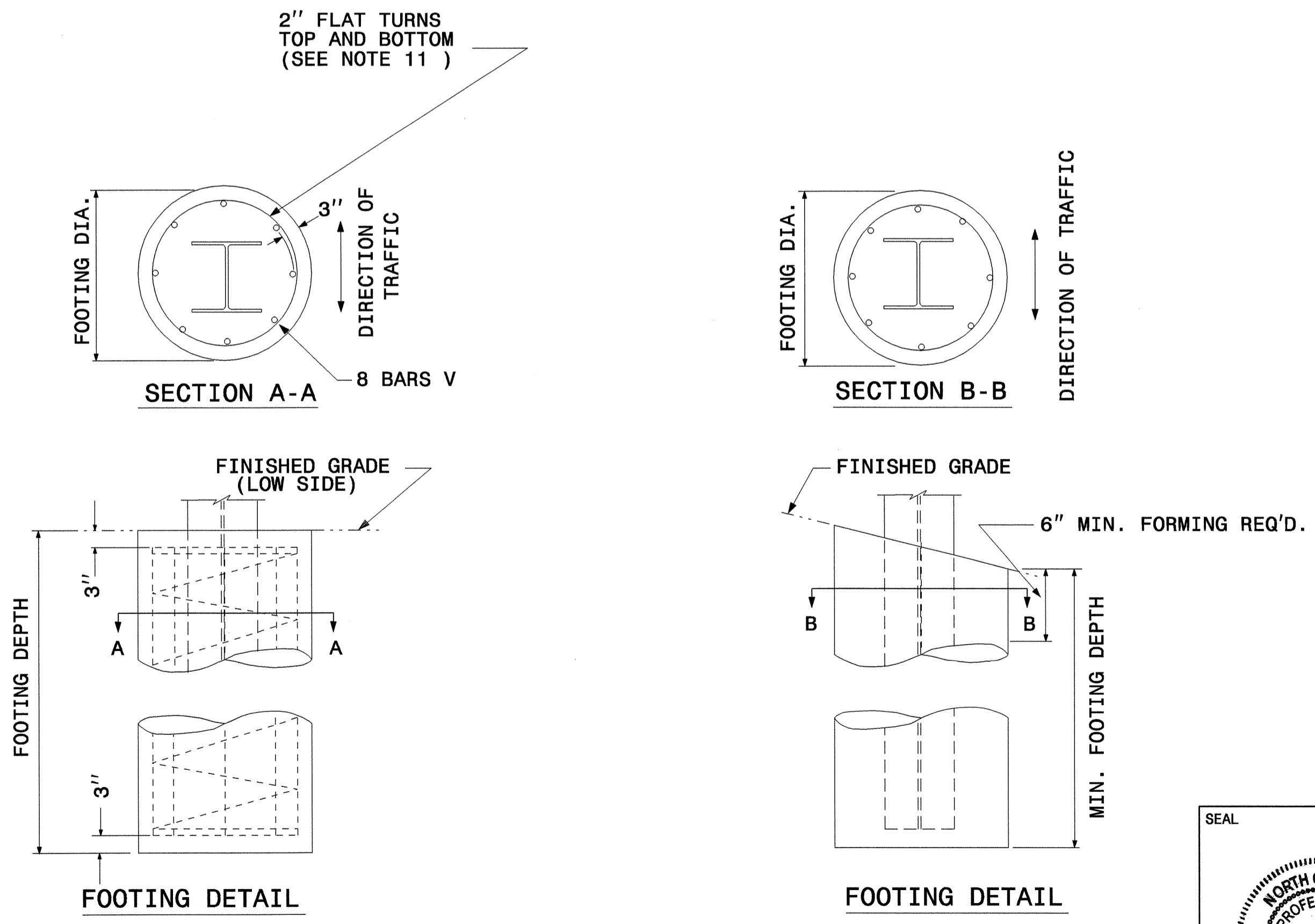


GROUND MOUNTED SIGN SUPPORT			
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

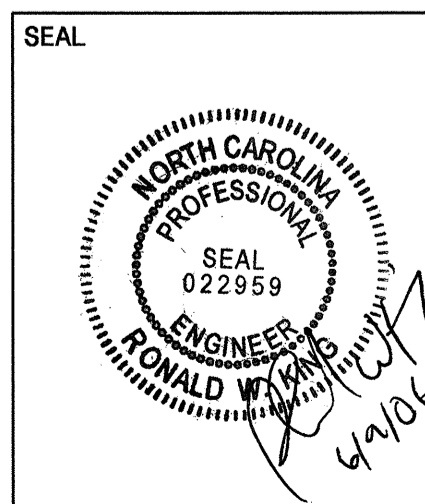
BEAM SHAPE	SLIP BASE PLATE DATA								KEEPER PLATE DATA								HINGE CONNECTION DATA								BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.	
	BOLT SIZE	A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K	L	R ₃		T ₃
S3X5.7	1/2"DIA. X3 1/2"	7"	4"	1"	3/4"	2 1/2"	1"	9/32"	7"	4"	1"	3/4"	2 1/2"	9/16"	28 GAUGE	1/2"DIA. X1 1/4"	2 1/4"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/16"	3/8"	18
S4X7.7	1/2"DIA. X3 1/2"	8"	4"	1"	3/4"	2 1/2"	1"	9/32"	8"	4"	1"	3/4"	2 1/2"	9/16"	28 GAUGE	1/2"DIA. X1 1/4"	2 5/8"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/16"	3/8"	20
W6X9	1/2"DIA. X3 1/2"	10"	5"	1"	3/4"	3 1/2"	1"	9/32"	10"	5"	1"	3/4"	3 1/2"	9/16"	28 GAUGE	1/2"DIA. X1 1/4"	4"	3 1/2"	4"	3/4"	1"	1/2"	2"	9/16"	3/8"	32
W6X12	3/4"DIA. X4 1/4"	10"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	11/32"	10"	5"	1 1/4"	7/8"	3 1/4"	1 1/16"	28 GAUGE	3/4"DIA. X2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/16"	3/8"	39
W6X16	3/4"DIA. X4 1/4"	10"	6"	1 1/4"	7/8"	4 1/4"	1 1/4"	11/32"	10"	6"	1 1/4"	7/8"	4 1/4"	1 1/16"	28 GAUGE	3/4"DIA. X2 1/2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/16"	1/2"	47
W8X18	3/4"DIA. X4 3/4"	12 1/2"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	11/32"	12 1/2"	6"	1 1/4"	7/8"	4 1/4"	1 1/16"	28 GAUGE	3/4"DIA. X2 1/2"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	1 1/16"	1/2"	70
W8X21	3/4"DIA. X4 3/4"	12 1/2"	6"	1 1/2"	1"	4"	1 1/2"	13/32"	12 1/2"	6"	1 1/2"	1"	4"	13/16"	28 GAUGE	3/4"DIA. X2 3/4"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/16"	1/2"	73
W10X22	3/4"DIA. X4 3/4"	16"	8"	1 1/2"	1"	6"	1 1/2"	13/32"	16"	8"	1 1/2"	1"	6"	13/16"	28 GAUGE	3/4"DIA. X2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/16"	1/2"	119
W10X26	3/4"DIA. X5 1/4"	16"	8"	1 1/2"	1"	6"	1 3/4"	13/32"	16"	8"	1 1/2"	1"	6"	13/16"	28 GAUGE	3/4"DIA. X2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/16"	5/8"	140
W12X26	3/4"DIA. X5 1/4"	18"	9"	1 1/2"	1"	7"	1 3/4"	13/32"	18"	9"	1 1/2"	1"	7"	13/16"	28 GAUGE	3/4"DIA. X2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/16"	5/8"	176
W14X30	1"DIA. X5 1/2"	18"	9"	2"	1 1/2"	6"	1 3/4"	17/32"	18"	9"	2"	1 1/2"	6"	1 1/16"	28 GAUGE	1"DIA. X3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	1 1/16"	5/8"	178
W16X31	1"DIA. X5 1/2"	21"	9"	2"	1 1/2"	6"	1 3/4"	17/32"	21"	9"	2"	1 1/2"	6"	1 1/16"	28 GAUGE	1"DIA. X3 1/4"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 1/16"	3/4"	205
W18X35	1"DIA. X5 1/2"	22"	9"	2"	1 1/2"	6"	1 3/4"	17/32"	22"	9"	2"	1 1/2"	6"	1 1/16"	28 GAUGE	1"DIA. X3 1/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 1/16"	3/4"	216
W18X40	1"DIA. X6 1/4"	23"	9"	2"	1 1/2"	6"	2"	17/32"	23"	9"	2"	1 1/2"	6"	1 1/16"	28 GAUGE	1"DIA. X3 3/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 1/16"	7/8"	257
W21X44	1"DIA. X6 1/4"	25"	9"	2"	1 1/2"	6"	2"	17/32"	25"	9"	2"	1 1/2"	6"	1 1/16"	28 GAUGE	1"DIA. X3 3/4"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 1/16"	7/8"	279

FOUNDATION DATA *		
FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR
1'	8 # 4 BARS	#3 BAR, 3" PITCH
1' 6"	8 # 6 BARS	#3 BAR, 3" PITCH
2'	8 # 7 BARS	#3 BAR, 3" PITCH
2' 6"	8 # 9 BARS	#3 BAR, 3" PITCH
3'	8 # 11 BARS	#3 BAR, 3" PITCH
3' 6"	8 # 12 BARS	#3 BAR, 3" PITCH
4'	8 # 14 BARS	#3 BAR, 3" PITCH

* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS



SEE SHEET SIGN-8 FOR NOTES.



GROUND MOUNTED SIGN SUPPORT			REVISIONS
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	
DATE	MAY 2006		
SIGNING DESIGN ENG	G. TERLIZZA		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

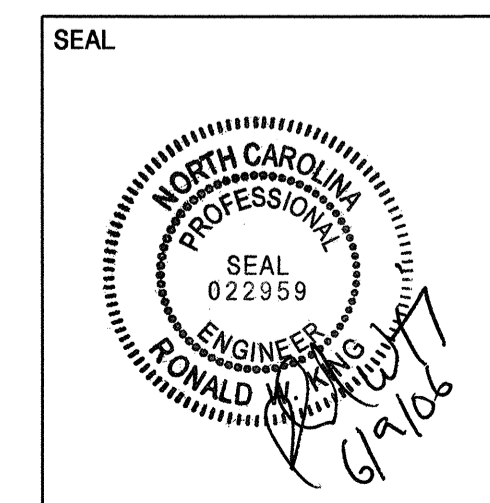
NOTES:

1. DESIGN CONFORMS WITH THE SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS - A.A.S.H.T.O.
2. USE MATERIALS, FABRICATE AND ERECT SIGNS AND SUPPORTS THAT CONFORM TO THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
3. USE HIGH STRENGTH BOLTS, NUTS AND WASHERS THAT CONFORM TO A.S.T.M. A-325 AND THAT ARE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-153.
4. USE BACKING PLATES, SLIP BASE PLATES, FRICTION PLATES, AND HINGE PLATES THAT CONFORM TO A.S.T.M. A-36 AND THAT ARE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-123 PRIOR TO GALVANIZING, GRIND SMOOTH ANY METAL PROJECTION BEYOND THE PLATE FACE. KEEPER PLATES SHALL BE MANUFACTURED FROM 28 GAUGE SHEET STEEL THAT CONFORMS TO A.S.T.M. A-36 AND IS GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-123
5. ASSEMBLE HINGE CONNECTIONS IN THE SHOP. SHOP TIGHTEN BOLTS BY USE OF EITHER A CALIBRATED POWER WRENCH OR A MANUAL TORQUE WRENCH. TIGHTEN EACH HINGE CONNECTION BOLT TO 1/3 PAST SNUG.
6. BASE PLATES DETAILS ARE FOR INSTALLATIONS ON THE RIGHT SHOULDER AND IN GORE AREAS.
7. ASSEMBLE UPPER SUPPORT TO STUB AS SHOWN IN DETAIL. SLIP BASE PLATES SHALL BE FILLET WELDED ONTO POSTS ALL AROUND THE STRUCTURAL SHAPE SO AS TO INSURE NO LOSS OF STRENGTH. ASSEMBLE IN EITHER SHOP OR FIELD. 28 GAUGE KEEPER PLATE IS PLACED BETWEEN SLIP BASE PLATES TO PREVENT BOLT SLIPPING. TIGHTEN BOLTS TO THE FOLLOWING PRESCRIBED TORQUE:

BOLT DIAMETER	TORQUE (LB. FT.)
1/2"	9
5/8"	22
3/8"	37
1"	48

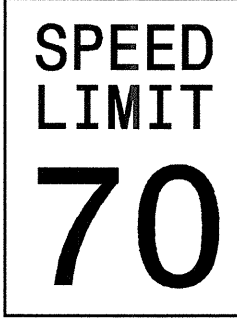
COMPLETELY ASSEMBLE B/A POSTS PRIOR TO ERECTION. B/A POST TO BE SET IN ONE PIECE. AFTER SUPPORT HAS BEEN ERECTED AND THE CONCRETE FOOTINGS HAS CURED AT LEAST 48 HRS., CLEAN CONCRETE FROM BASE CONNECTION BOLTS THEN LOOSEN AND RETIGHTEN EACH BOLT IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. DO NOT OVERTIGHTEN. BURR ALL BOLT THREADS OF BASE CONNECTIONS TO PREVENT LOOSENING.

8. USE REINFORCED FOOTINGS WITH DIMENSIONS AS SHOWN IN PLANS. WHERE SOLID ROCK IS ENCOUNTERED, THE ENGINEER DIRECTS WHETHER TO PLACE THE FOOTING AT THE PRESCRIBED DEPTH OR EXTEND IT AT LEAST TWO FEET INTO THE ROCK. CONSTRUCT ALL FOOTINGS OF CLASS A CONCRETE.
9. FORM TOP 6" OF FOOTINGS. ENGINEER APPROVES THE METHOD USED.
10. THE FINAL FLAT TURN OF SPIRAL OR HOOPS NO. 3 OR LARGER PLACED 3" FROM TOP AND BOTTOM OF FOOTING MAY BE WELDED TO VERTICAL REINFORCING BARS. NO OTHER WELDING WILL BE PERMITTED.
11. ELIMINATE HINGE CONNECTION FOR ALL SINGLE SUPPORT SIGNS.
12. DETAIL IS FOR ONE DIRECTION BREAKAWAY. WHEN PLANS REQUIRE A TWO DIRECTION BREAKAWAY, TWO FRICTION PLATES SHALL BE USED IN LIEU OF ONE FRICTION PLATE AND ONE HINGE PLATE.
13. SHAPE THE TOPS OF THE FOOTINGS TO CONFORM WITH FINISHED GROUND ELEVATIONS SUCH THAT WATER WILL NOT COLLECT AGAINST THE SUPPORTS.
14. IF THE GROUNDWATER IS ENCOUNTERED AT AN DEPTH SHALLOWER THAN 7 FEET, THE SIGN FOUNDATION MUST BE REDESIGNED BASED UPON THE ACTUAL FIELD CONDITIONS. THE FOUNDATION DESIGN DOES NOT APPLY TO VERY SOFT OR LOOSE SOIL, MUCK, WEATHERED ROCK, OR HARD ROCK.



GROUND MOUNTED SIGN SUPPORT			
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2006		
SIGNING DESIGN ENG	G. TERLIZZA		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		


401 QUANTITY REQ'D 4



1219 X 1524
R2-1

TWO "U" POSTS PER SIGN

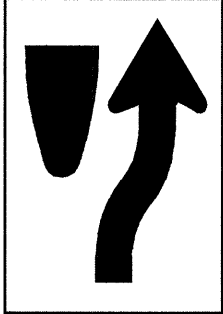
409 QUANTITY REQ'D 4



914 X 914
R1-1

ONE "U" POST PER SIGN


415 QUANTITY REQ'D 10



914 X 1219
R4-7

TWO "U" POSTS PER SIGN

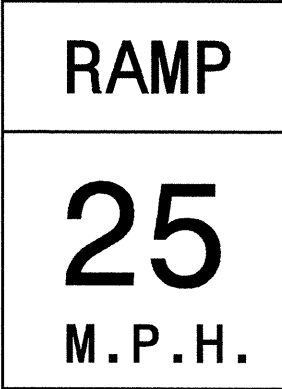
433 QUANTITY REQ'D 2



1219 X 1219
W9-2(R)

TWO "U" POSTS PER SIGN


451 QUANTITY REQ'D 3



1219 X 1524
W13-3

TWO "U" POSTS PER SIGN

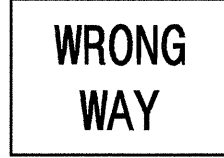
402 QUANTITY REQ'D 2



1219 X 1524
R2-1

TWO "U" POSTS PER SIGN

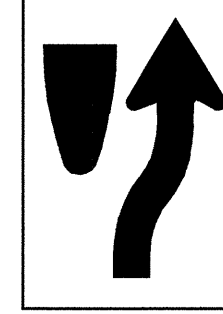
410 QUANTITY REQ'D 8



914 X 610
R5-1a

ONE "U" POST PER SIGN

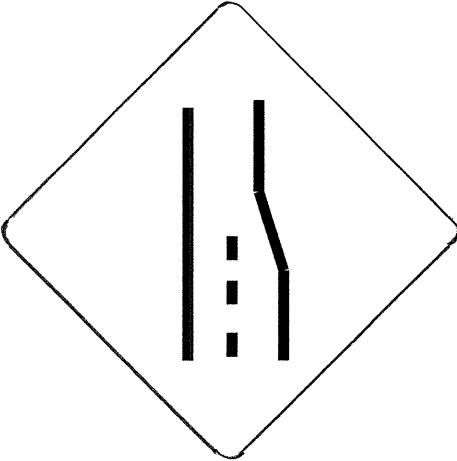
416 QUANTITY REQ'D 2



610 X 762
R4-7

ONE "U" POST PER SIGN

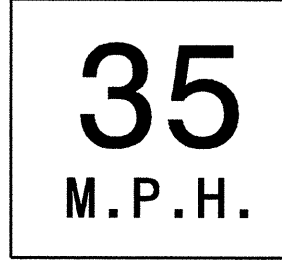
435 QUANTITY REQ'D 4



1219 X 1219
W4-2(R)

TWO "U" POSTS PER SIGN


462 QUANTITY REQ'D 4



610 X 610
W13-1

MOUNT BELOW SIGN 438
IN 4 INSTALLATIONS

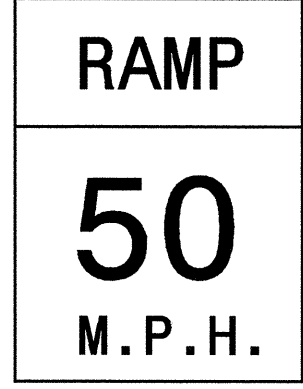
465 QUANTITY REQ'D 2



24 X 30
R2-5a

ONE "U" POST PER SIGN

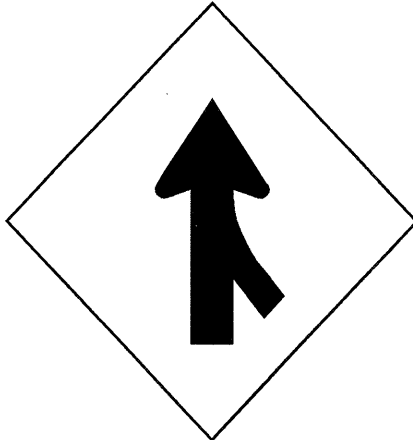
468 QUANTITY REQ'D 2



1219 X 1524
W13-3

TWO "U" POSTS PER SIGN


406 QUANTITY REQ'D 11



1219 X 1219
W4-1 (R)

TWO "U" POSTS PER SIGN

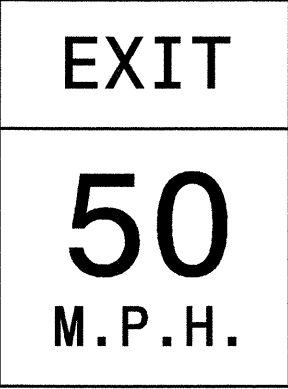
411 QUANTITY REQ'D 4



762 X 762
R5-1

ONE "U" POST PER SIGN

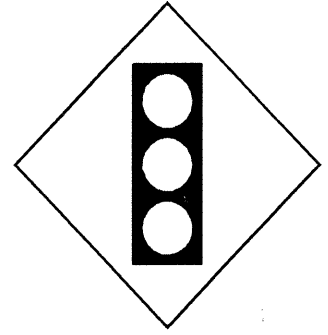
418 QUANTITY REQ'D 3



1219 X 1524
W13-2

TWO "U" POSTS PER SIGN

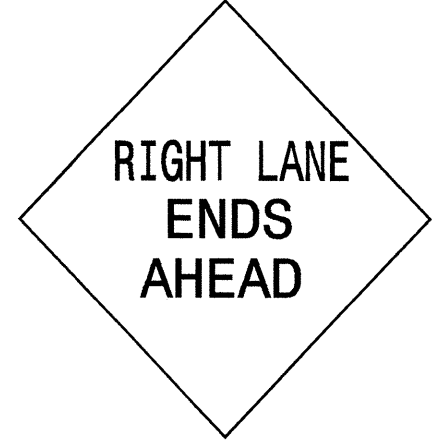
438 QUANTITY REQ'D 4



914 X 914
W3-3

ONE "U" POST PER SIGN

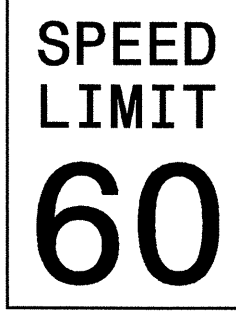
463 QUANTITY REQ'D 2



1219 X 1219
W19-10(R)

TWO "U" POSTS PER SIGN

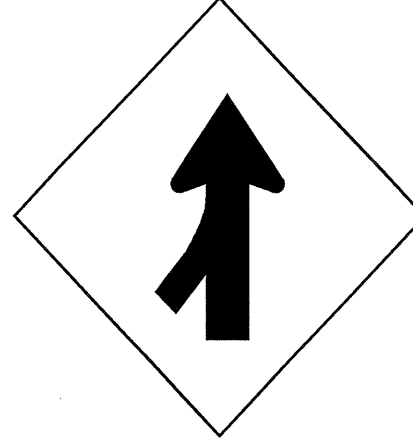
466 QUANTITY REQ'D 2



1219 X 1524
R2-1

TWO "U" POSTS PER SIGN


407 QUANTITY REQ'D 1



1219 X 1219
W4-1 (L)

TWO "U" POSTS PER SIGN

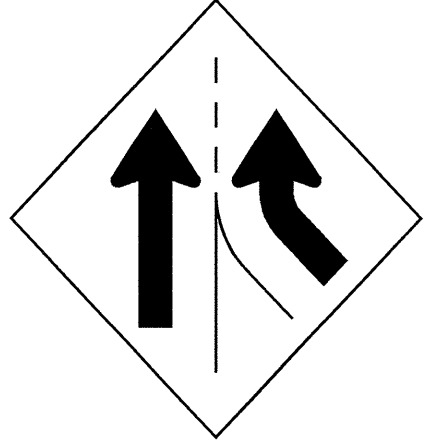
413 QUANTITY REQ'D 3



1372 X 457
R6-1 (R)

TWO "U" POSTS PER SIGN


422 QUANTITY REQ'D 1



1219 X 1219
W4-3(R)

TWO "U" POSTS PER SIGN


443 QUANTITY REQ'D 3



914 X 914
W1-2L

ONE "U" POST PER SIGN

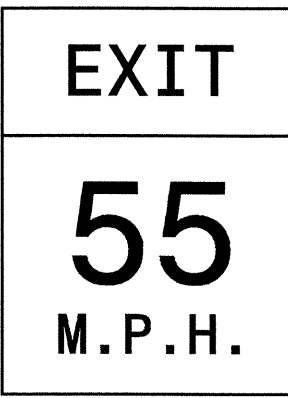
464 QUANTITY REQ'D 2



1219 X 1219
W19-10(R)

TWO "U" POSTS PER SIGN

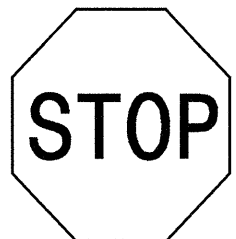
467 QUANTITY REQ'D 1



1219 X 1524
W13-2

TWO "U" POSTS PER SIGN

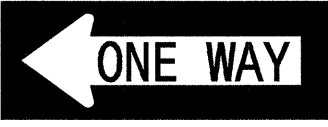
408 QUANTITY REQ'D 5



762 X 762
R1-1

ONE "U" POST PER SIGN

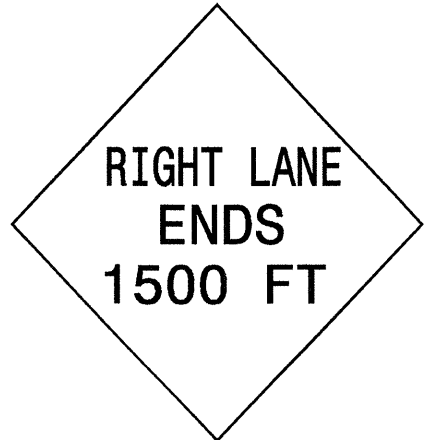
414 QUANTITY REQ'D 3



1372 X 457
R6-1 (L)

TWO "U" POSTS PER SIGN

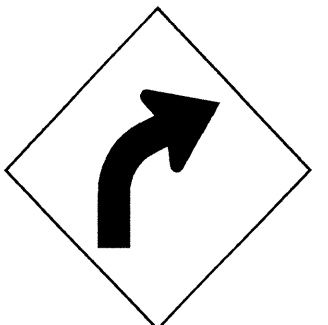
430 QUANTITY REQ'D 2



1219 X 1219
W19-10(R)

TWO "U" POSTS PER SIGN


444 QUANTITY REQ'D 3



914 X 914
W1-2R

ONE "U" POST PER SIGN

SEAL



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

TYPE "E" SIGNS

501 510 521		507 516 523 529		533 541 548 559 567		540		METRIC		TIP NO. R-0609IA	SHEET NO. SIGN-39		
NUMBERS: 501,510,521 NOT USED		EAST WEST 2 - 600mm x 300mm FUTURE FUTURE 2 - 600mm x 600mm SOUTH NORTH 2 - 600mm x 300mm 311 311 2 - 600mm x 600mm ↑ → 2 - 525mm x 375mm TWO "U" POSTS PER SIGN		EAST 1 - 600mm x 300mm INTERSTATE 74 1 - 600mm x 600mm ← 1 - 525mm x 375mm ONE "U" POST PER SIGN		EAST WEST 2 - 600mm x 300mm INTERSTATE INTERSTATE 74 74 2 - 600mm x 600mm ← → 2 - 525mm x 375mm TWO "U" POSTS PER SIGN							
502 509 511 518 524 NUMBERS: 502,509,511,518,524 NOT USED		508 517 519 EAST SOUTH 2 - 600mm x 300mm FUTURE 74 311 2 - 600mm x 600mm ← ← 2 - 525mm x 375mm MOUNT BELOW SIGN NO. 302 MOUNT BELOW SIGN NO. 304 MOUNT BELOW SIGN NO. 305		534 537 576 WEST 1 - 600mm x 300mm INTERSTATE 74 1 - 600mm x 600mm ↑ 1 - 525mm x 375mm ONE "U" POST PER SIGN		542 553 562 WEST EAST 2 - 600mm x 300mm INTERSTATE INTERSTATE 74 74 2 - 600mm x 600mm ↑ → 2 - 525mm x 375mm TWO "U" POSTS PER SIGN		550 560 EAST 1 - 600mm x 300mm INTERSTATE 74 1 - 900mm x 900mm ONE "U" POST PER SIGN		565 WEST EAST 2 - 600mm x 300mm INTERSTATE INTERSTATE 74 74 2 - 600mm x 600mm ← ↑ 2 - 525mm x 375mm TWO "U" POSTS PER SIGN			
503 506 512 515 525 528 580 581 JCT JCT 2 - 525mm x 375mm FUTURE 74 311 2 - 600mm x 600mm TWO "U" POSTS PER SIGN		530 EAST SOUTH 2 - 600mm x 300mm FUTURE 74 311 2 - 600mm x 600mm → → 2 - 525mm x 375mm MOUNT BELOW SIGN NO. 308		535 539 545 549 552 556 561 568 578 579 JCT 1 - 525mm x 375mm INTERSTATE 74 1 - 600mm x 600mm ONE "U" POST PER SIGN		543 554 570 WEST 1 - 600mm x 300mm INTERSTATE 74 1 - 600mm x 600mm ← 1 - 525mm x 375mm ONE "U" POST PER SIGN		551 566 WEST 1 - 600mm x 300mm INTERSTATE 74 1 - 900mm x 900mm ONE "U" POST PER SIGN		569 WEST EAST 2 - 600mm x 300mm INTERSTATE INTERSTATE 74 74 2 - 600mm x 600mm ↑ → 2 - 525mm x 375mm SOUTH 311 1 - 600mm x 300mm → 1 - 525mm x 375mm TWO "U" POSTS PER SIGN			
504 513 520 526 WEST EAST 2 - 600mm x 300mm FUTURE FUTURE 74 74 2 - 600mm x 600mm NORTH SOUTH 2 - 600mm x 300mm 311 311 2 - 600mm x 600mm ↑ → 2 - 525mm x 375mm TWO "U" POSTS PER SIGN		531 EAST WEST 2 - 600mm x 300mm INTERSTATE INTERSTATE 74 74 2 - 600mm x 600mm ← → 2 - 525mm x 375mm TWO "U" POSTS PER SIGN		536 EAST 1 - 600mm x 300mm INTERSTATE 74 1 - 600mm x 600mm → 1 - 525mm x 375mm ONE "U" POST PER SIGN		546 557 EAST WEST 2 - 600mm x 300mm INTERSTATE INTERSTATE 74 74 2 - 600mm x 600mm ↑ → 2 - 525mm x 375mm TWO "U" POSTS PER SIGN		563 WEST 1 - 600mm x 300mm INTERSTATE 74 1 - 600mm x 600mm → 1 - 525mm x 375mm ONE "U" POST PER SIGN		571 EAST WEST 2 - 600mm x 300mm INTERSTATE INTERSTATE 74 74 2 - 600mm x 600mm ↑ → 2 - 525mm x 375mm SOUTH 311 1 - 600mm x 300mm ↑ 1 - 525mm x 375mm TWO "U" POSTS PER SIGN			
505 514 522 527 WEST NORTH 2 - 600mm x 300mm FUTURE 74 311 2 - 600mm x 600mm ← ← 2 - 525mm x 375mm MOUNT BELOW SIGN NO. 301 MOUNT BELOW SIGN NO. 303 MOUNT BELOW SIGN NO. 306 MOUNT BELOW SIGN NO. 307		532 EAST 1 - 600mm x 300mm INTERSTATE 74 1 - 600mm x 600mm ↑ 1 - 525mm x 375mm ONE "U" POST PER SIGN		538 544 555 573 577 WEST 1 - 600mm x 300mm INTERSTATE 74 1 - 600mm x 600mm ← 1 - 525mm x 375mm ONE "U" POST PER SIGN		547 558 EAST 1 - 600mm x 300mm INTERSTATE 74 1 - 600mm x 600mm ← 1 - 525mm x 375mm ONE "U" POST PER SIGN				SEAL 11/1/06 NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 028387 A. ALQUDWAH		"F" SIGNS SCALE: NONE DATE: APRIL 2006 SIGNING DESIGN ENG: S. JOHNS SIGNING PROJECT DGN ENG: K. JORDAN SIGNING PROJECT ENG: A. ALQUDWAH N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH REVISIONS	



572

EAST SOUTH 2 - 600mm x 300mm
 INTERSTATE 74 311 2 - 600mm x 600mm
 ← ← 2 - 525mm x 375mm

TWO "U" POSTS PER SIGN

585

NORTH SOUTH 2 - 600mm x 300mm
 311 311 2 - 600mm x 600mm
 ← → 2 - 525mm x 375mm

TWO "U" POSTS PER SIGN

591

SOUTH 1 - 600mm x 300mm
 INTERSTATE 85 1 - 600mm x 600mm
 ↙ 1 - 525mm x 375mm

ONE "U" POST PER SIGN

597

NORTH 1 - 600mm x 300mm
 INTERSTATE 85 1 - 600mm x 600mm
 ↙ 1 - 525mm x 375mm

ONE "U" POST PER SIGN

574 575

EAST SOUTH 2 - 600mm x 300mm
 INTERSTATE 74 311 2 - 600mm x 600mm
 ← ← 2 - 525mm x 375mm

MOUNT BELOW SIGN NO. 309
 MOUNT BELOW SIGN NO. 312

586

SOUTH NORTH 2 - 600mm x 300mm
 311 311 2 - 600mm x 600mm
 ← → 2 - 525mm x 375mm

TWO "U" POSTS PER SIGN

592

SOUTH 1 - 600mm x 300mm
 INTERSTATE 85 1 - 600mm x 600mm
 ← 1 - 525mm x 375mm

ONE "U" POST PER SIGN

598

NORTH 1 - 600mm x 300mm
 INTERSTATE 85 1 - 600mm x 600mm
 ← 1 - 525mm x 375mm

ONE "U" POST PER SIGN

582

NORTH 1 - 600mm x 300mm
 62 1 - 600mm x 600mm

ONE "U" POST PER SIGN

587

SOUTH 1 - 600mm x 300mm
 INTERSTATE 85 1 - 900mm x 900mm

ONE "U" POST PER SIGN

593

NORTH SOUTH 2 - 600mm x 300mm
 62 62 2 - 600mm x 600mm
 ← → 2 - 525mm x 375mm

TWO "U" POSTS PER SIGN

599

SOUTH NORTH 2 - 600mm x 300mm
 62 62 2 - 600mm x 600mm
 ← → 2 - 525mm x 375mm

TWO "U" POSTS PER SIGN

583

WEST NORTH 2 - 600mm x 300mm
 INTERSTATE 74 311 2 - 900mm x 900mm

TWO "U" POSTS PER SIGN

589 595

JCT 1 - 525mm x 375mm
 INTERSTATE 85 1 - 600mm x 600mm

ONE "U" POST PER SIGN

594

SOUTH 1 - 600mm x 300mm
 62 1 - 900mm x 900mm

ONE "U" POST PER SIGN

584 588

NORTH 1 - 600mm x 300mm
 INTERSTATE 85 1 - 900mm x 900mm

ONE "U" POST PER SIGN

590

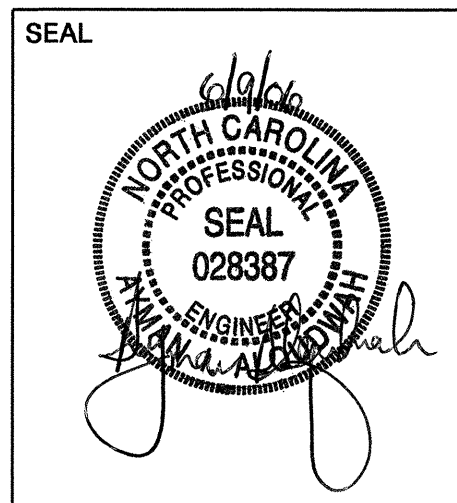
SOUTH NORTH 2 - 600mm x 300mm
 INTERSTATE 85 85 2 - 900mm x 900mm
 ↑ → 2 - 525mm x 375mm

TWO "U" POSTS PER SIGN

596

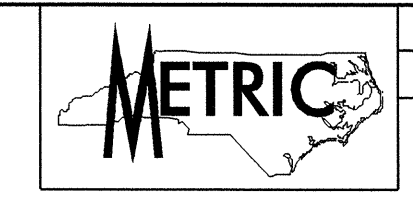
NORTH SOUTH 2 - 600mm x 300mm
 INTERSTATE 85 85 2 - 900mm x 900mm
 ↑ → 2 - 525mm x 375mm

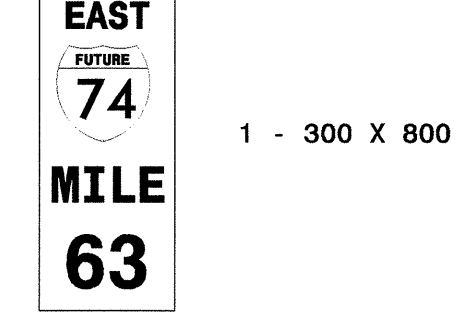
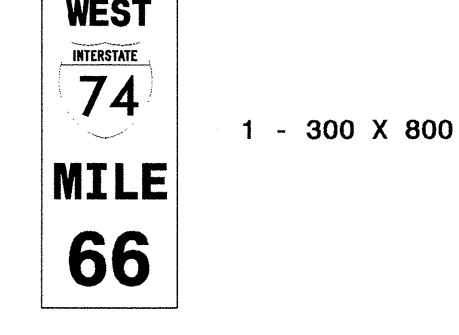
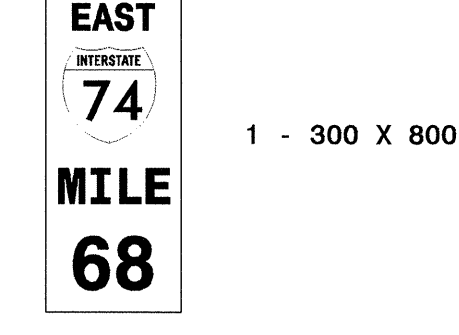
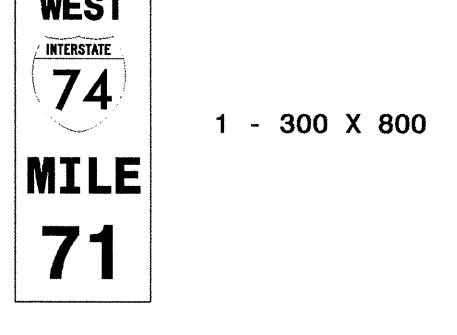
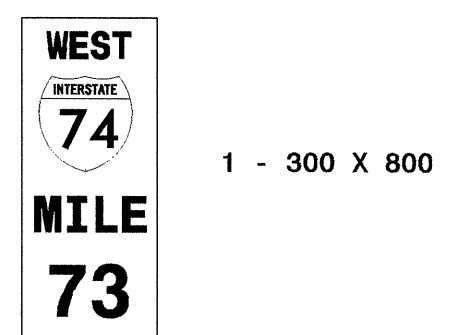
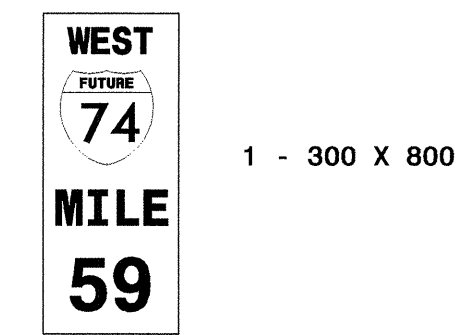
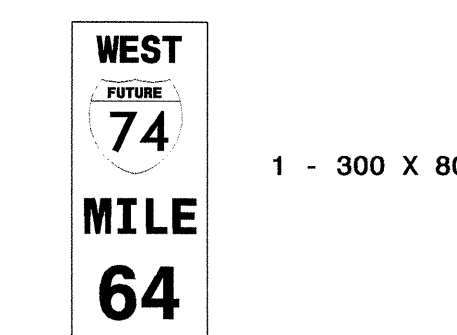
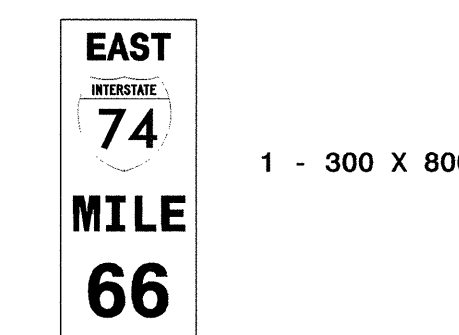
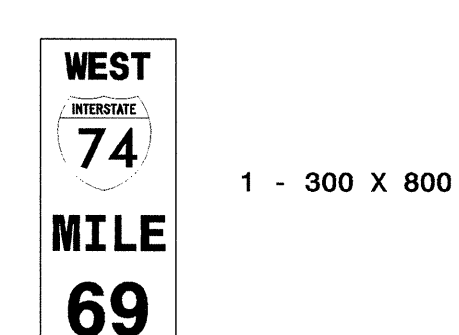
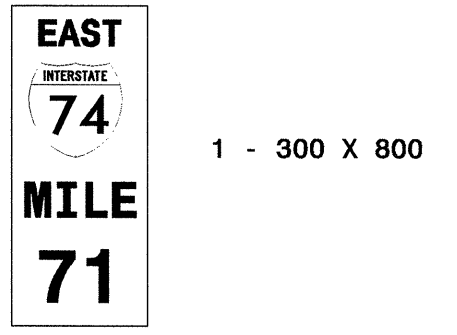
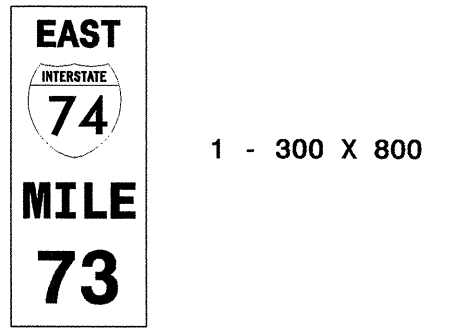
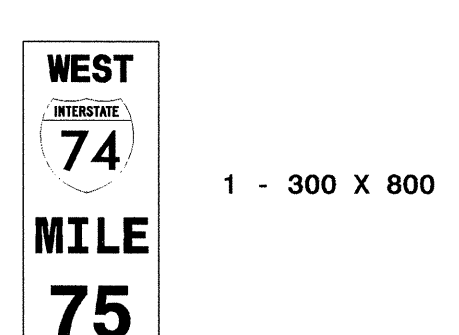
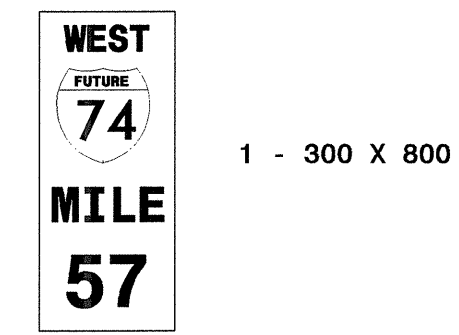
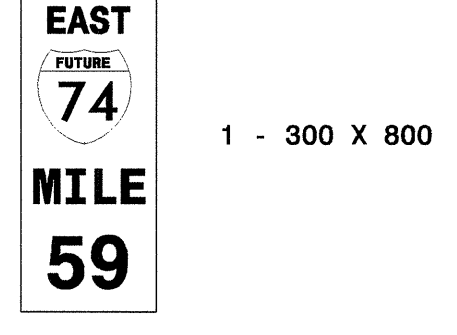
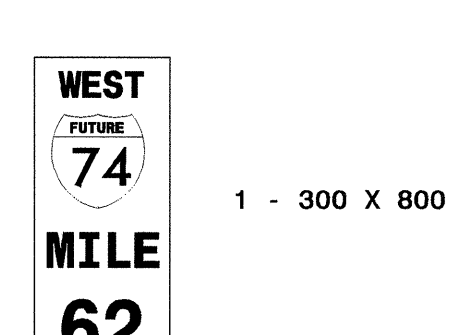
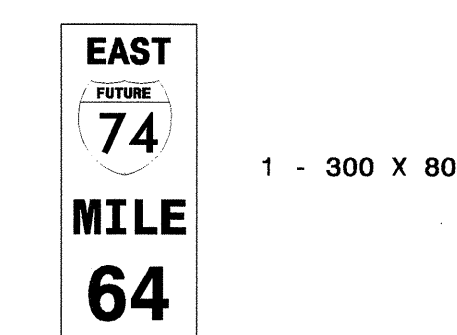
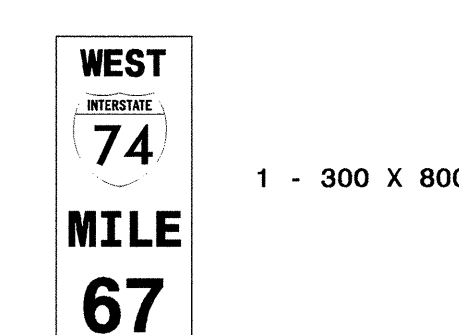


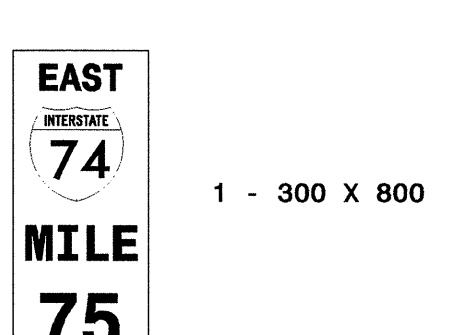
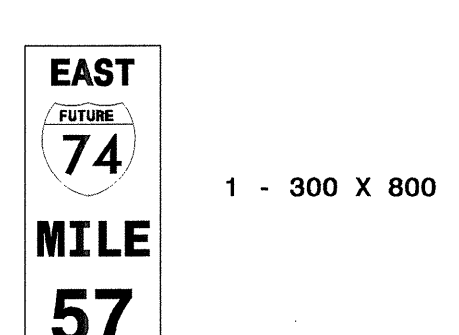
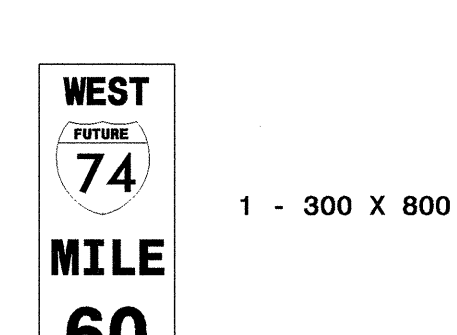
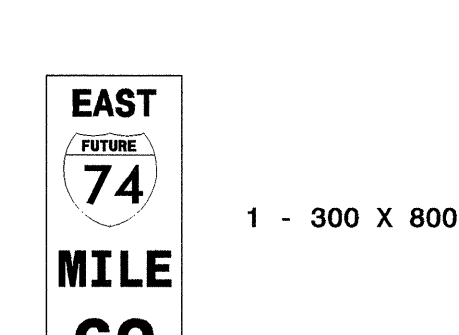
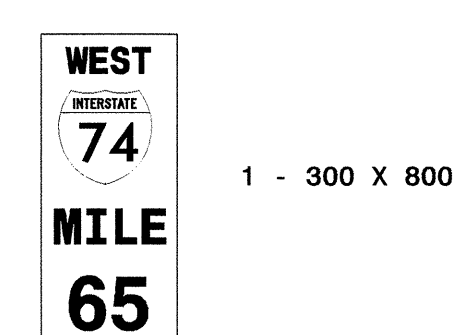
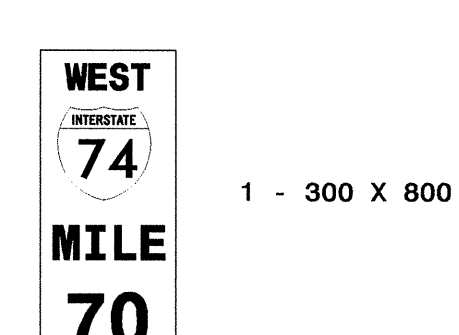
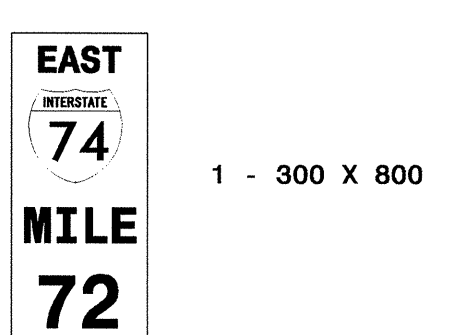
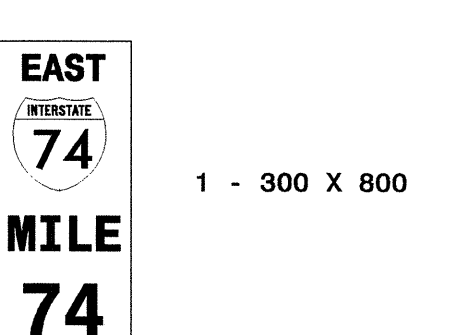
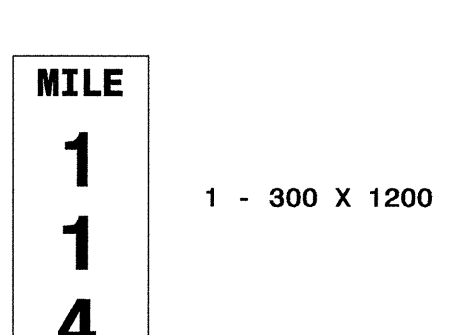
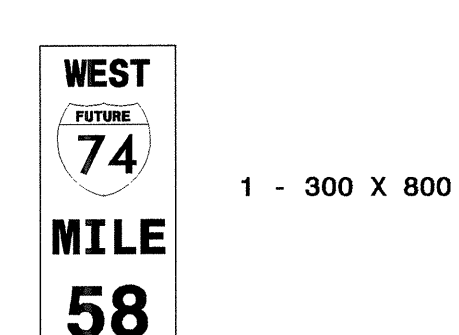
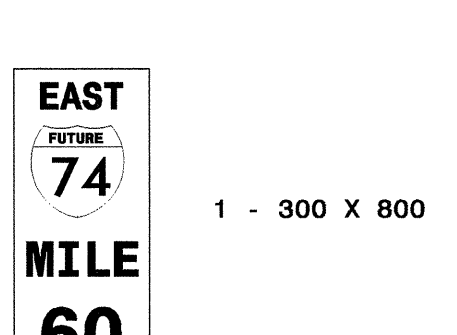
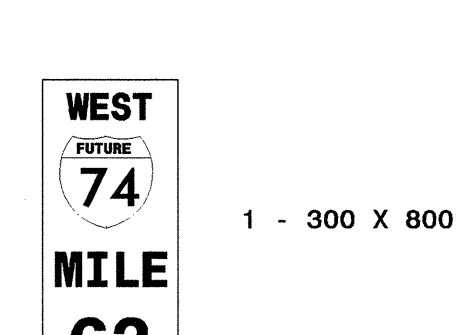
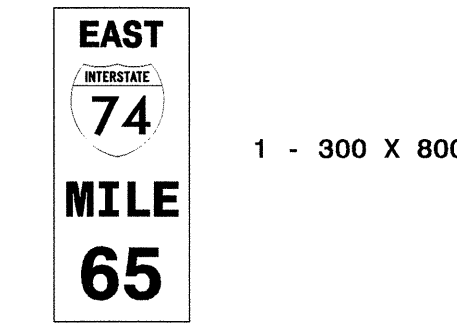
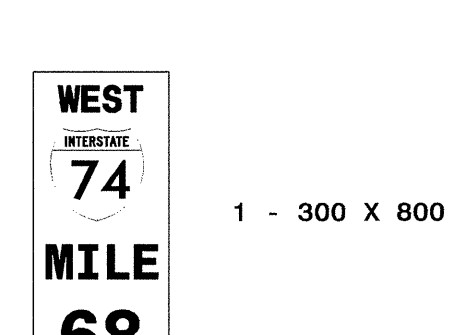
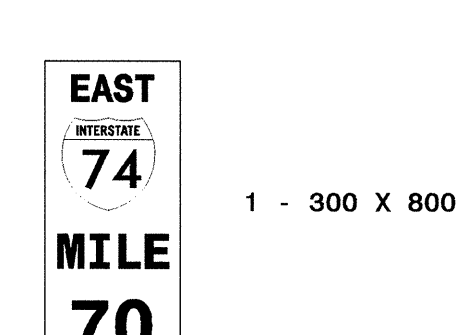
TWO "U" POSTS PER SIGN

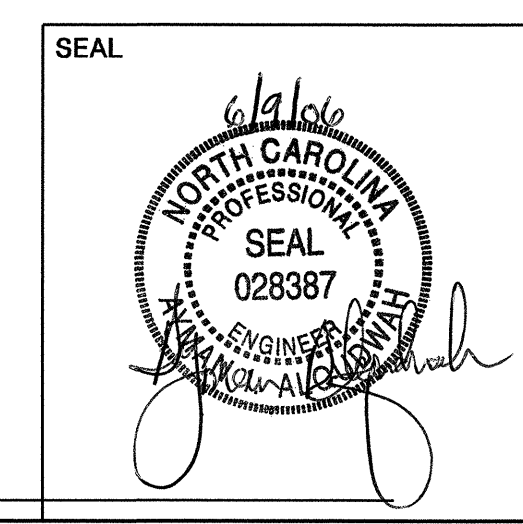


"F" SIGNS

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

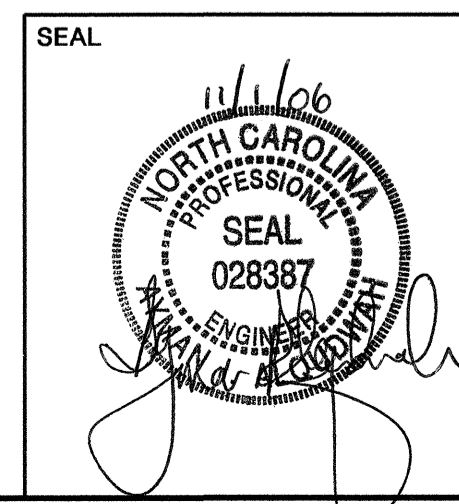
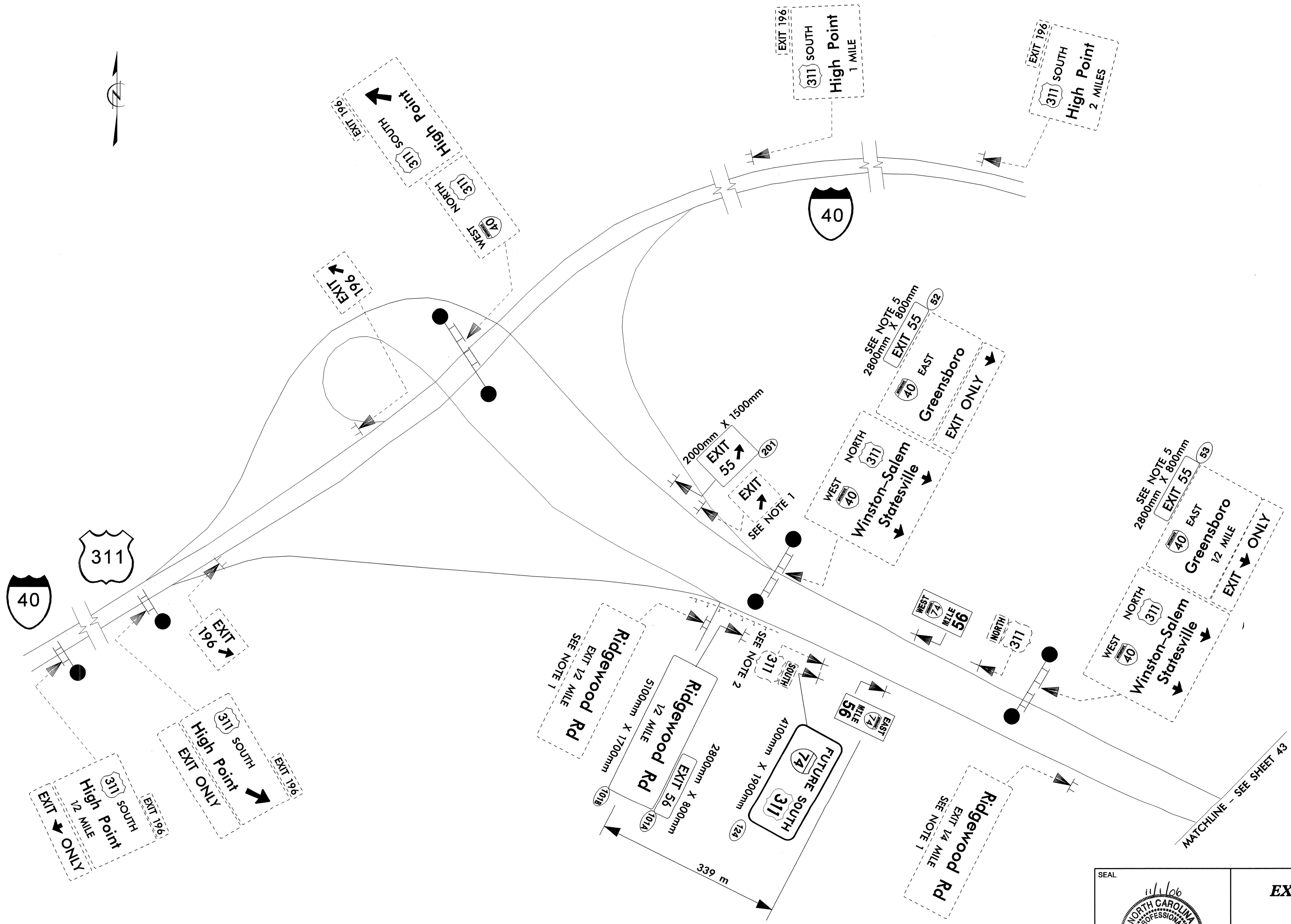
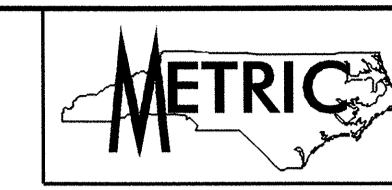


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<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	
<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	
<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 2 </u></p>  <p>1 - 300 X 1200</p> <p>ONE "U" POST</p>	
<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>QUANTITY REQ'D <u> 1 </u></p>  <p>1 - 300 X 800</p> <p>ONE "U" POST</p>	<p>NOTE: THIS DRAWING IS DIMENSIONED IN MILLIMETERS UNLESS OTHERWISE DEPICTED WITHIN THE DRAWING.</p>			

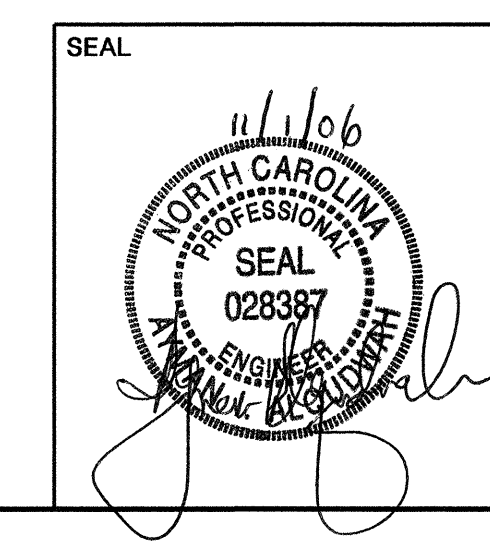
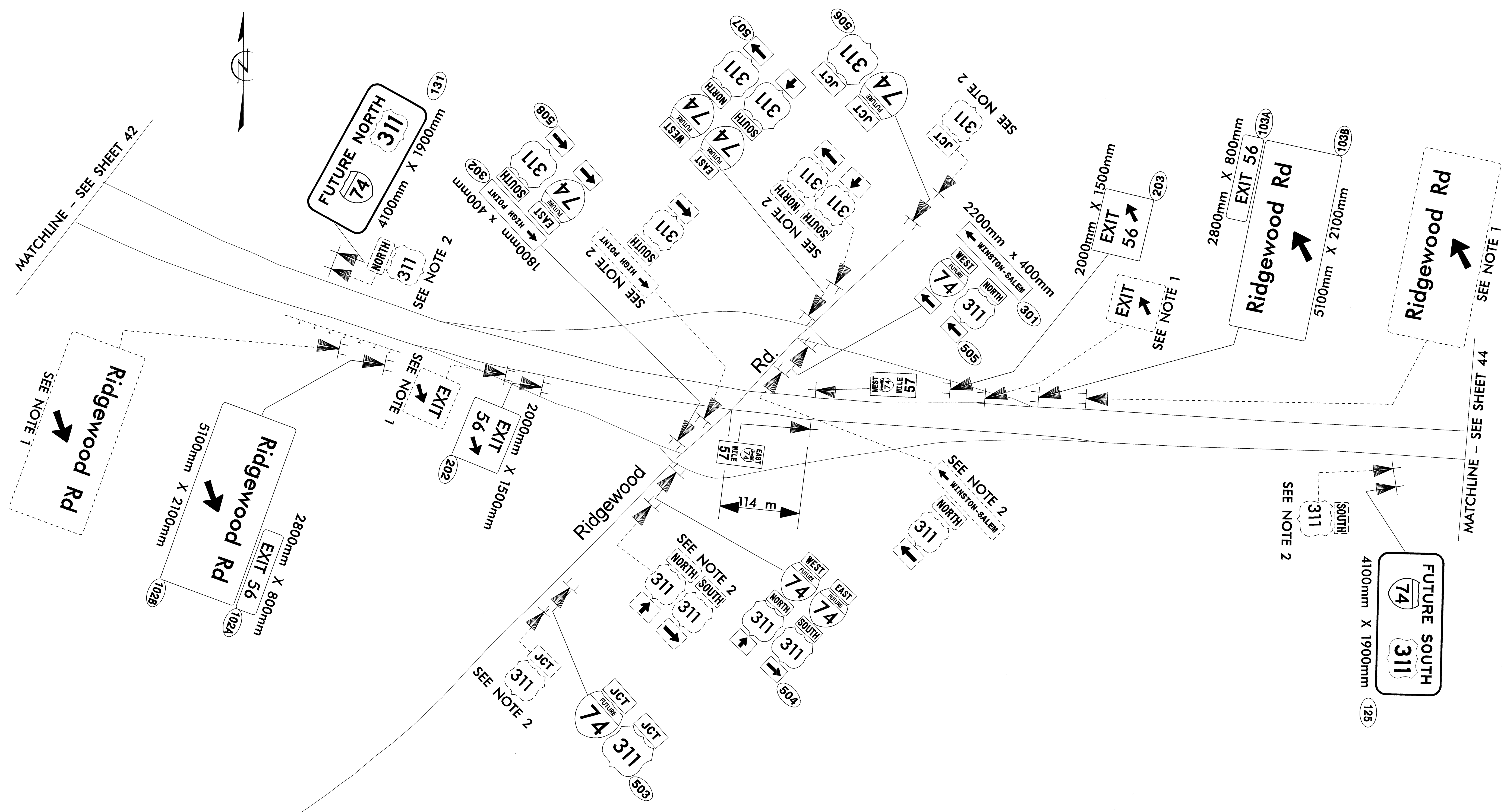


MILEMARKERS

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

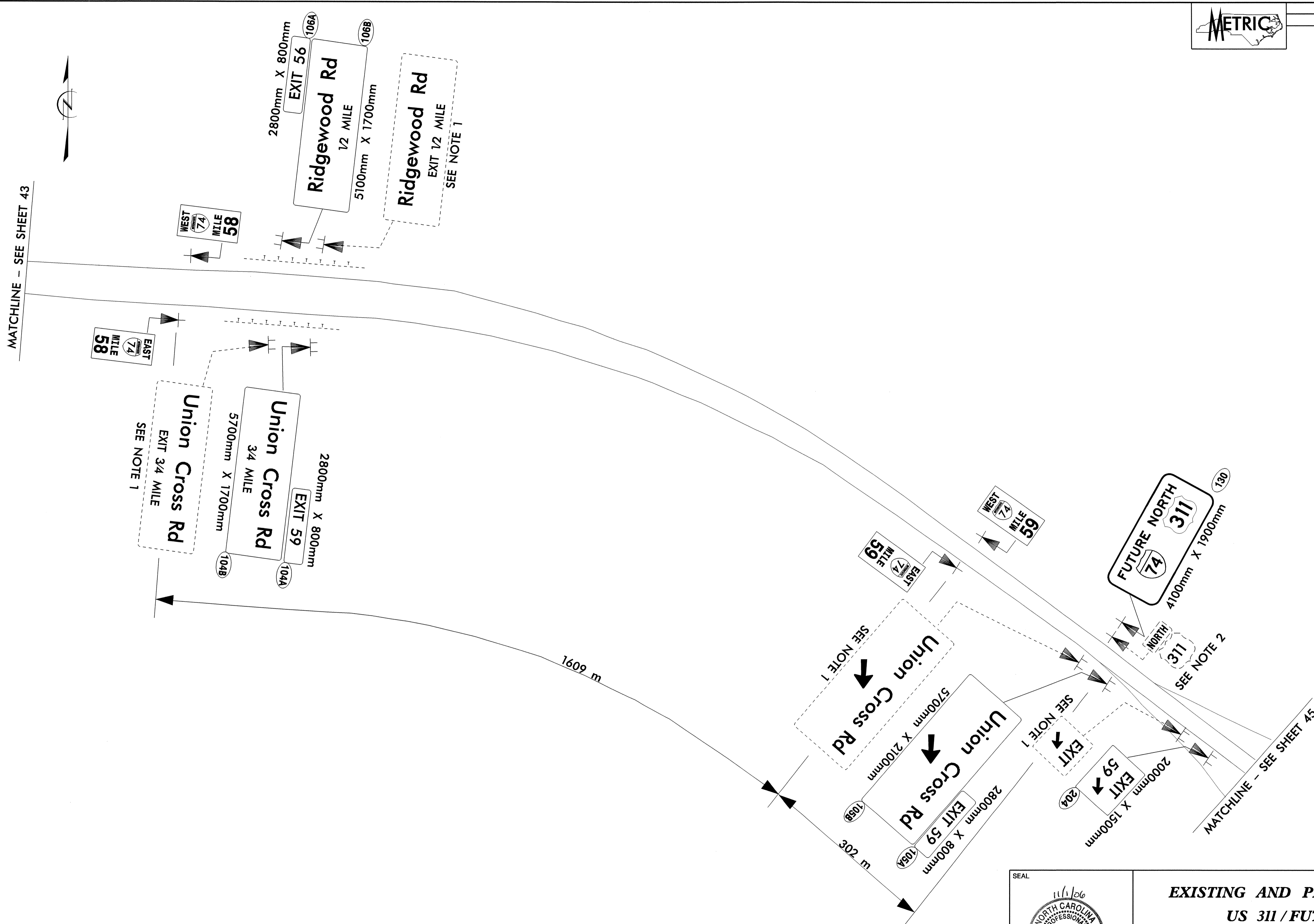


EXISTING AND PROPOSED SIGNS			US 311 / FUTURE I-74	
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS	
DATE	MAR 2006			
SIGNING DESIGN ENG	S. JOHNS			
SIGNING PROJECT DGN ENG	K. JORDAN			
SIGNING PROJECT ENG	A. ALQUDWAH			



**EXISTING AND PROPOSED SIGNS
US 311 / FUTURE I-74**

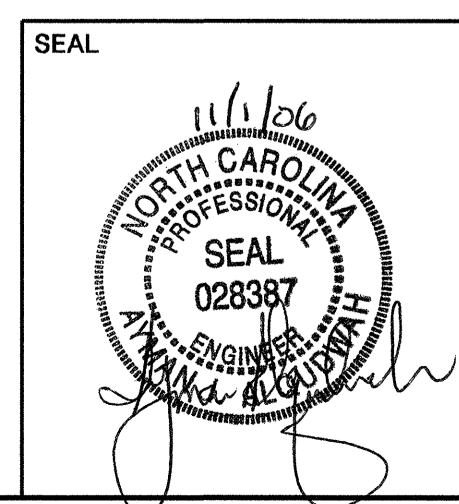
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DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



MATCHLINE - SEE SHEET 43

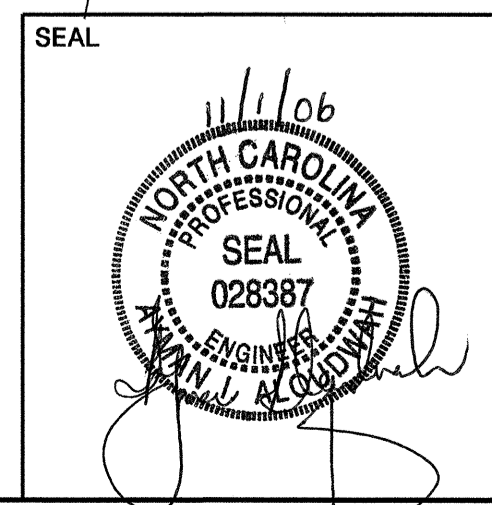
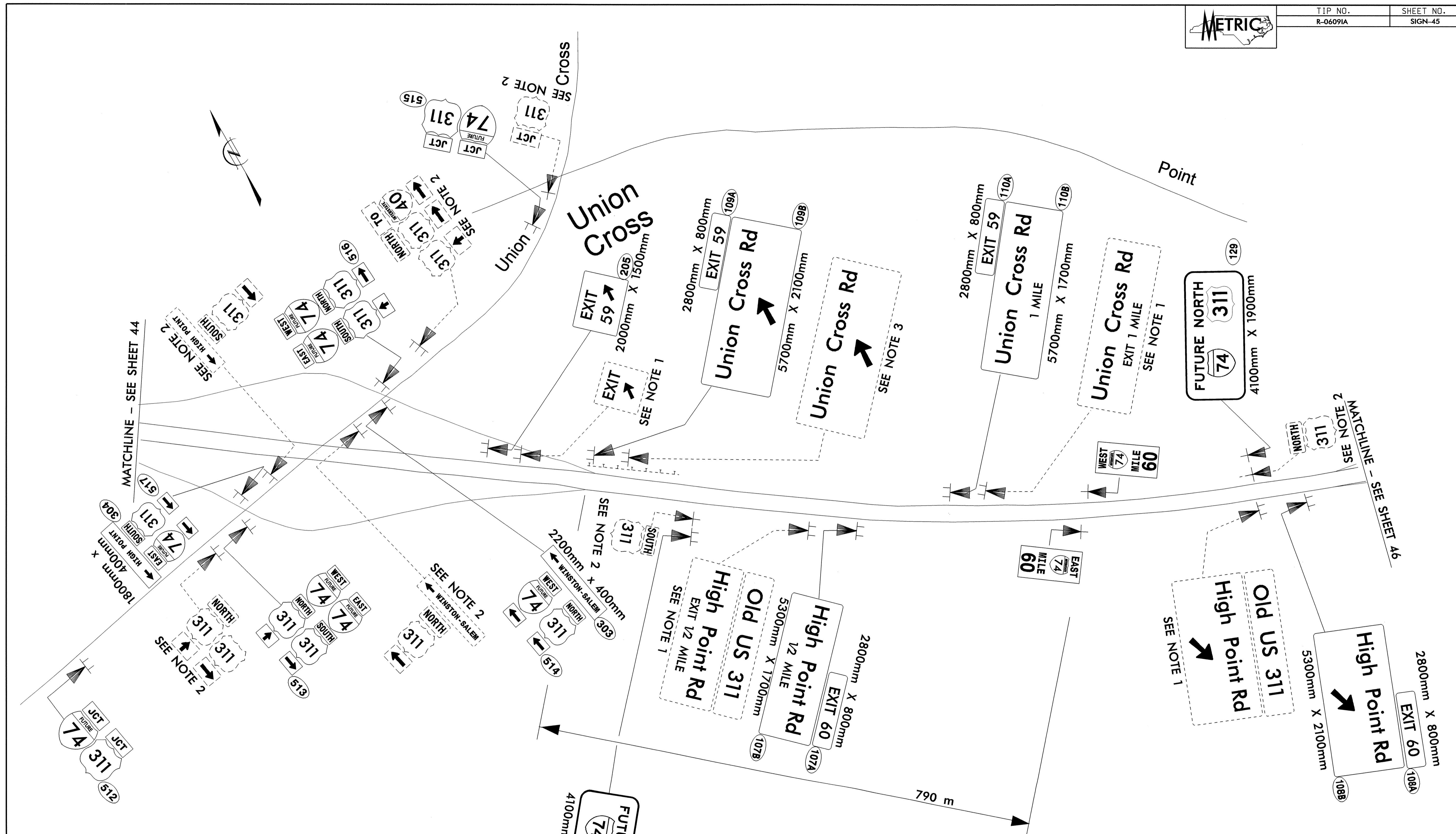
SEE NOTE 2

MATCHLINE - SEE SHEET 45



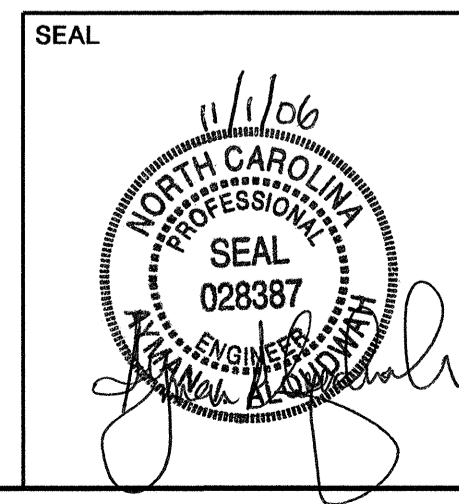
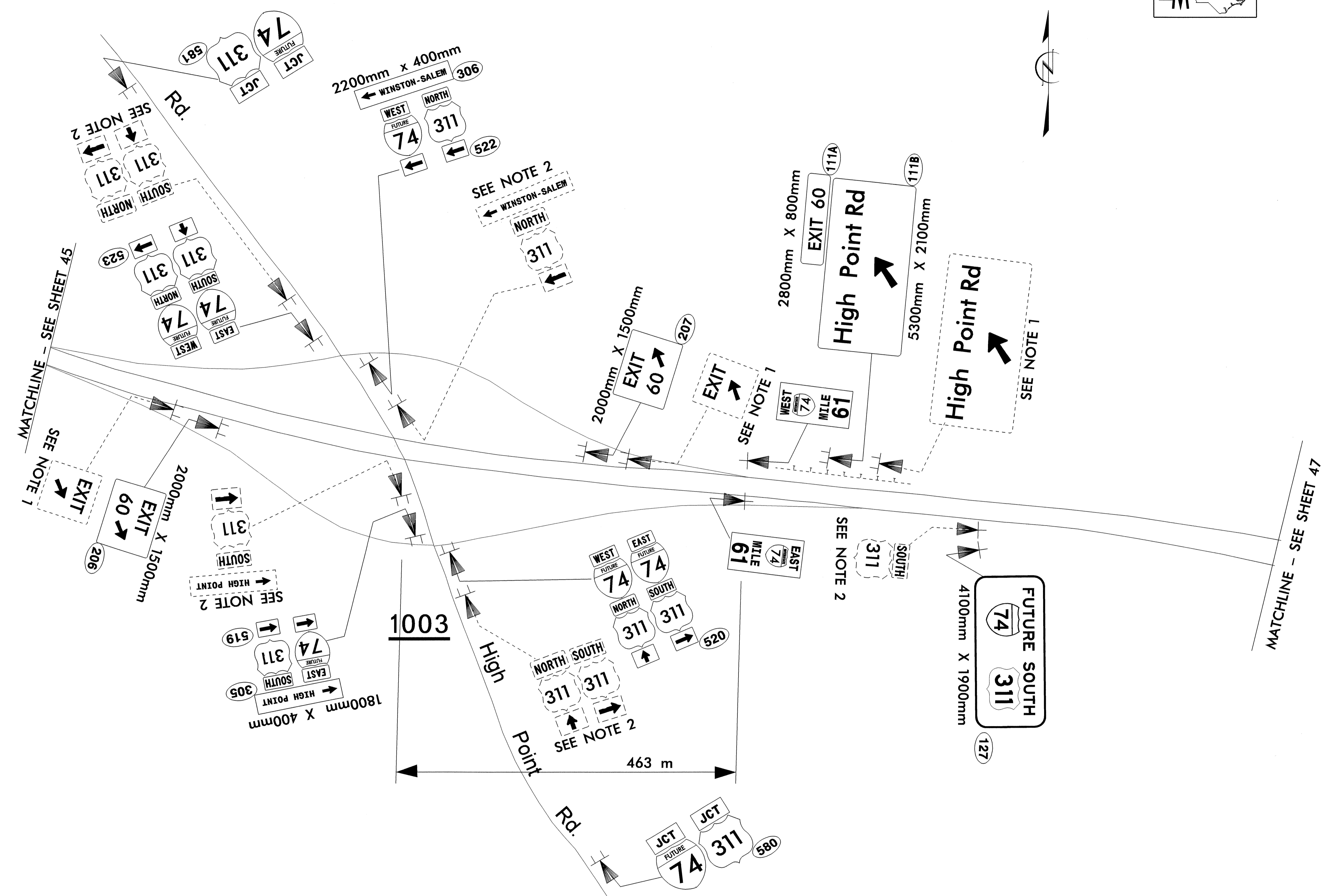
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US 311 / FUTURE I-74**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



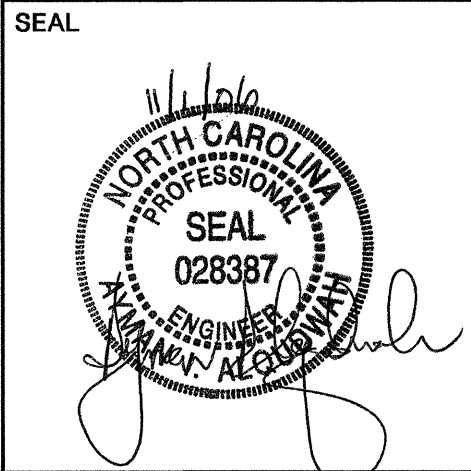
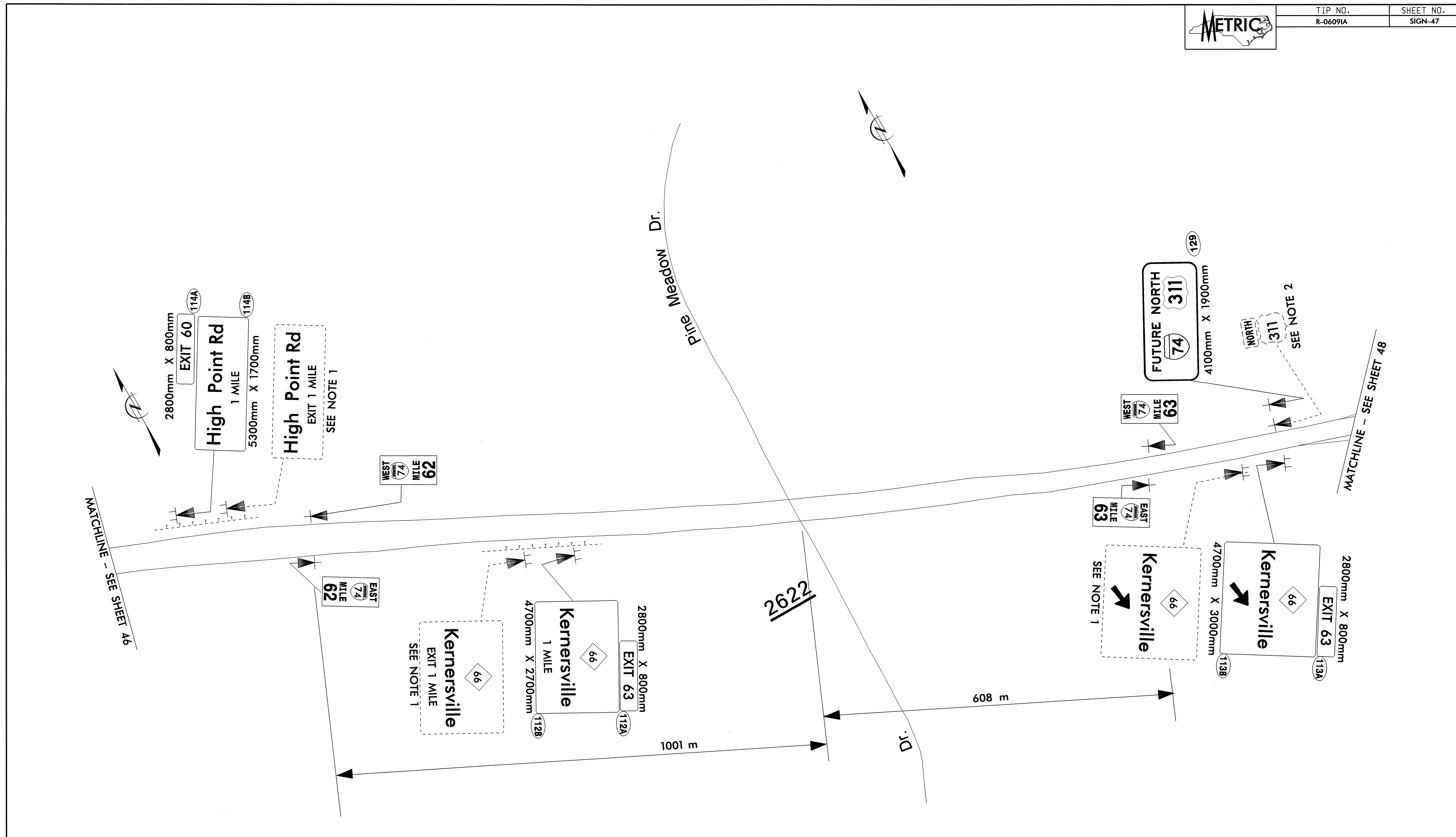
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US 311 / FUTURE I-74**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



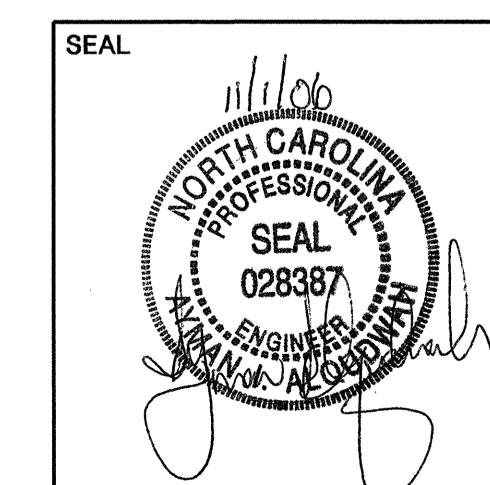
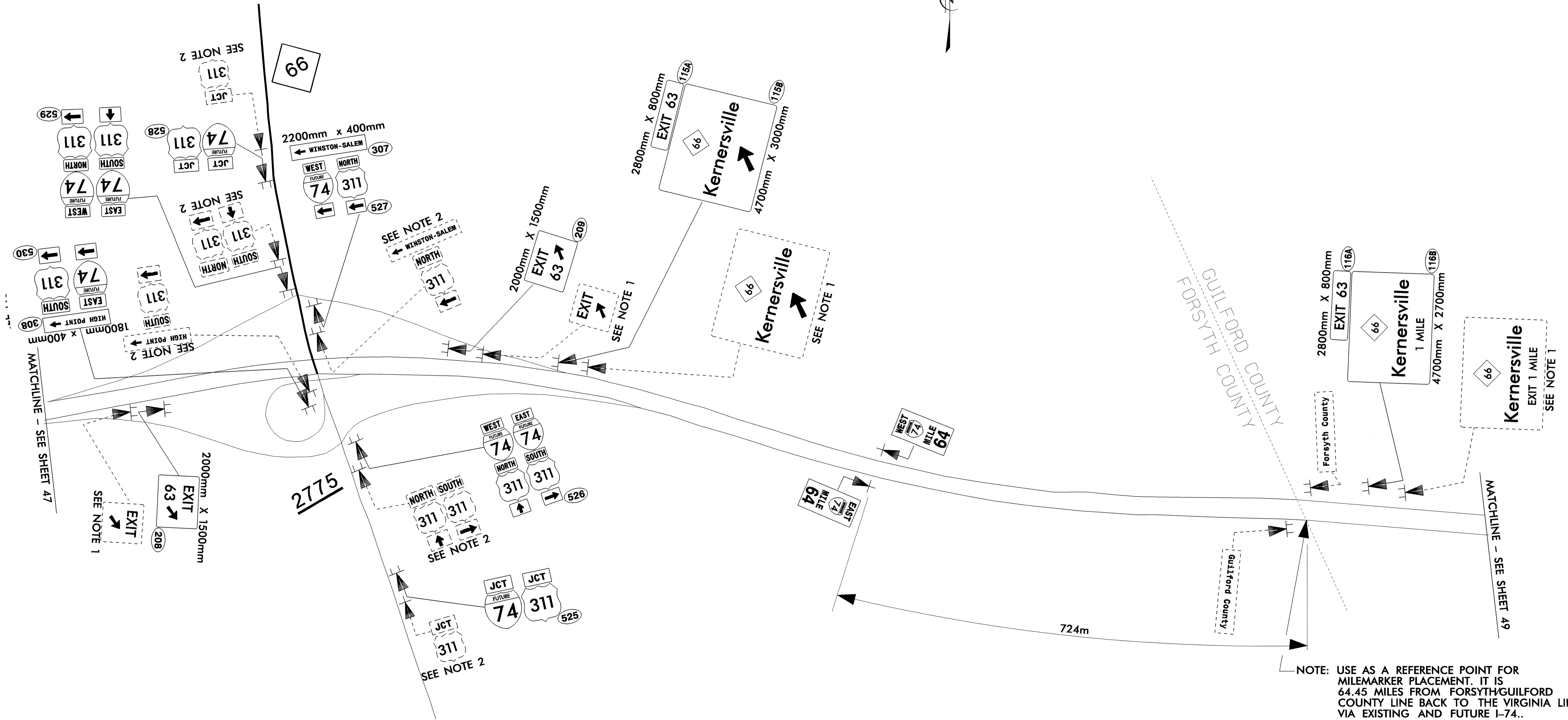
**EXISTING AND PROPOSED SIGNS
US 311 / FUTURE I-74**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



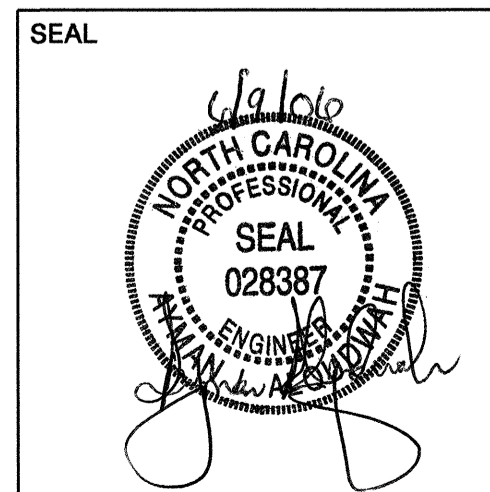
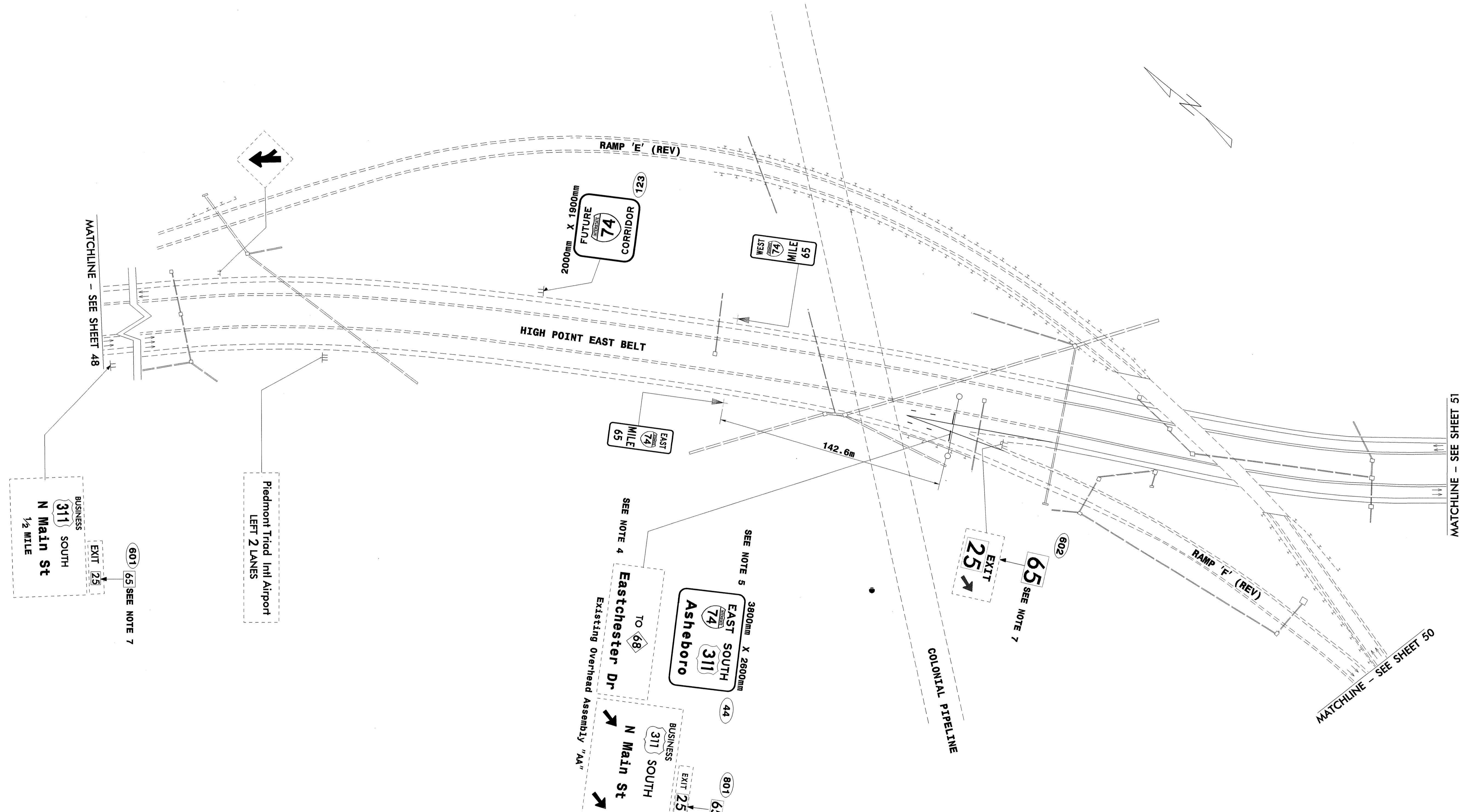
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US 311 / FUTURE I-74**

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DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



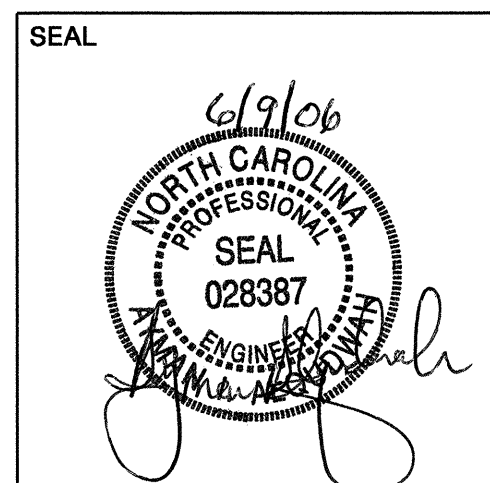
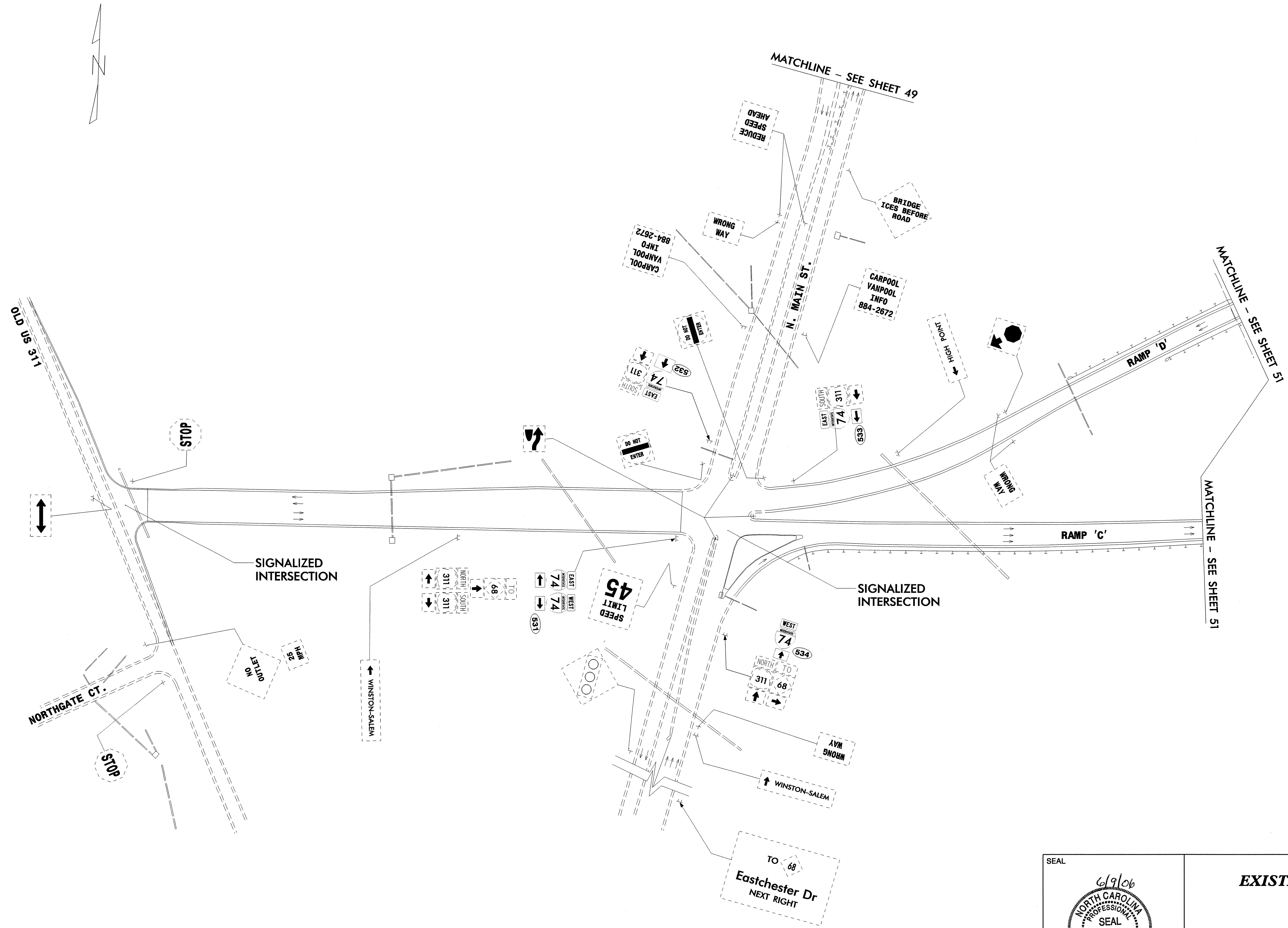
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US 311/FUTURE I-74**

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DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



EXISTING AND PROPOSED SIGNS
I-74 /US 311

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



EXISTING AND PROPOSED SIGNS		I-74 / US 311	
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



TIP NO.
R-06091A

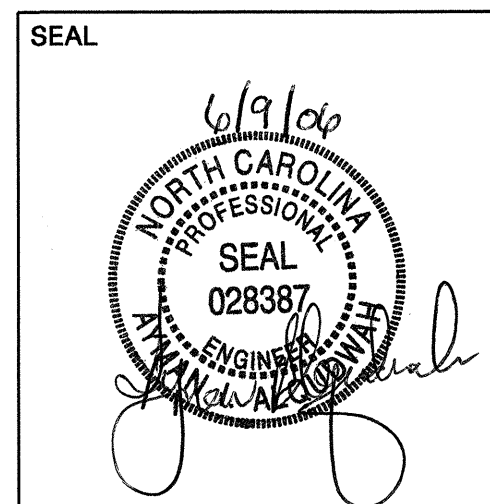
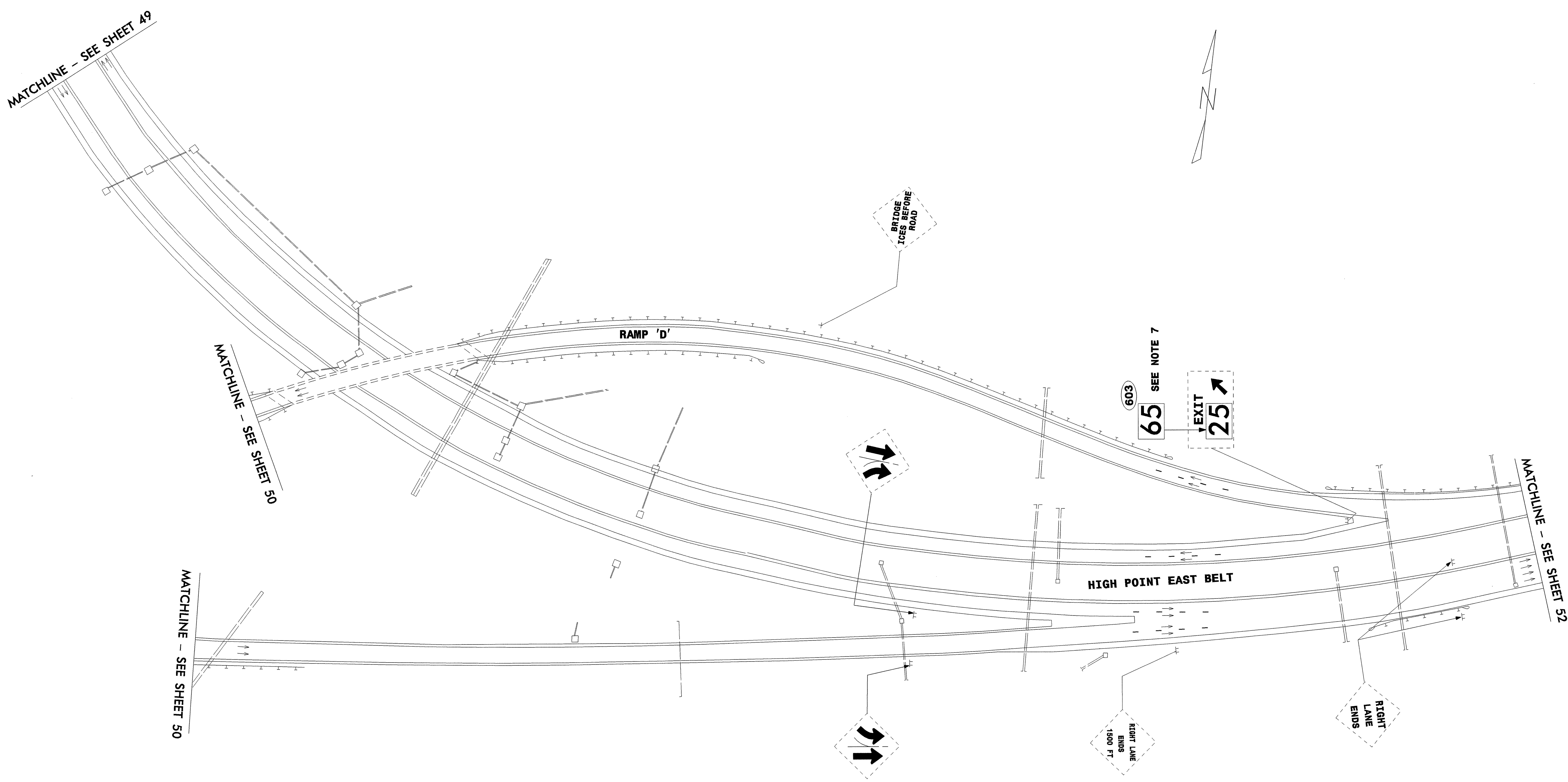
SHEET NO.
SIGN-51

MATCHLINE - SEE SHEET 49

MATCHLINE - SEE SHEET 50

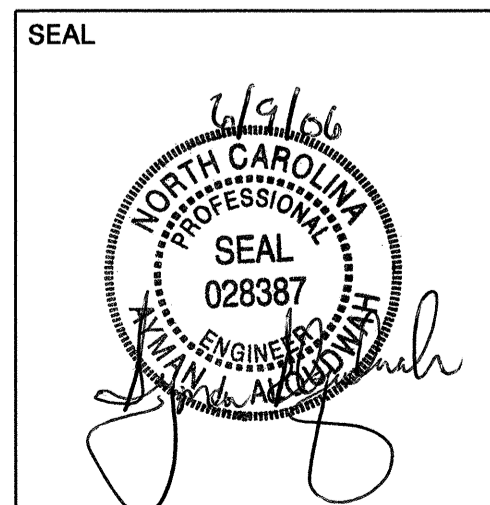
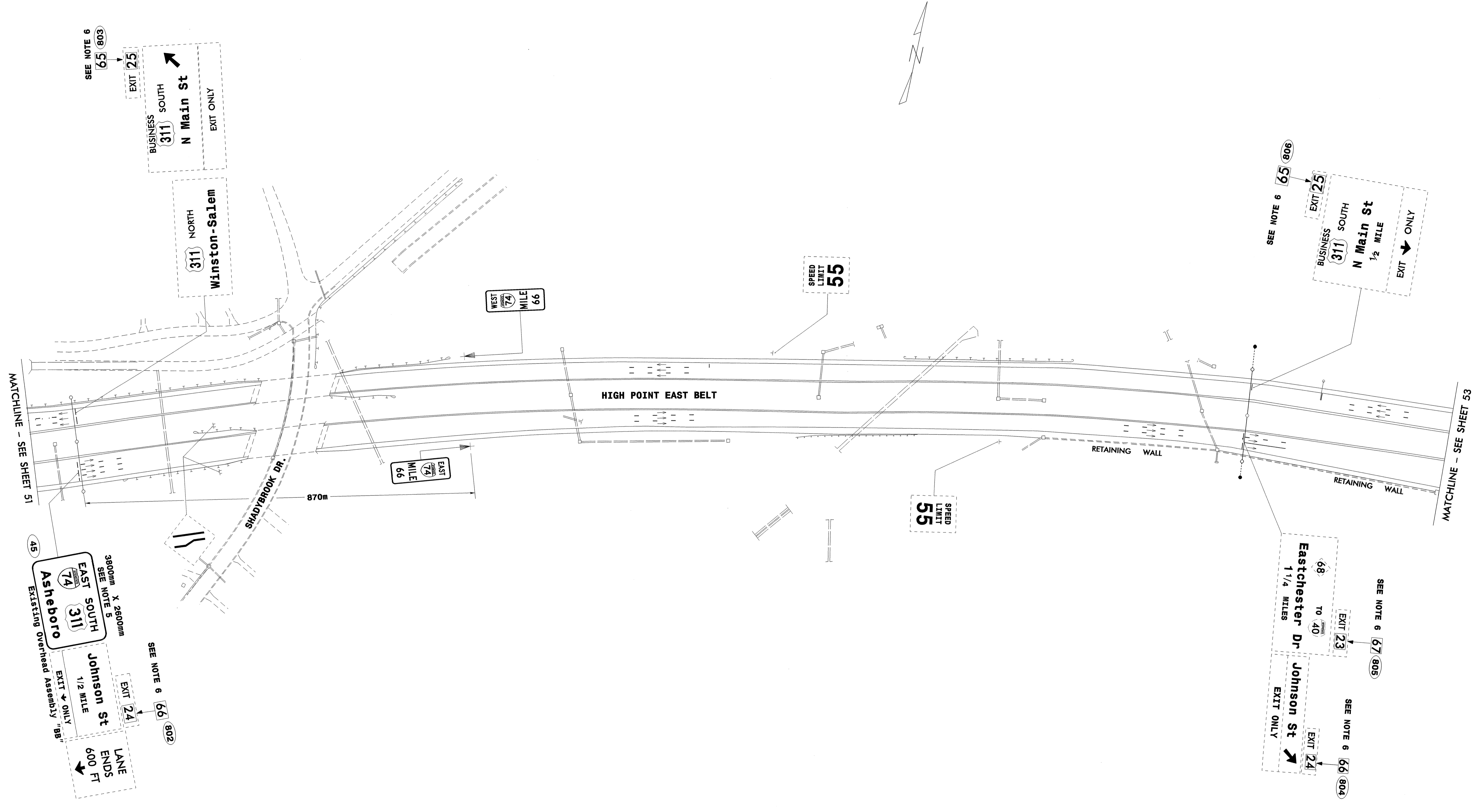
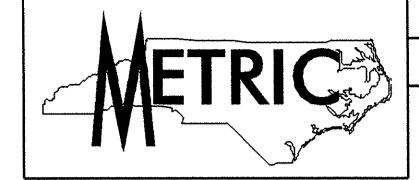
MATCHLINE - SEE SHEET 50

MATCHLINE - SEE SHEET 52

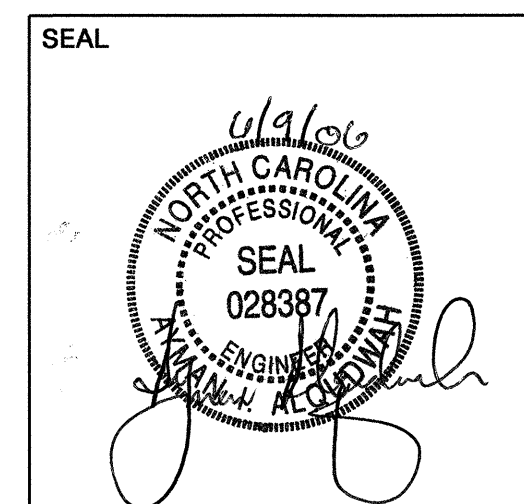
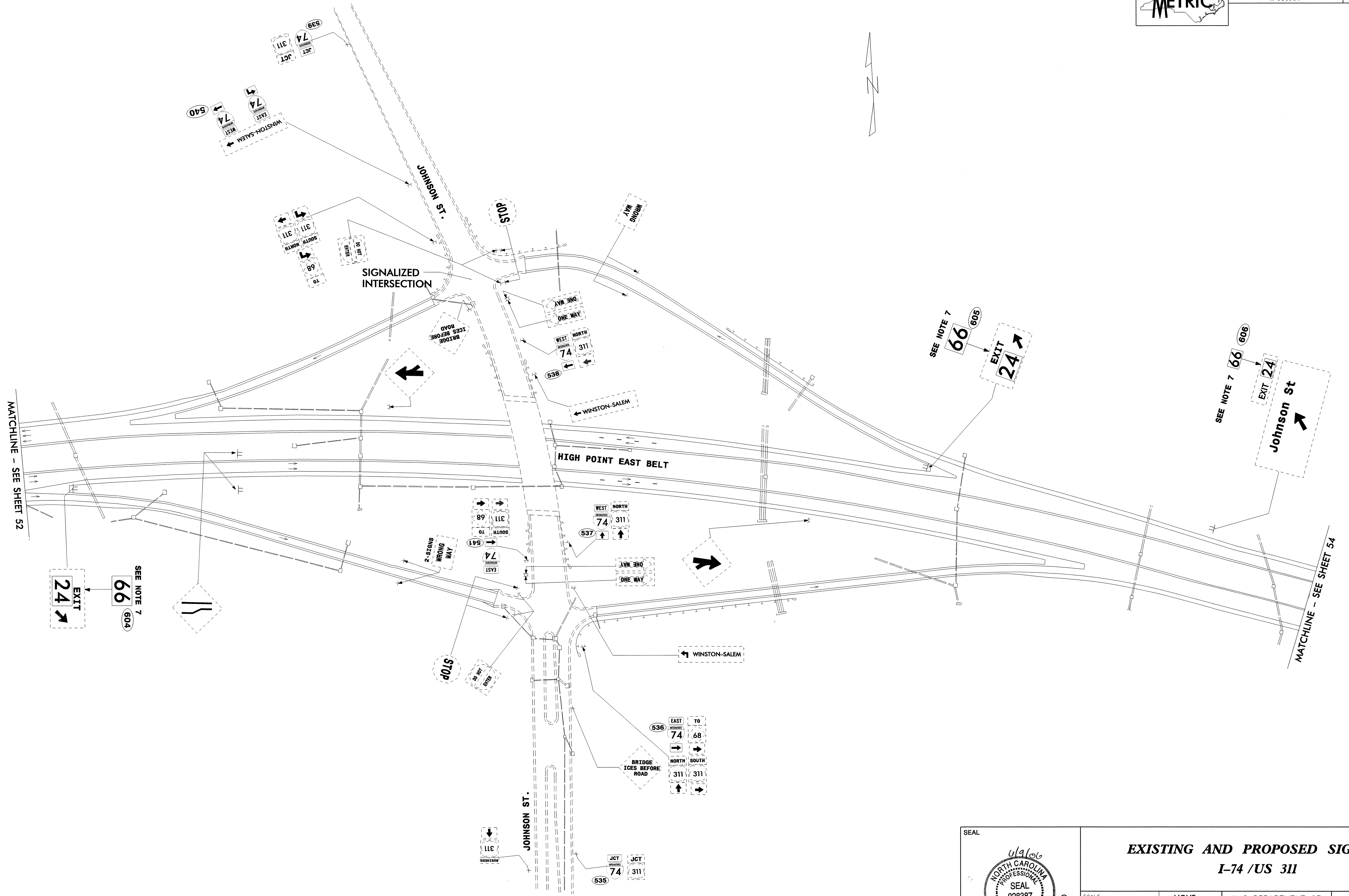
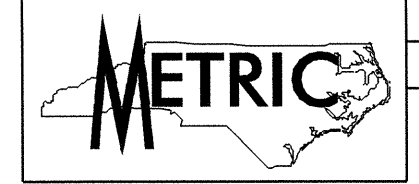


EXISTING AND PROPOSED SIGNS
I-74 /US 311

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
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SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

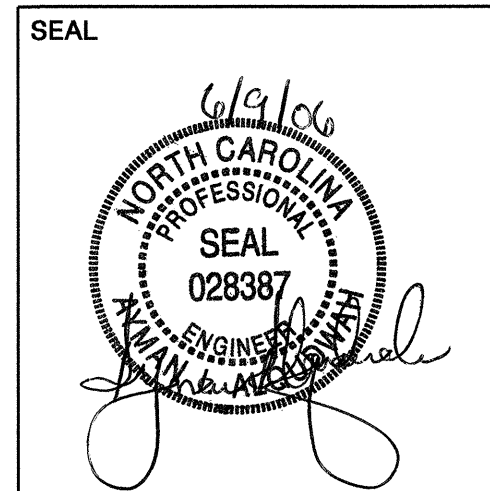
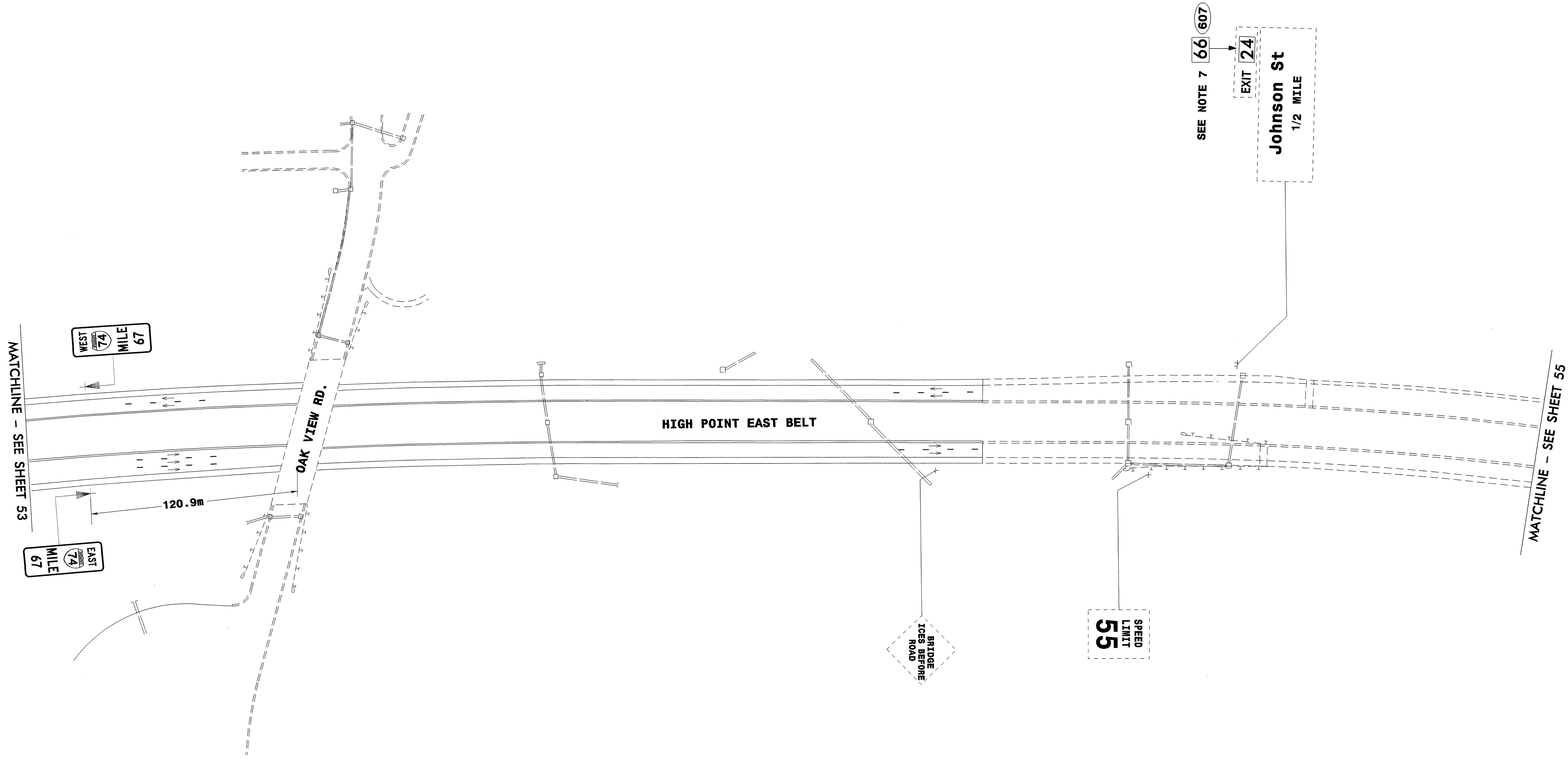


EXISTING AND PROPOSED SIGNS		I-74 /US 311	
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

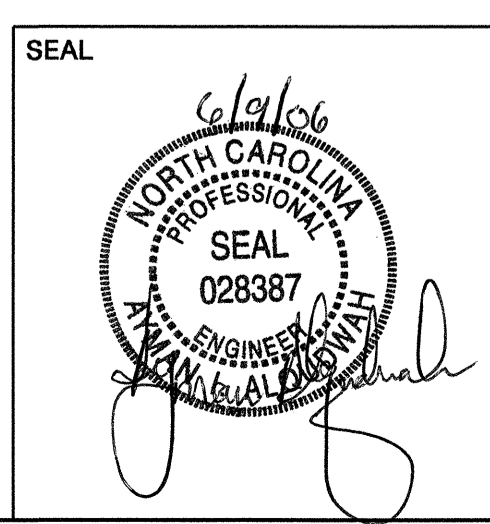
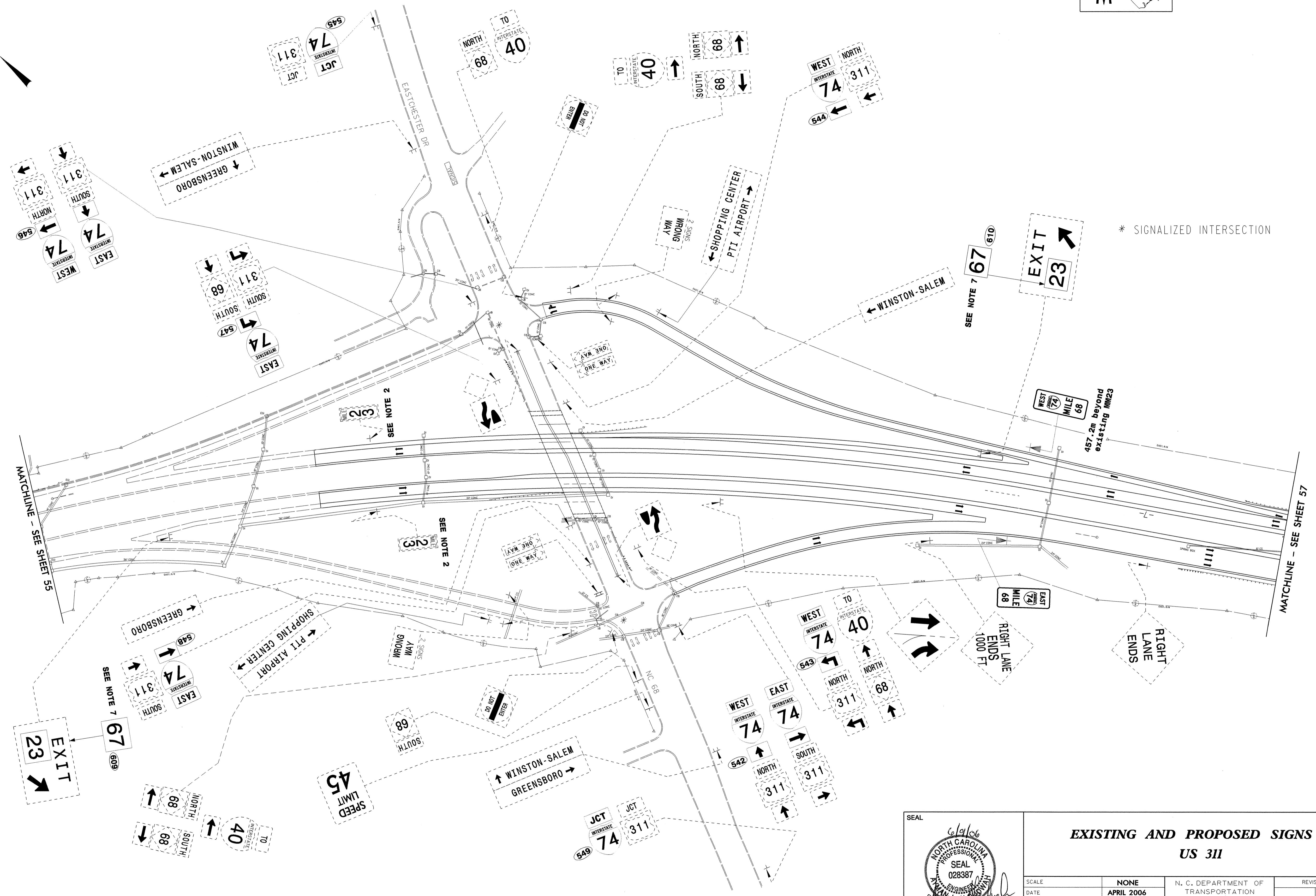
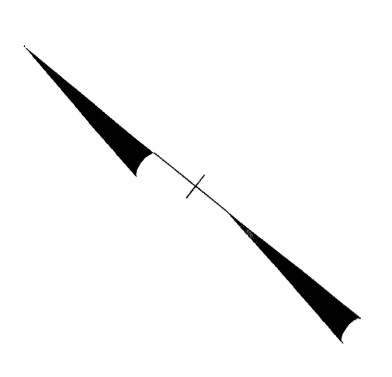
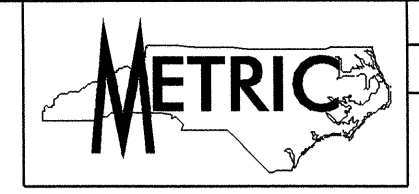


EXISTING AND PROPOSED SIGNS		I-74 / US 311	
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

FILES & NOTES

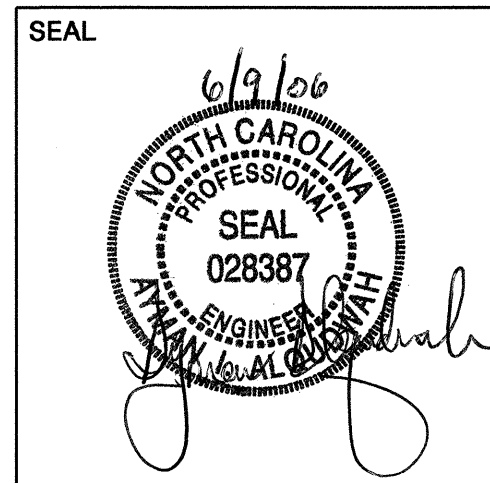
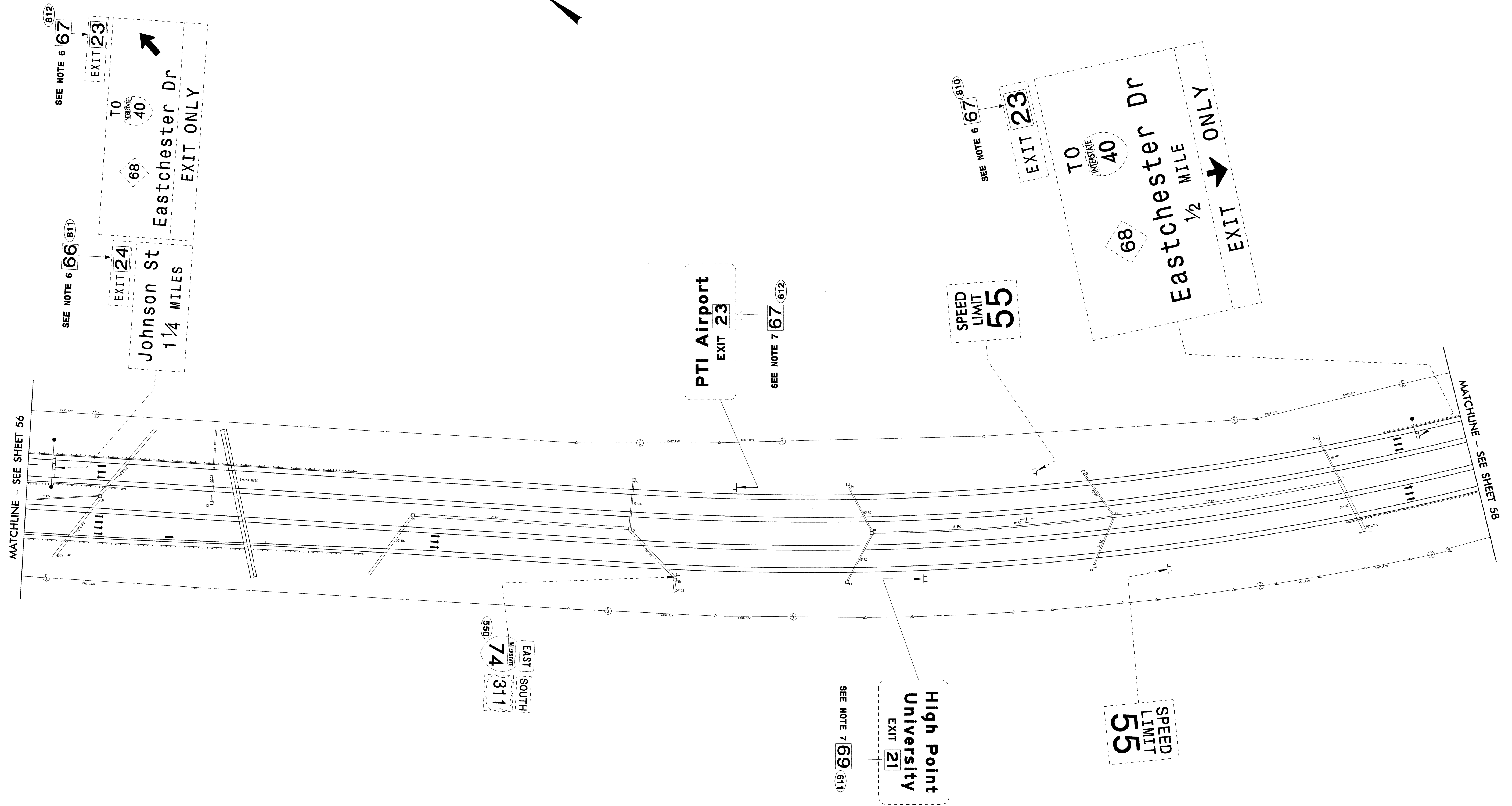
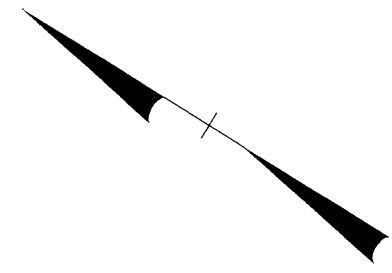


EXISTING AND PROPOSED SIGNS I-74 /US 311			
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



**EXISTING AND PROPOSED SIGNS
US 311**

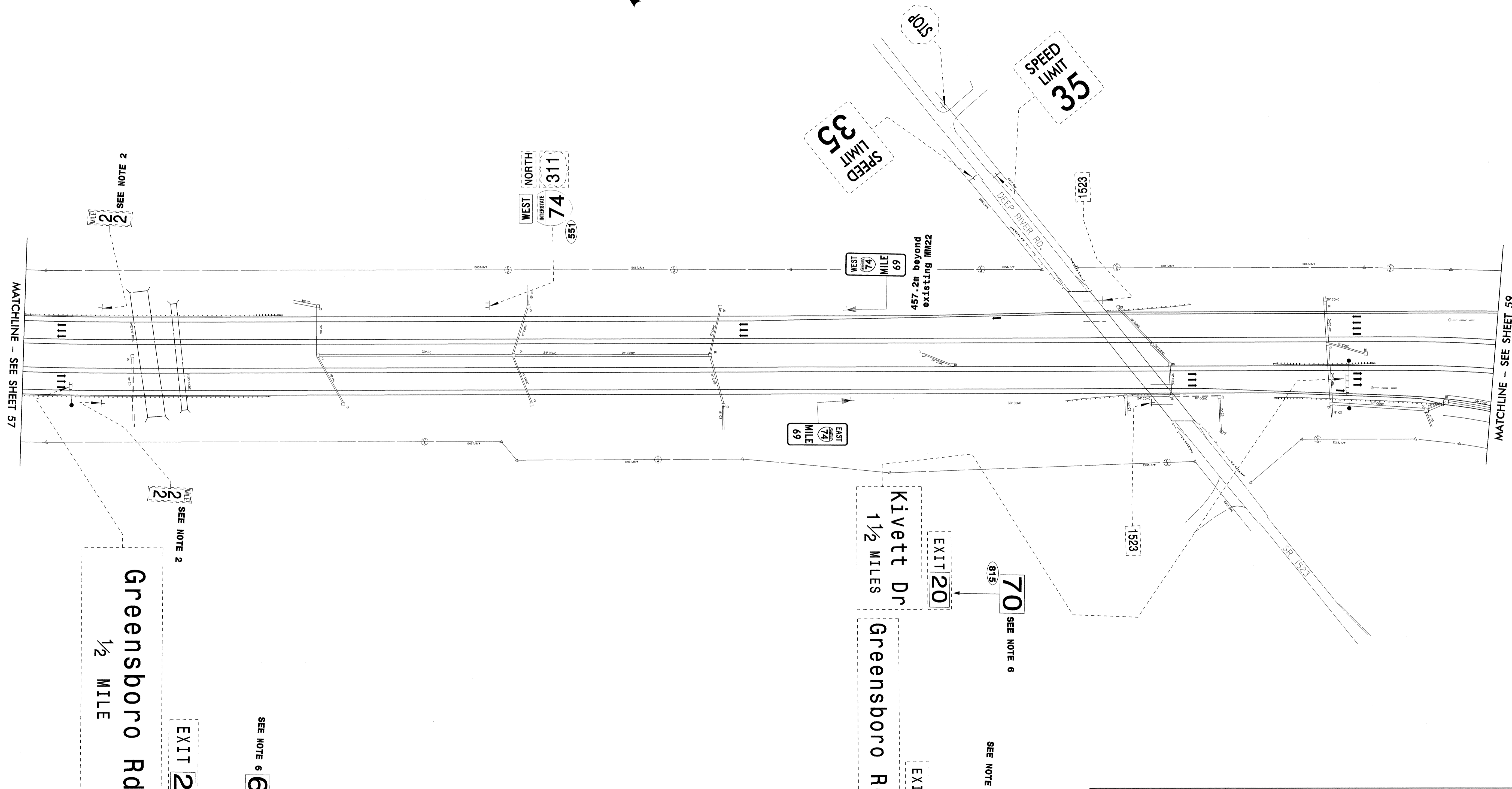
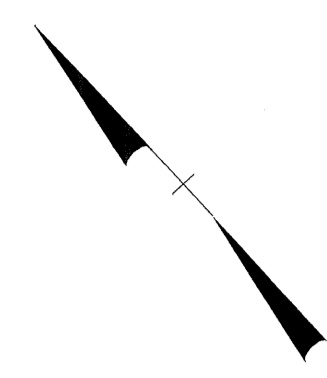
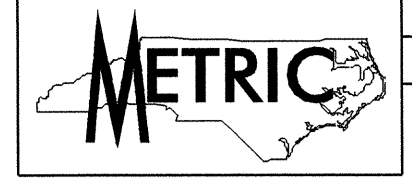
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DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



EXISTING AND PROPOSED SIGNS US 311

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

FILED
2006



MATCHLINE - SEE SHEET 57

MATCHLINE - SEE SHEET 59

Greensboro Rd
1/2 MILE

Kivett Dr
1 1/2 MILES
Greensboro Rd

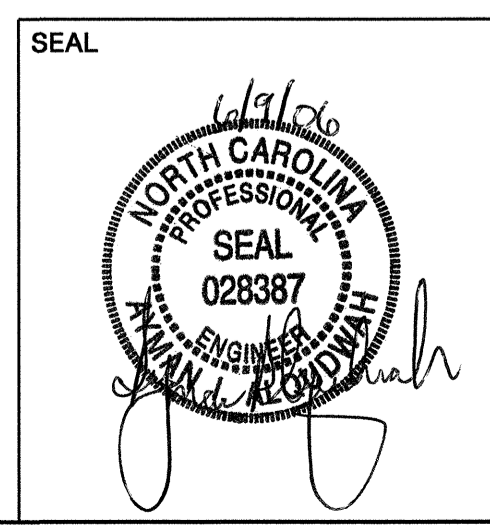
SEE NOTE 6
69
813

SEE NOTE 6
69
814

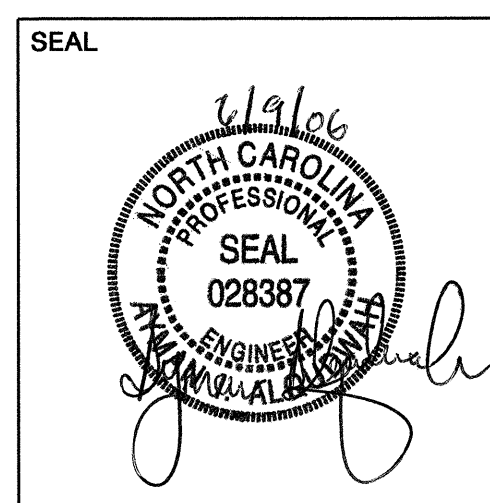
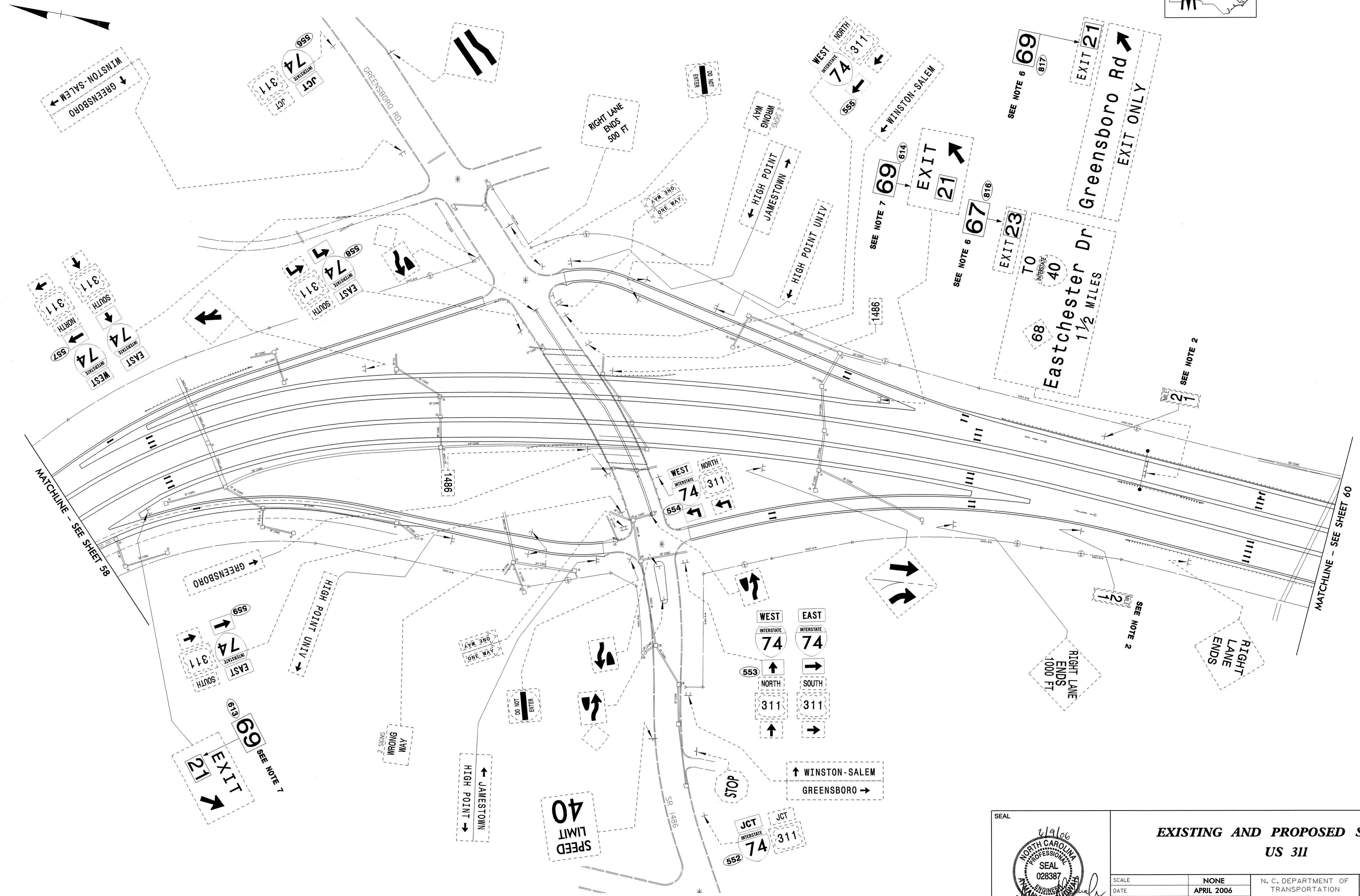
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815
SEE NOTE 6

SEE NOTE 2
2

SEE NOTE 2
2

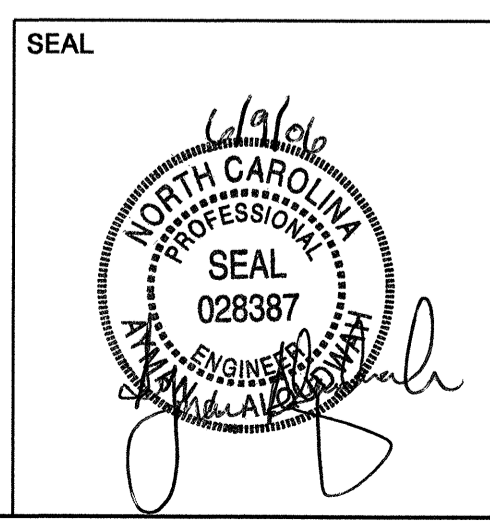
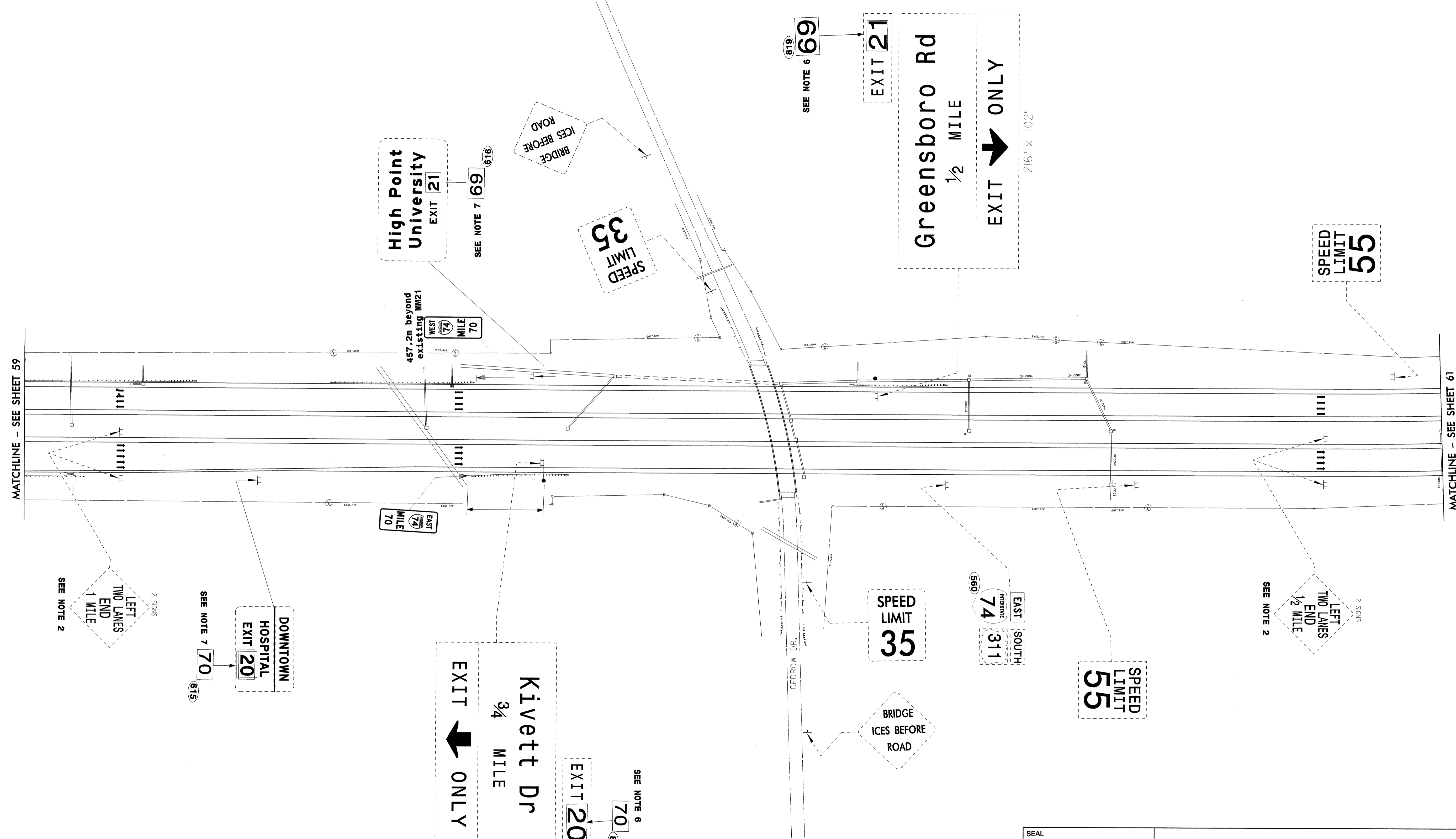
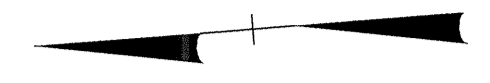
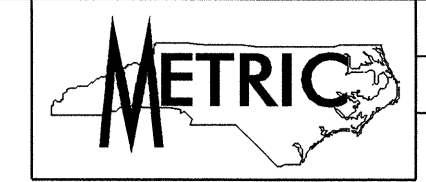


EXISTING AND PROPOSED SIGNS		US 311	
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



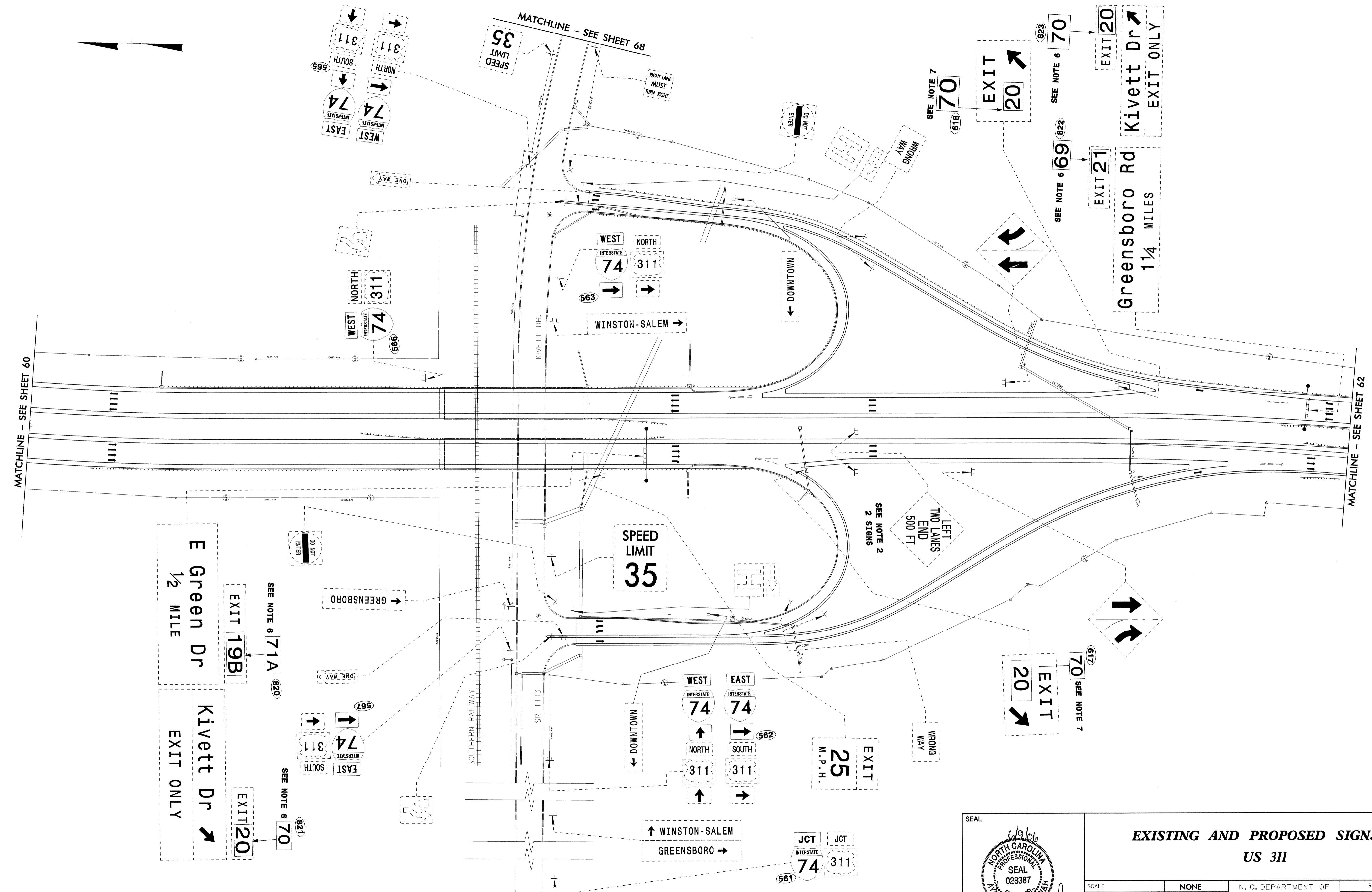
**EXISTING AND PROPOSED SIGNS
US 311**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



EXISTING AND PROPOSED SIGNS US 311			
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

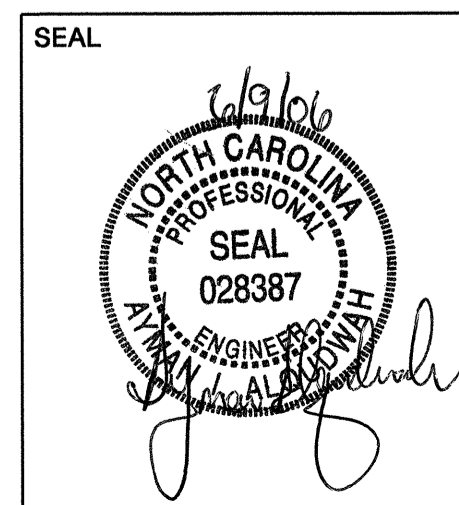
FILED
DATE



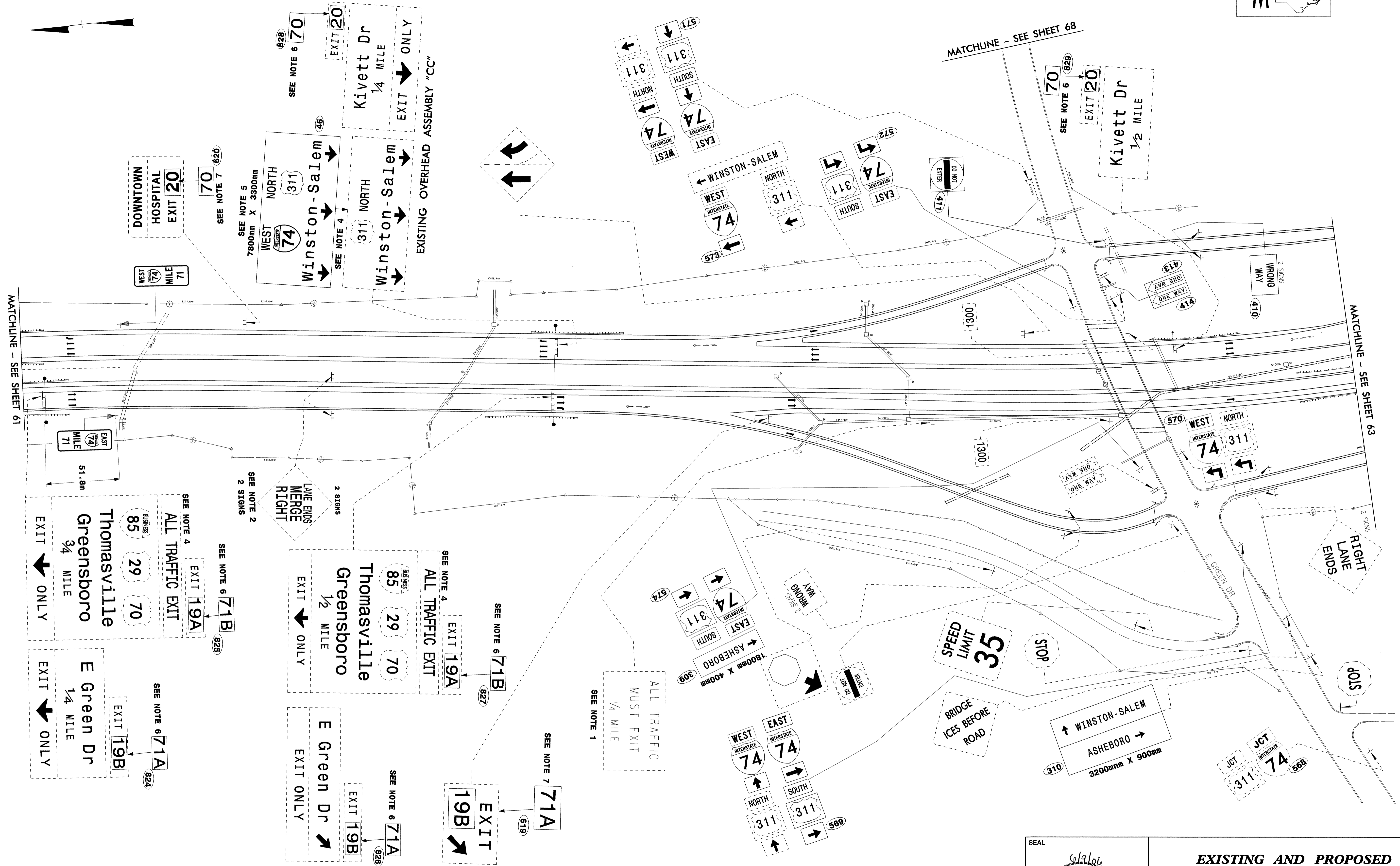
MATCHLINE - SEE SHEET 60

MATCHLINE - SEE SHEET 62

MATCHLINE - SEE SHEET 68



EXISTING AND PROPOSED SIGNS US 311			REVISIONS
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

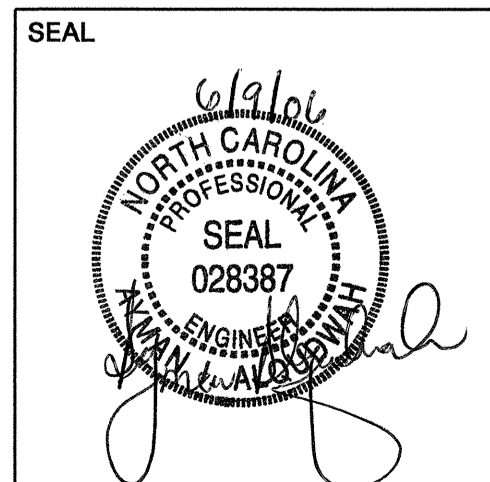


MATCHLINE - SEE SHEET 61

MATCHLINE - SEE SHEET 68

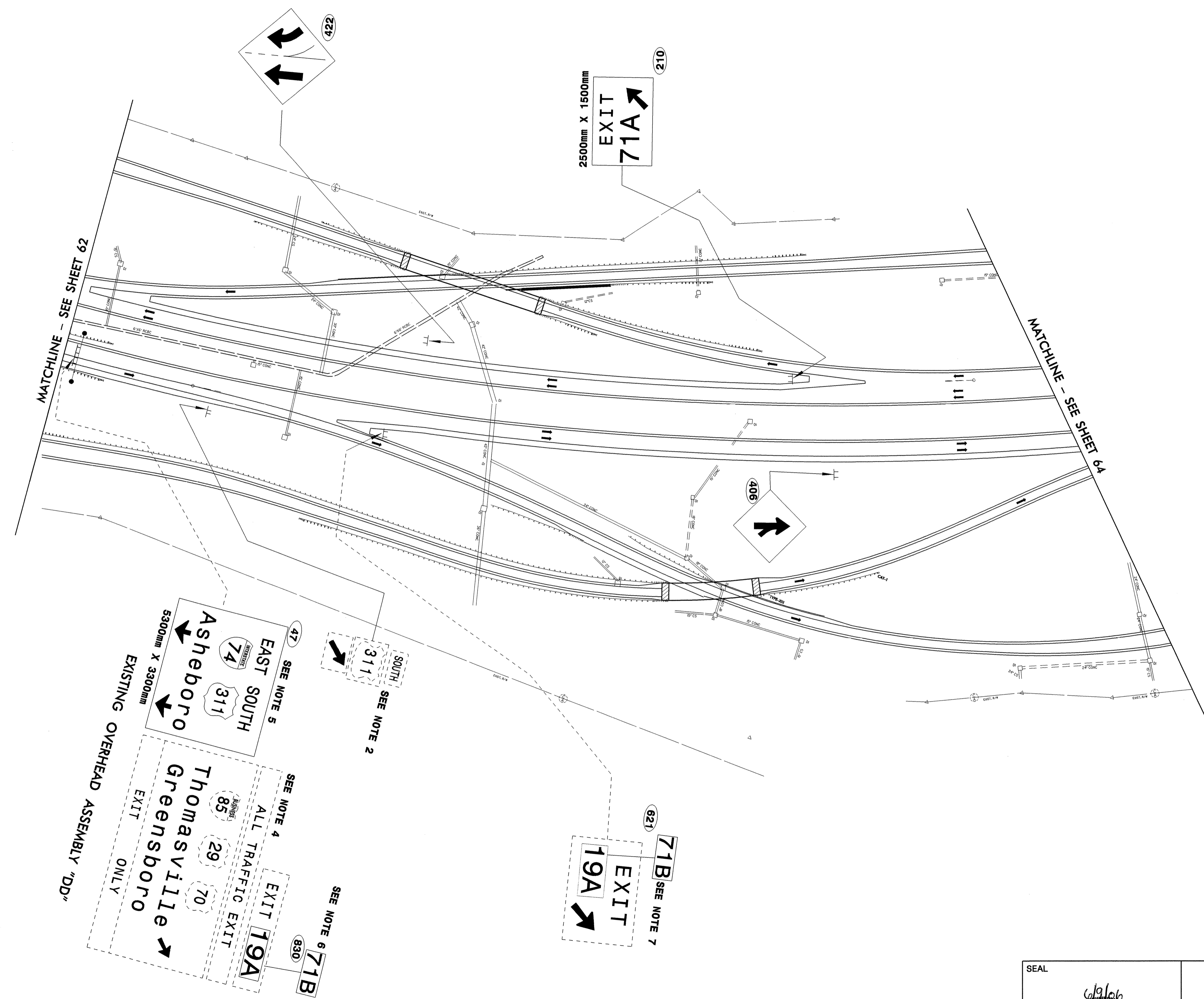
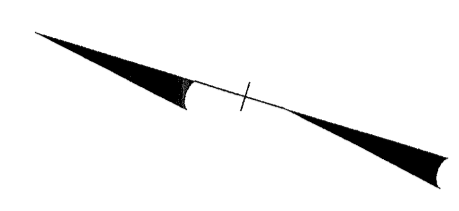
MATCHLINE - SEE SHEET 63

* SIGNALIZED INTERSECTION



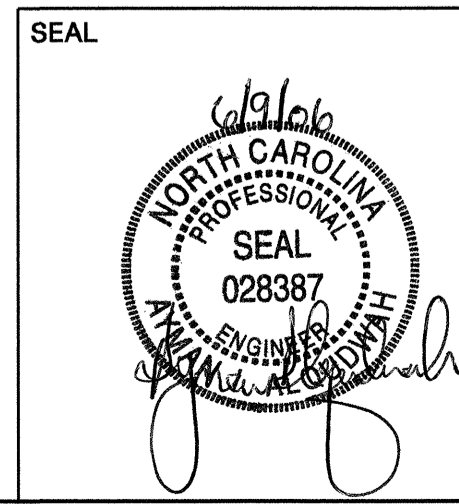
EXISTING AND PROPOSED SIGNS
US 311

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

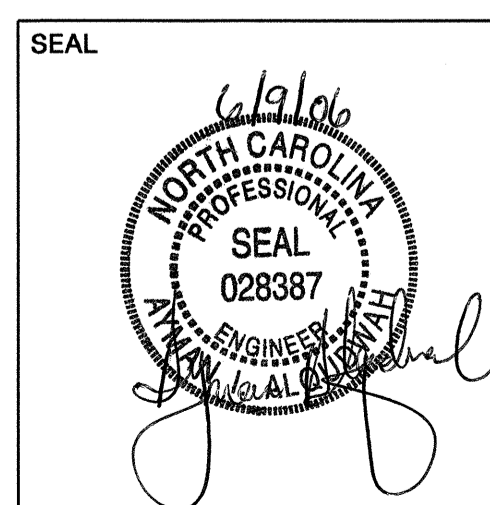
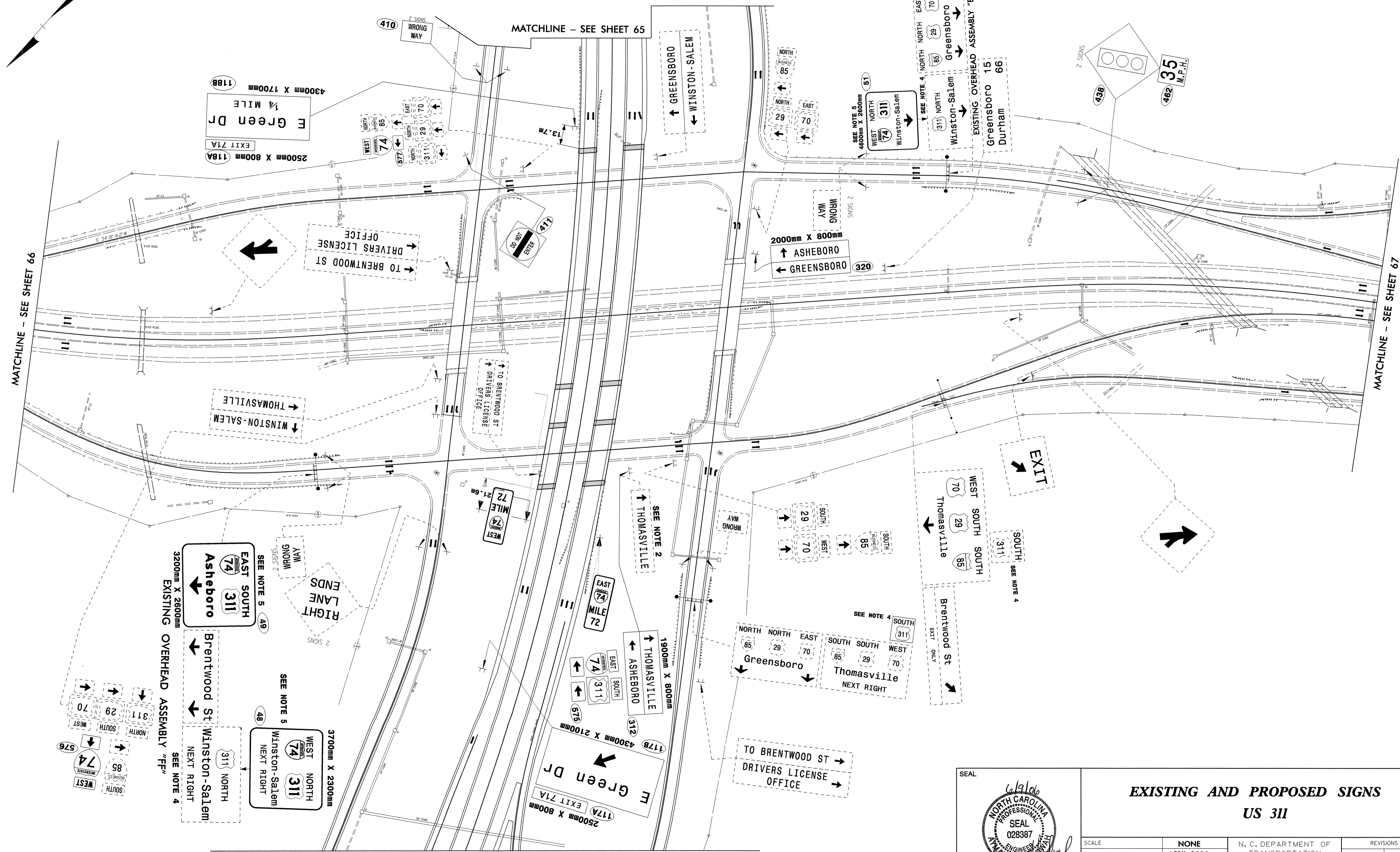
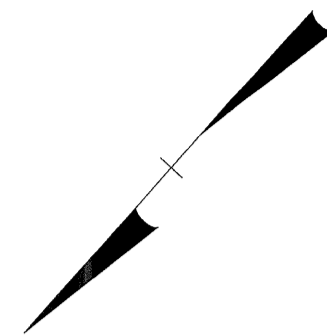


47 SEE NOTE 5
 EAST SOUTH
 Asheboro
 311
 5300mm X 3300mm
 EXISTING OVERHEAD ASSEMBLY "DD"
 85 29 70
 Thomasville
 Greensboro
 EXIT ONLY
 830 SEE NOTE 6
 EXIT 19A
 ALL TRAFFIC EXIT
 831 SEE NOTE 7
 EXIT 19A
 EXIT 71B
 311 SOUTH
 SEE NOTE 2

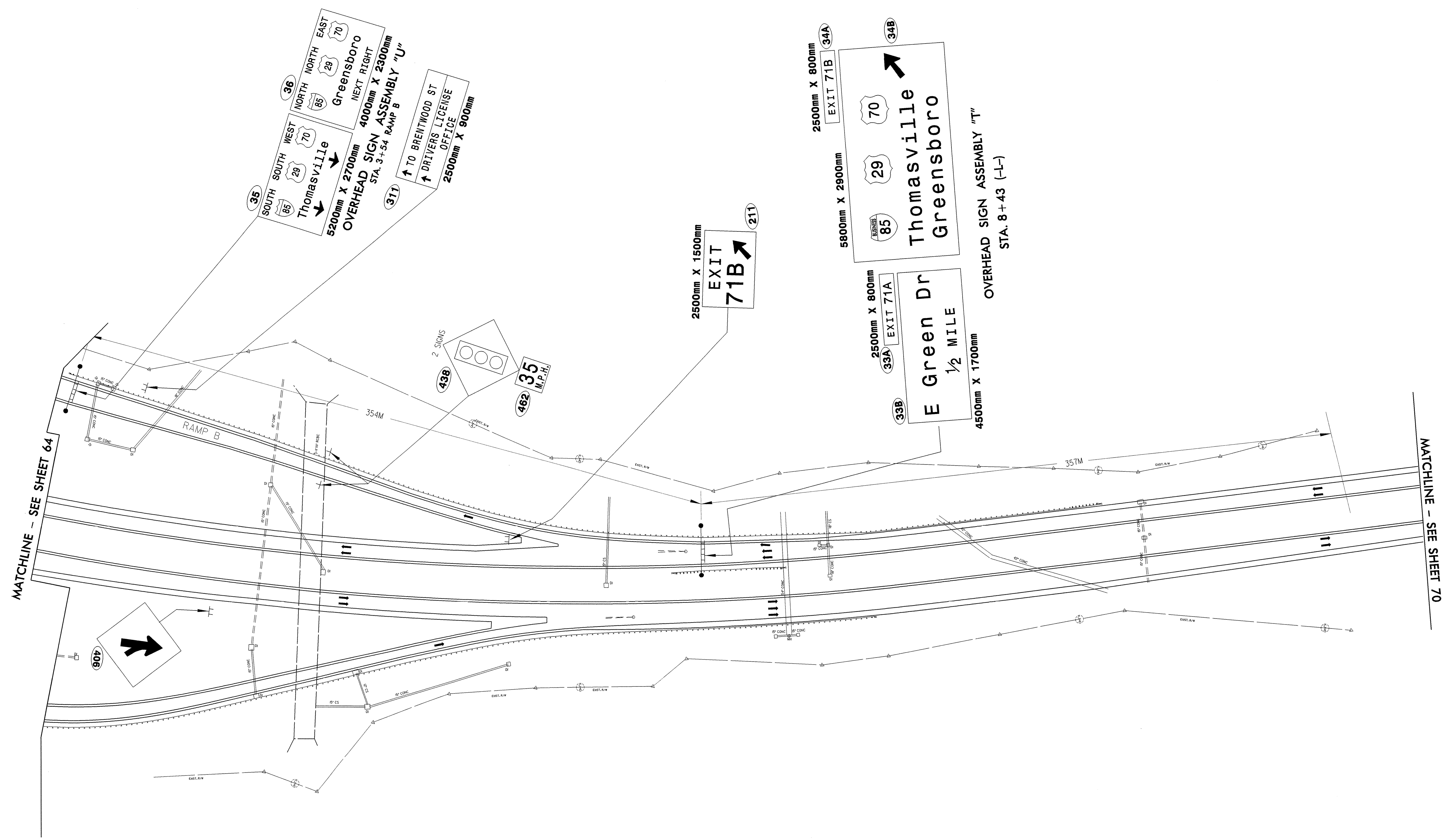
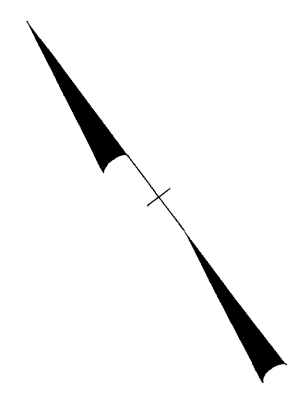
* SIGNALIZED INTERSECTION



EXISTING AND PROPOSED SIGNS		US 311	
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



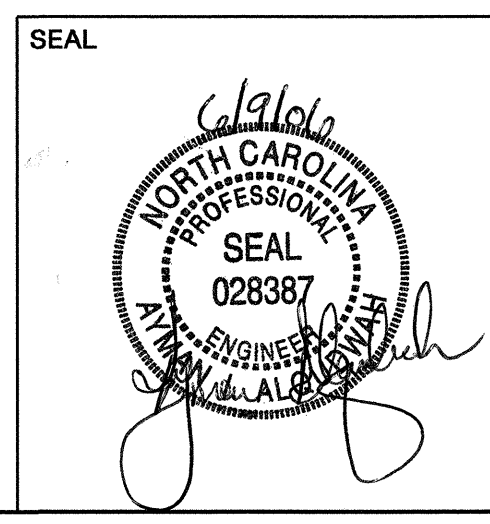
EXISTING AND PROPOSED SIGNS		US 311	
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



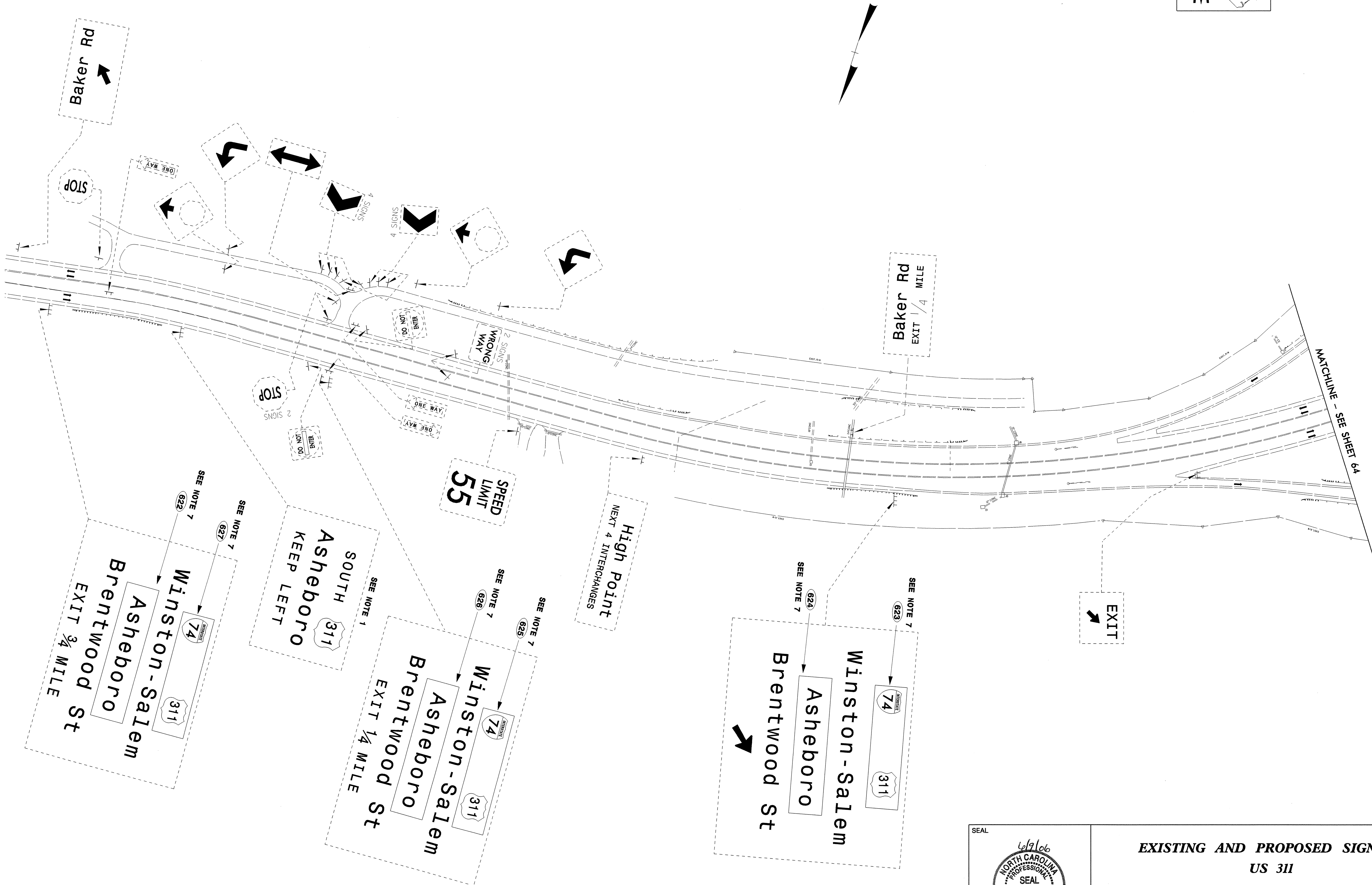
MATCHLINE - SEE SHEET 64

MATCHLINE - SEE SHEET 70

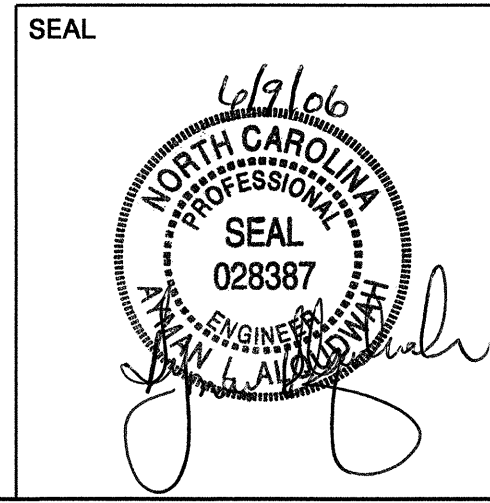
* SIGNALIZED INTERSECTION



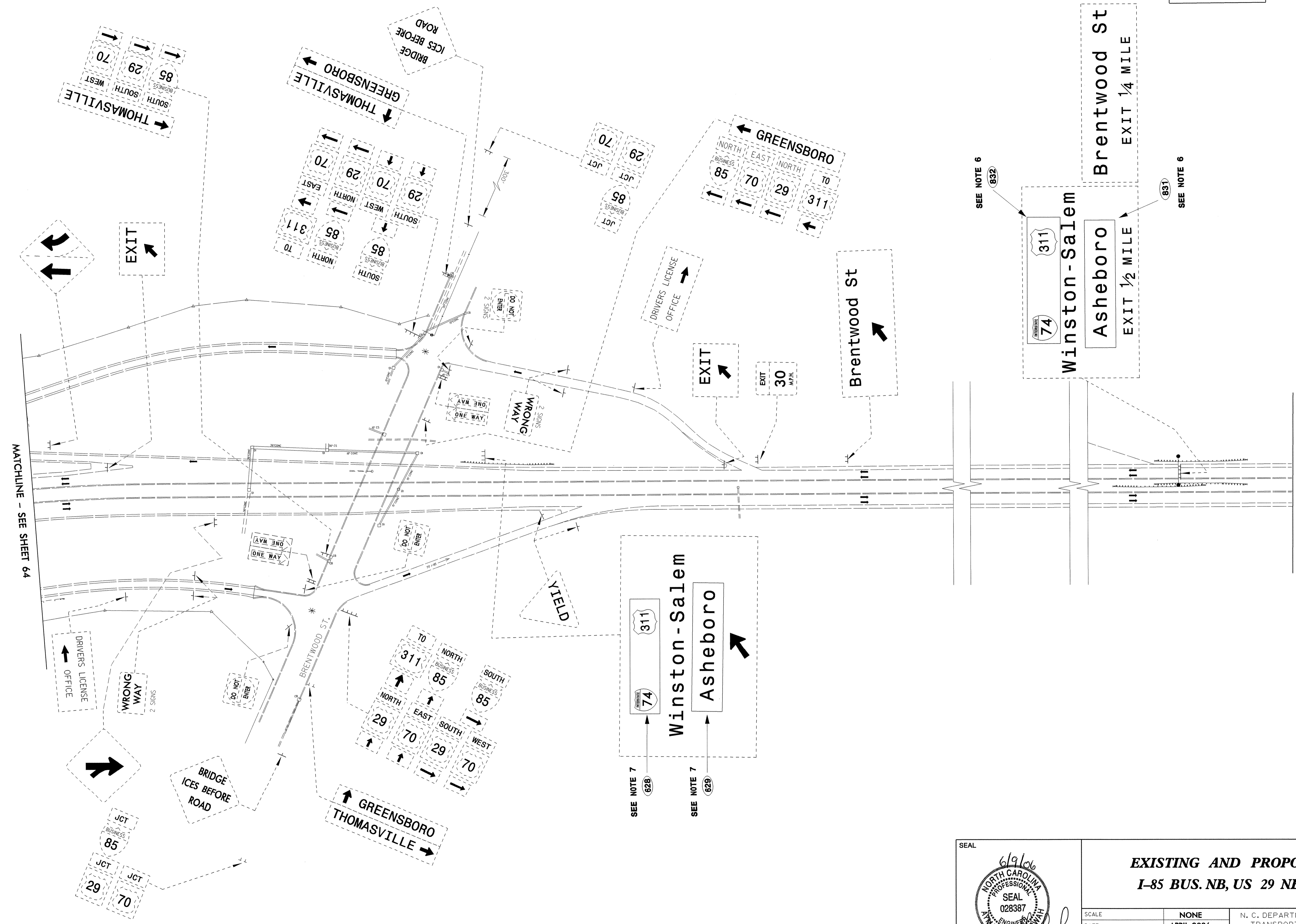
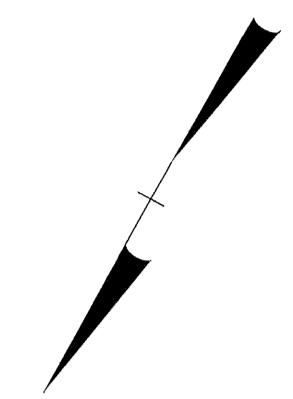
EXISTING AND PROPOSED SIGNS			
US 311			
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



* SIGNALIZED INTERSECTION



EXISTING AND PROPOSED SIGNS		US 311	
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



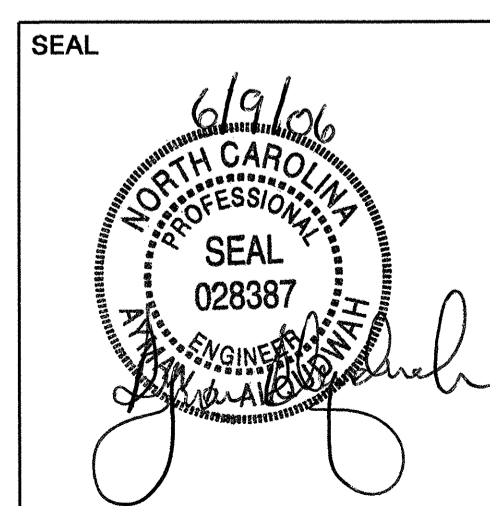
SEE NOTE 6
832

SEE NOTE 6
831

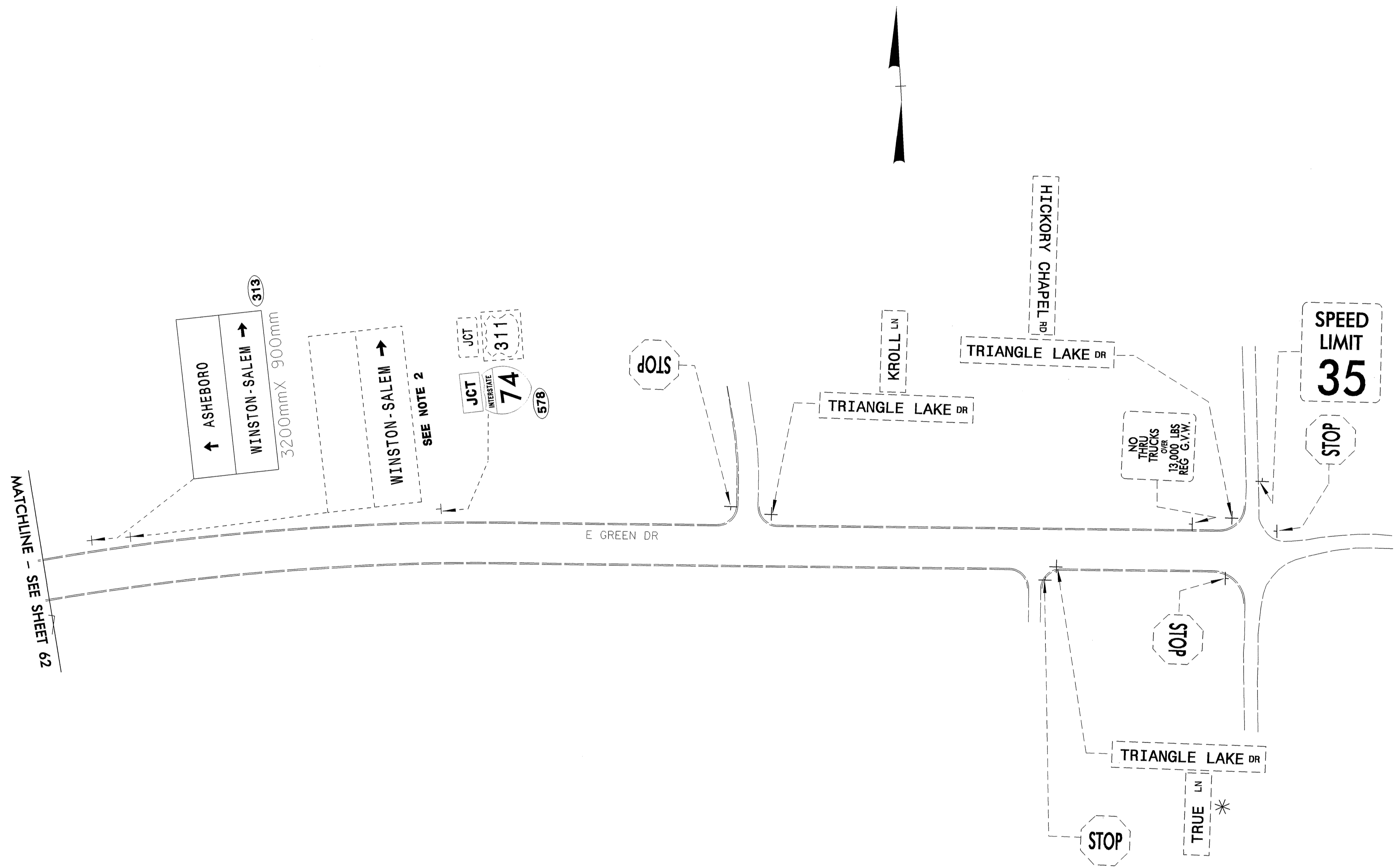
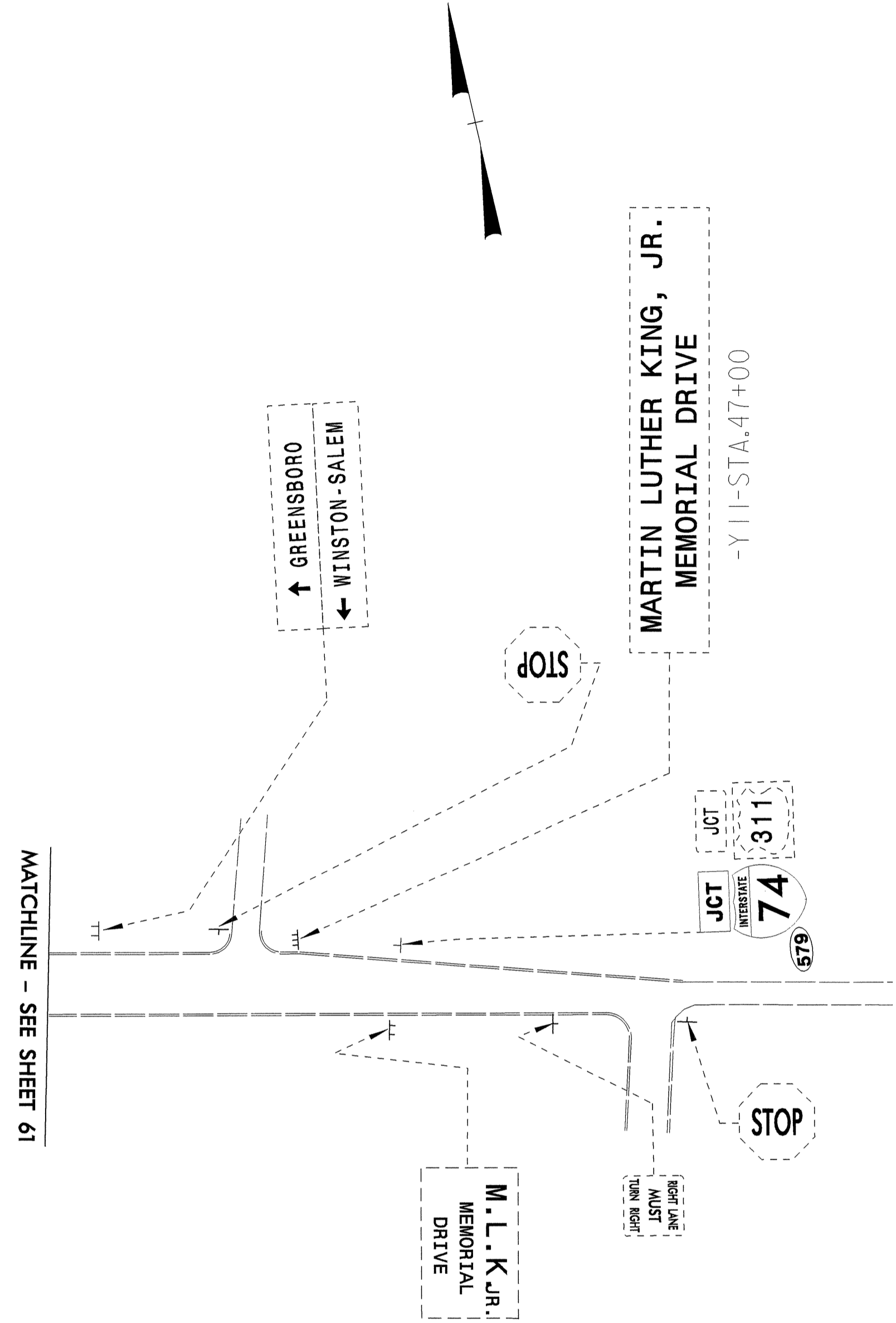
SEE NOTE 7
628

SEE NOTE 7
628

* SIGNALIZED INTERSECTION



EXISTING AND PROPOSED SIGNS			
I-85 BUS. NB, US 29 NB, US 70 EB			
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

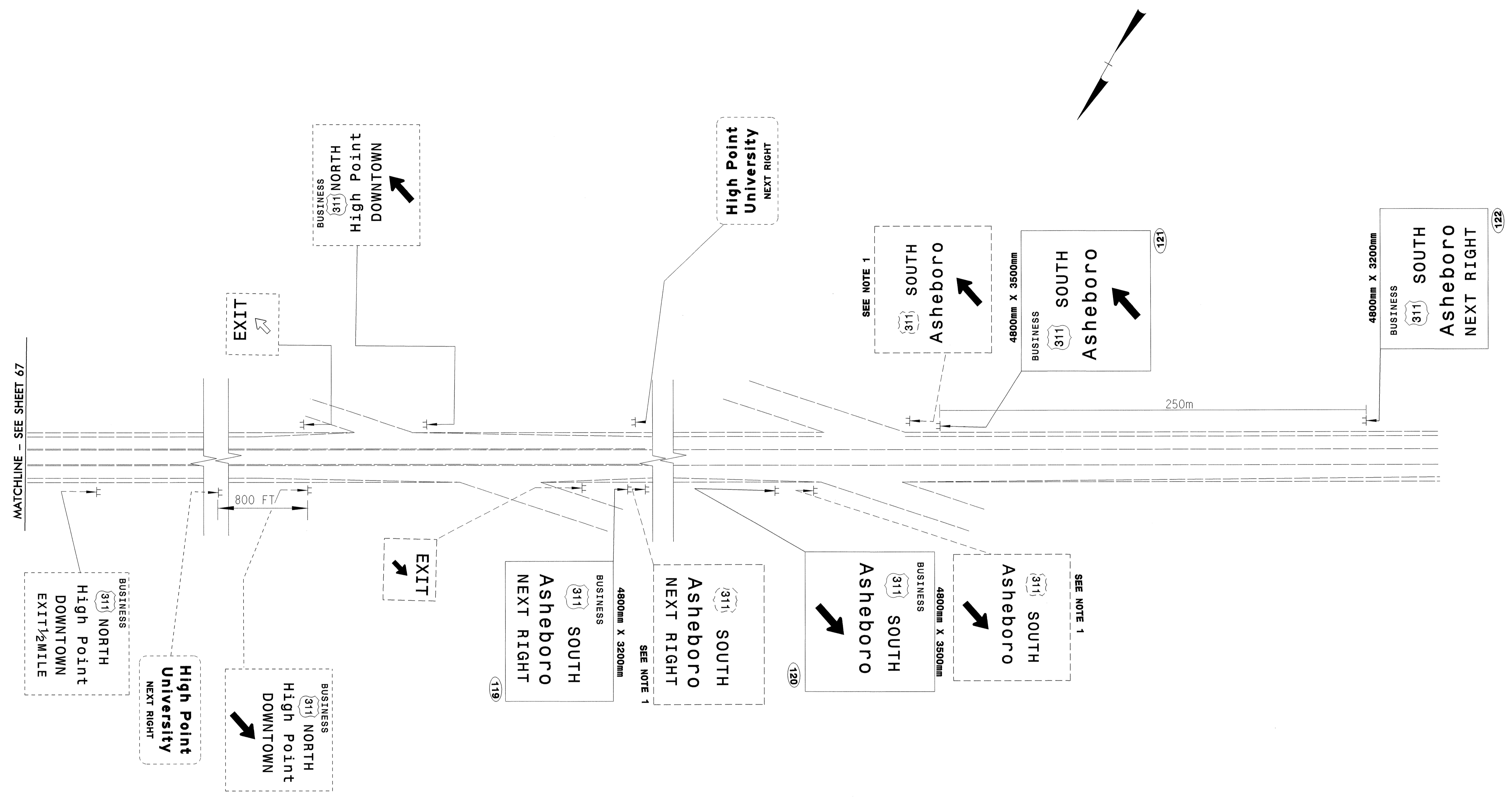


SEAL

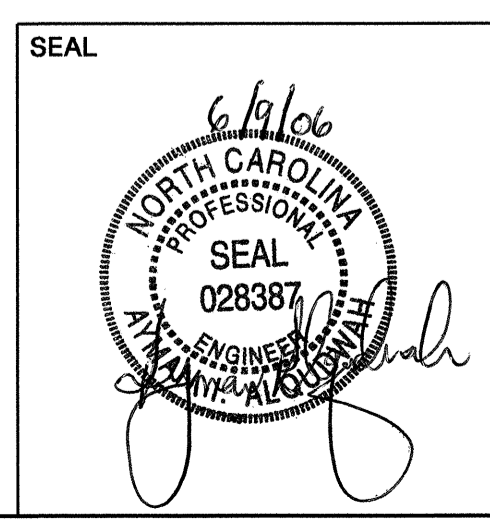


**EXISTING AND PROPOSED SIGNS
EAST GREEN DR**

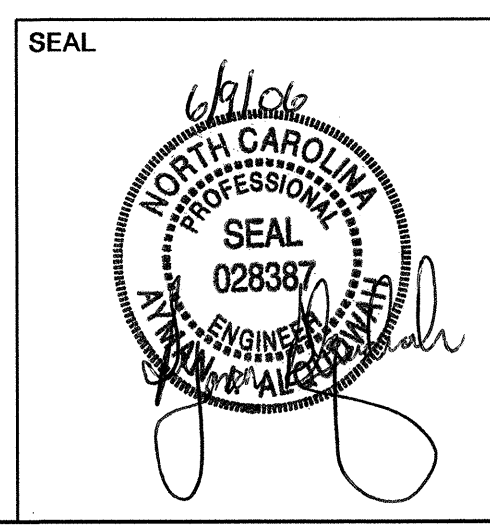
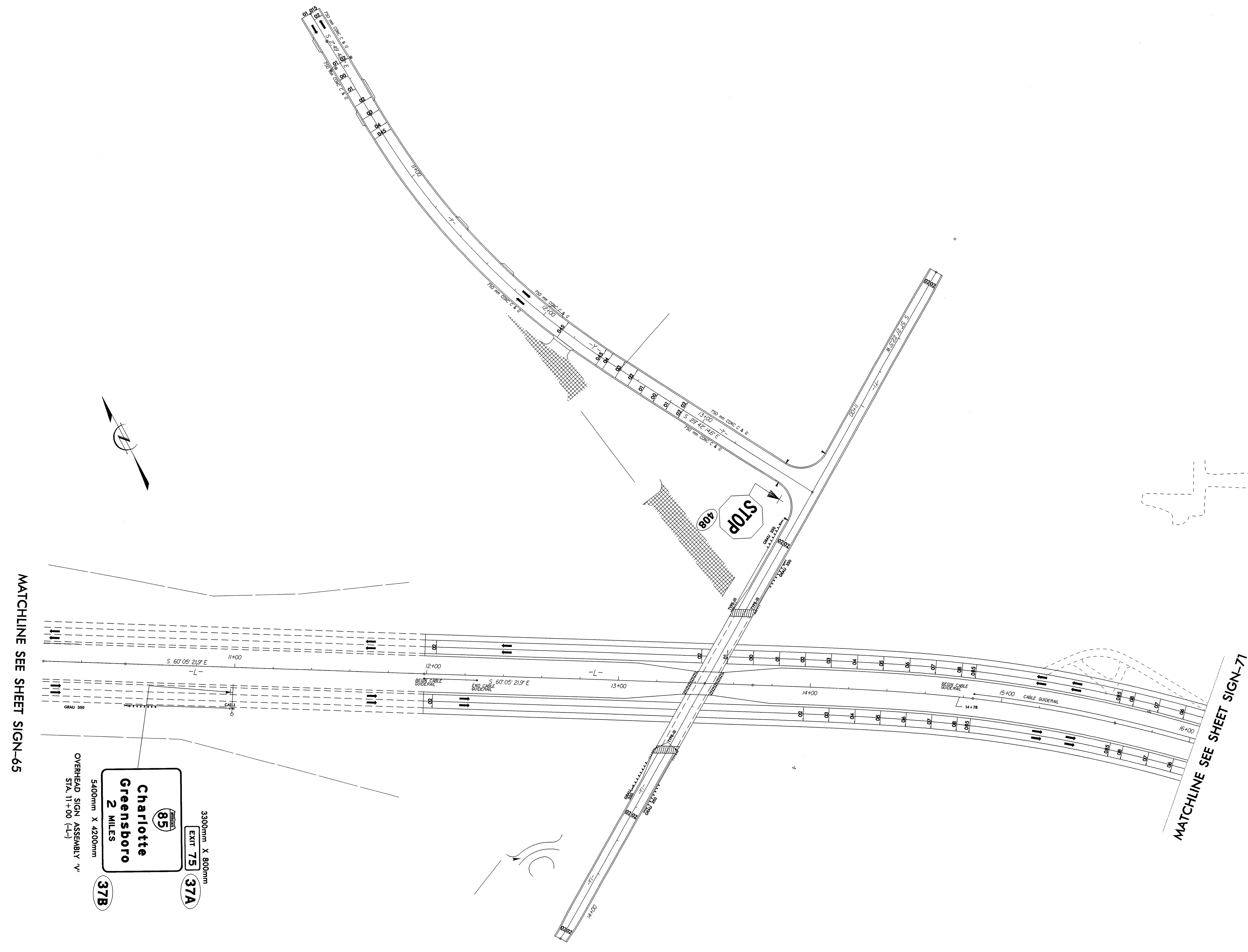
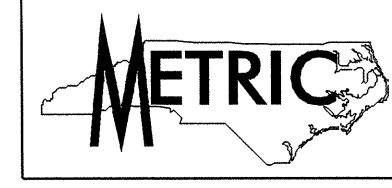
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	APRIL 2006		
SIGNING DESIGN ENG	S. JOHNS	DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



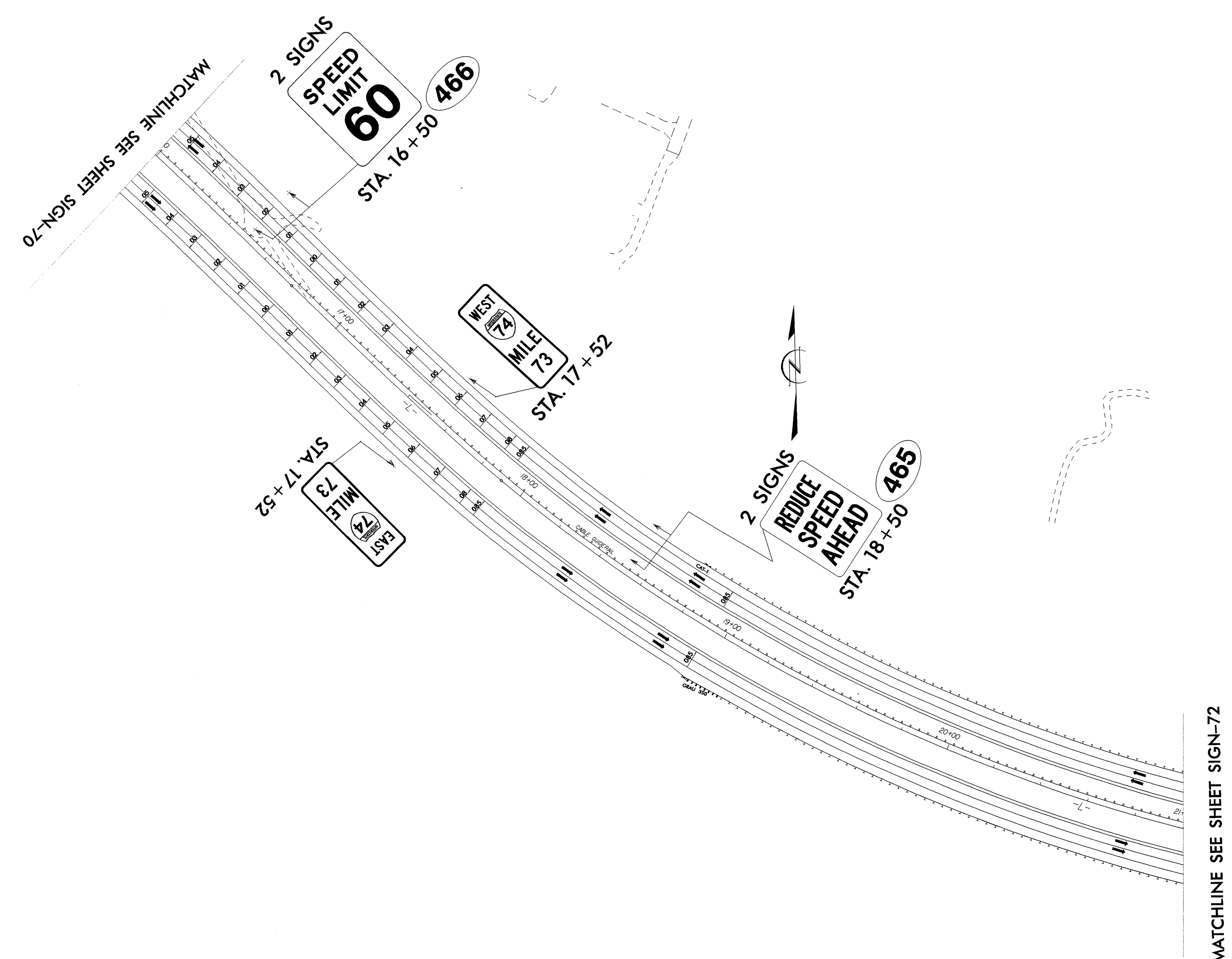
MATCHLINE - SEE SHEET 67



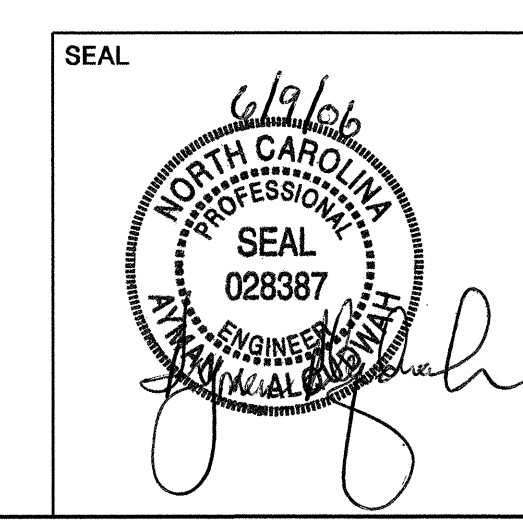
EXISTING AND PROPOSED SIGNS			I-85 BUS. NB, US 29 NB, US 70 EB	
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS	
DATE	APRIL 2006			
SIGNING DESIGN ENG	S. JOHNS			
SIGNING PROJECT DGN ENG	K. JORDAN			
SIGNING PROJECT ENG	A. ALQUDWAH			



PROPOSED SIGNS			
STA. 11+00 TO STA. 16+00 (L)			
I-74/US 311			
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

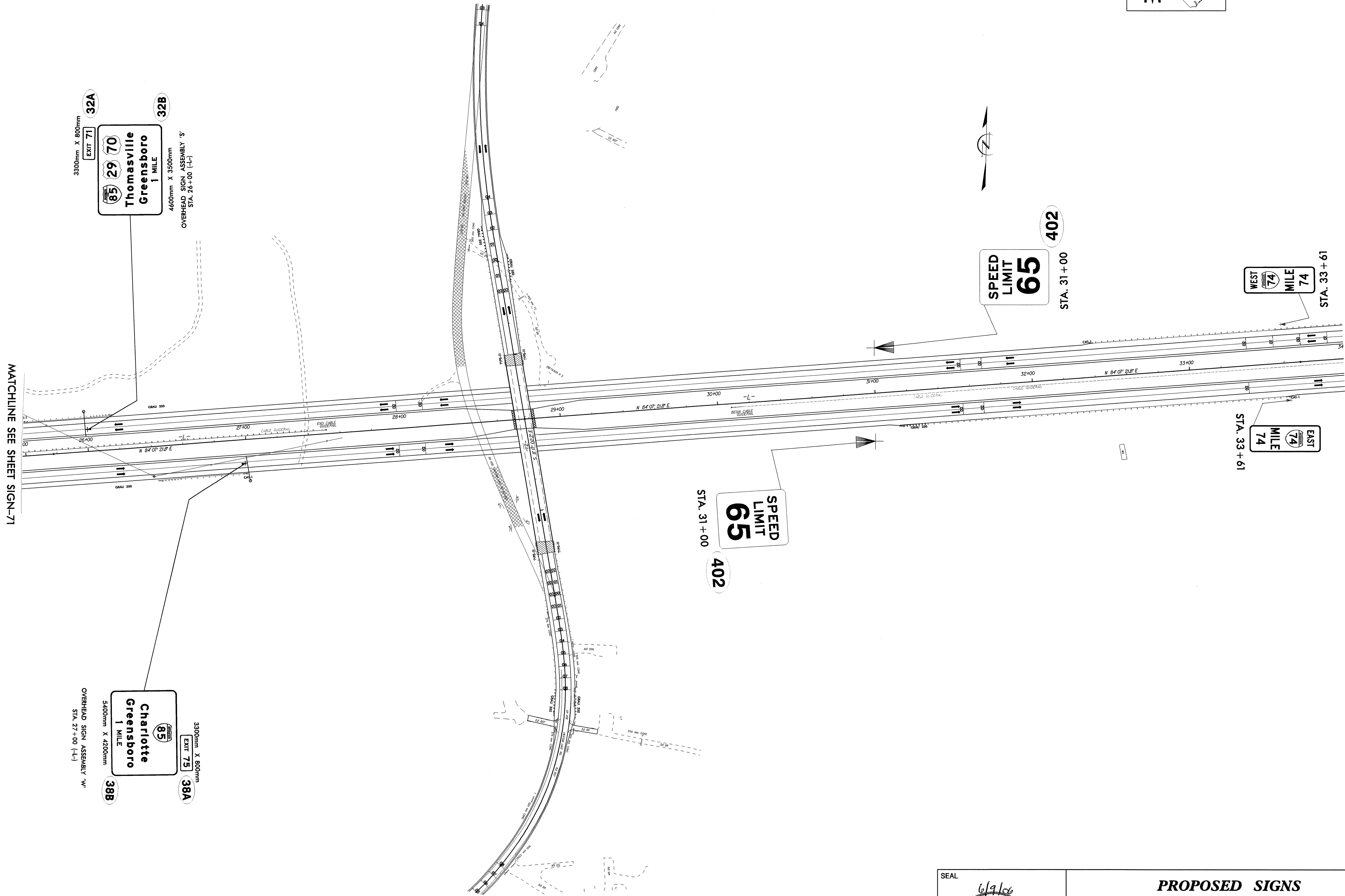


MATCHLINE SEE SHEET SIGN-72



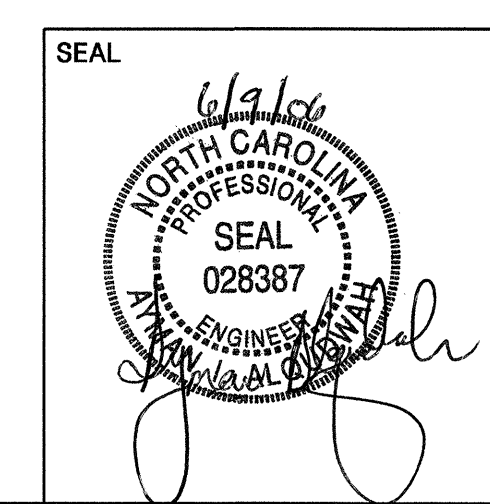
PROPOSED SIGNS
STA. 16+00 TO STA. 21+00 (L)
I-74/US 311

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



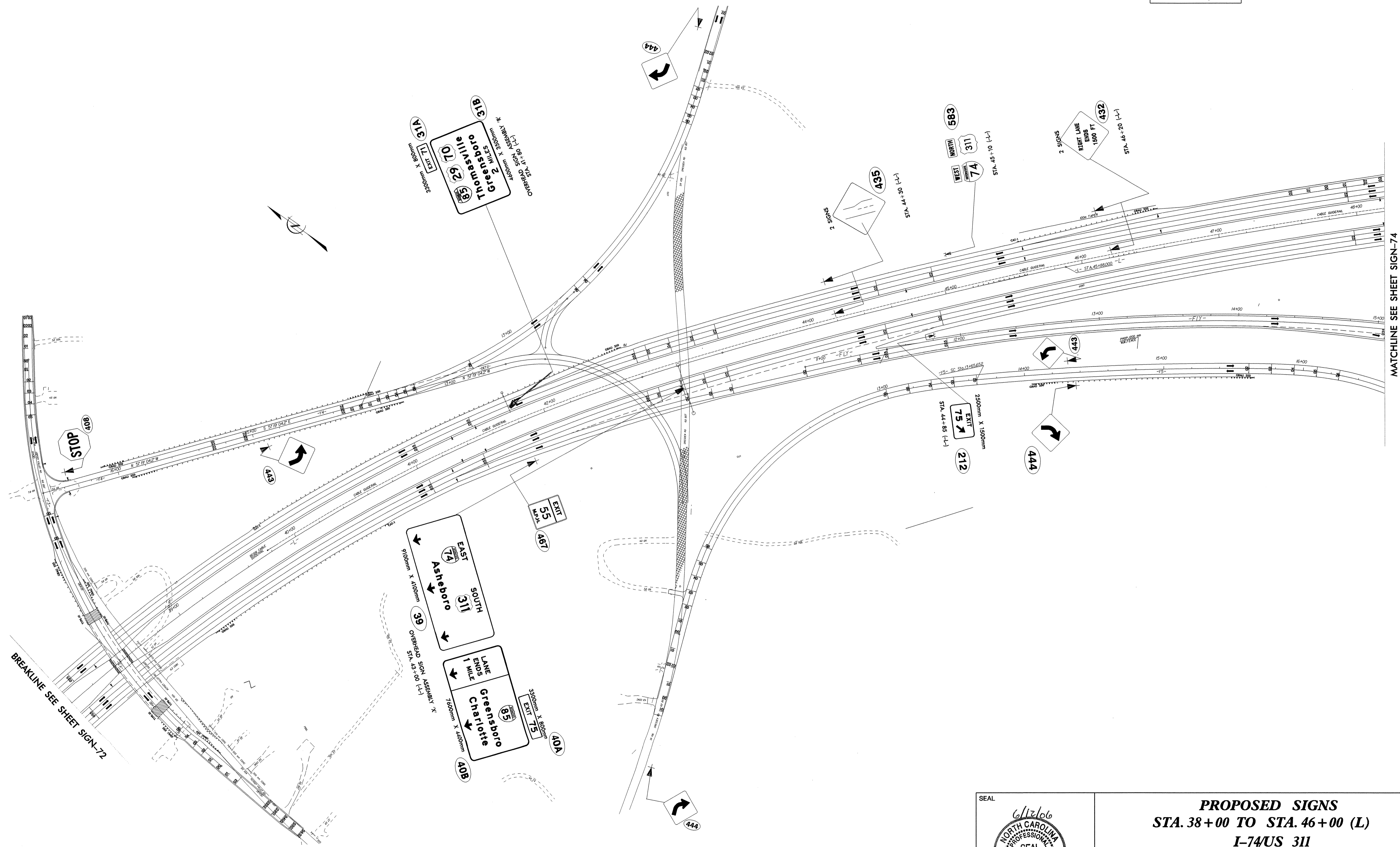
MATCHLINE SEE SHEET SIGN-71

BREAKLINE SEE SHEET SIGN-73



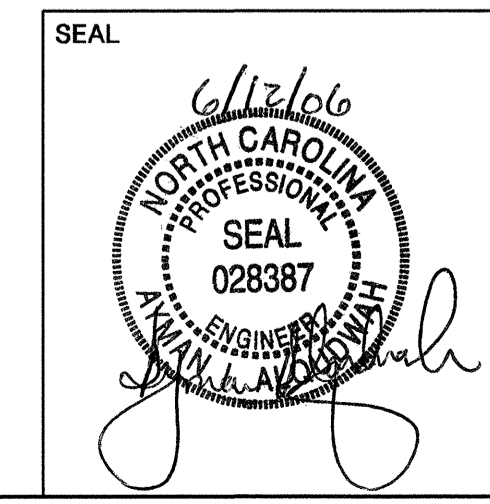
PROPOSED SIGNS
STA. 25+00 TO STA. 34+00 (L)
I-74/US 311

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



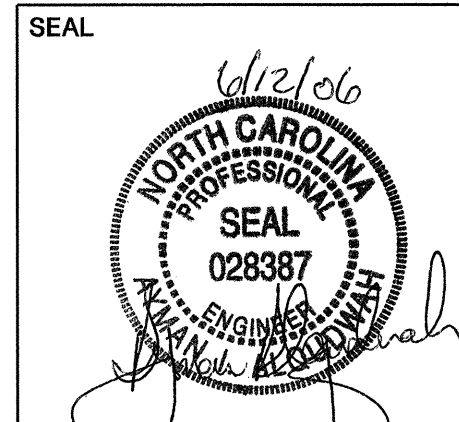
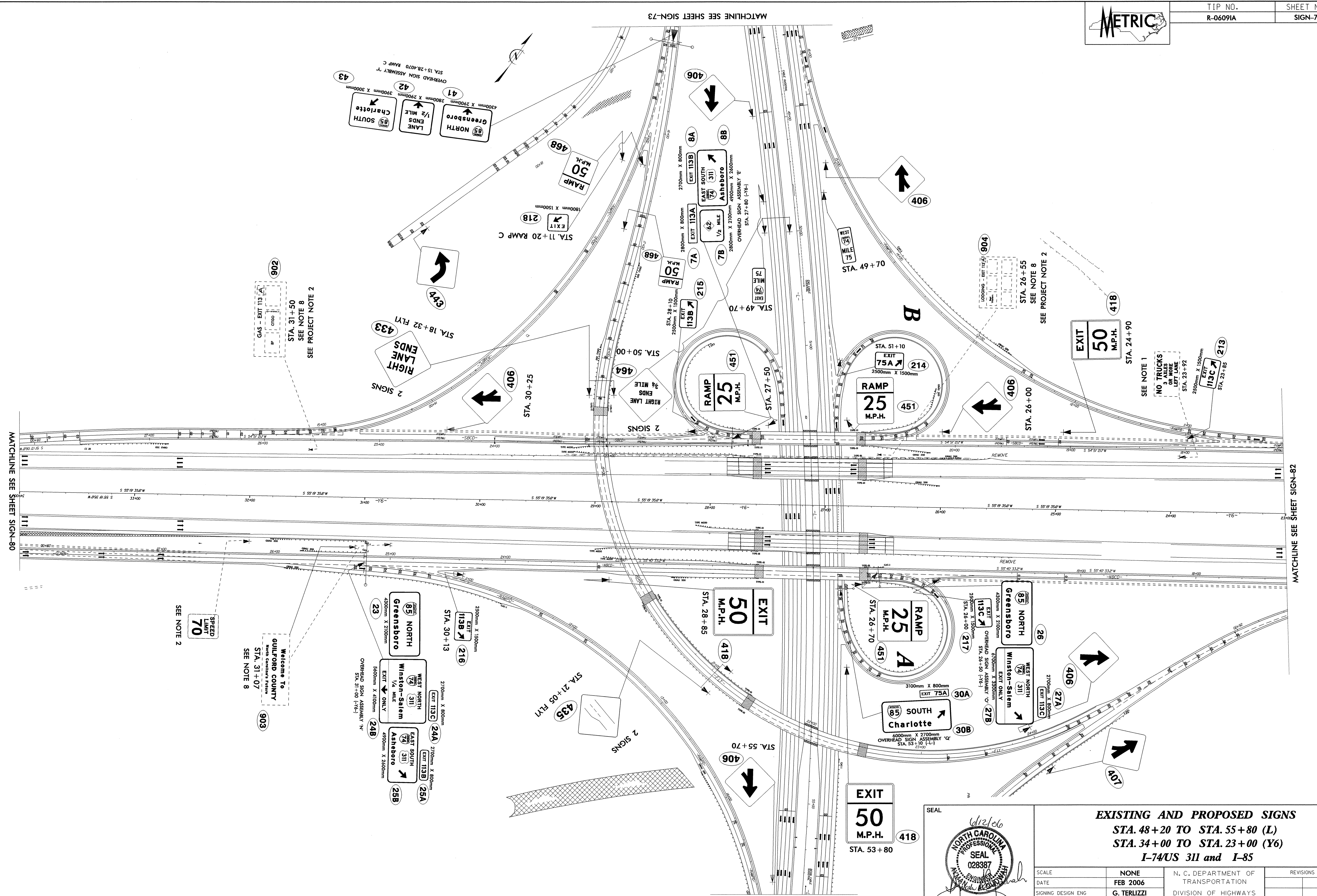
MATCHLINE SEE SHEET SIGN-74

BREAKLINE SEE SHEET SIGN-72



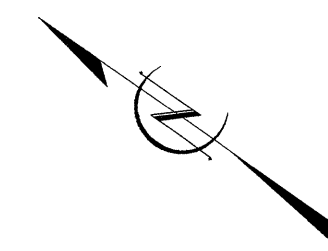
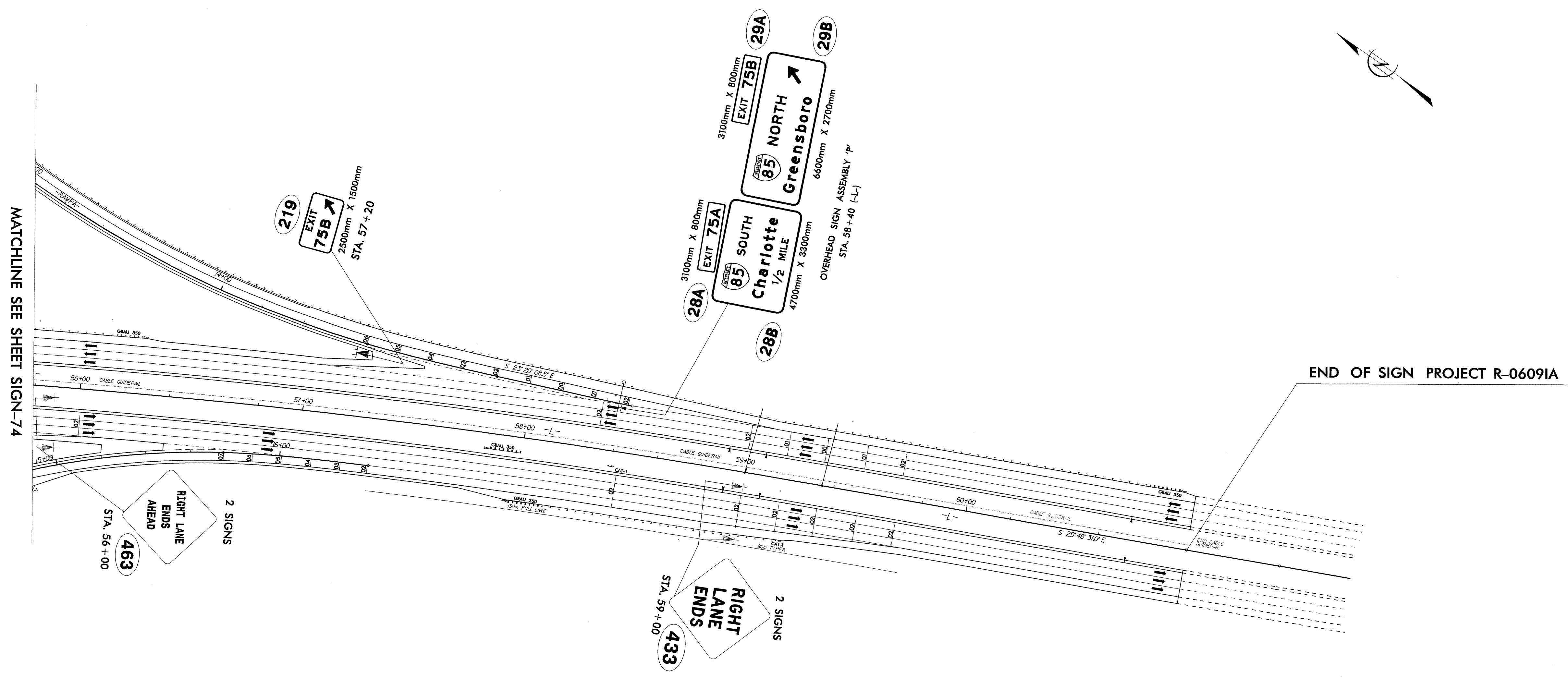
PROPOSED SIGNS
STA. 38+00 TO STA. 46+00 (L)
I-74/US 311

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



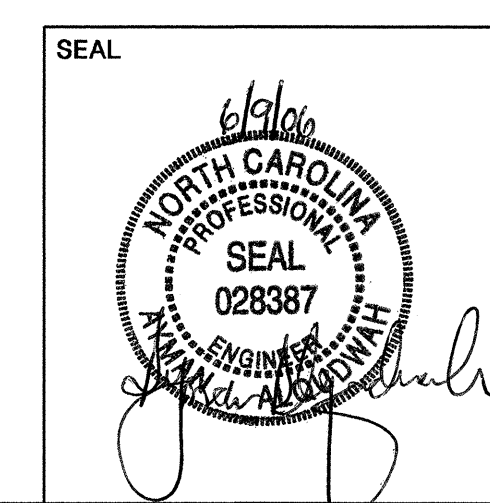
EXISTING AND PROPOSED SIGNS
 STA. 48+20 TO STA. 55+80 (L)
 STA. 34+00 TO STA. 23+00 (Y6)
 I-74/US 311 and I-85

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	FEB 2006	DIVISION OF HIGHWAYS	
SIGNING DESIGN ENG	G. TERLUZZI	TRAFFIC ENGINEERING BRANCH	
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



MATCHLINE SEE SHEET SIGN-74

END OF SIGN PROJECT R-06091A

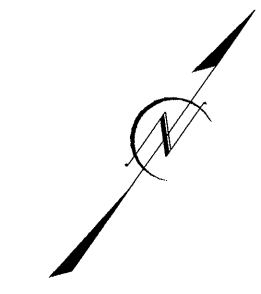
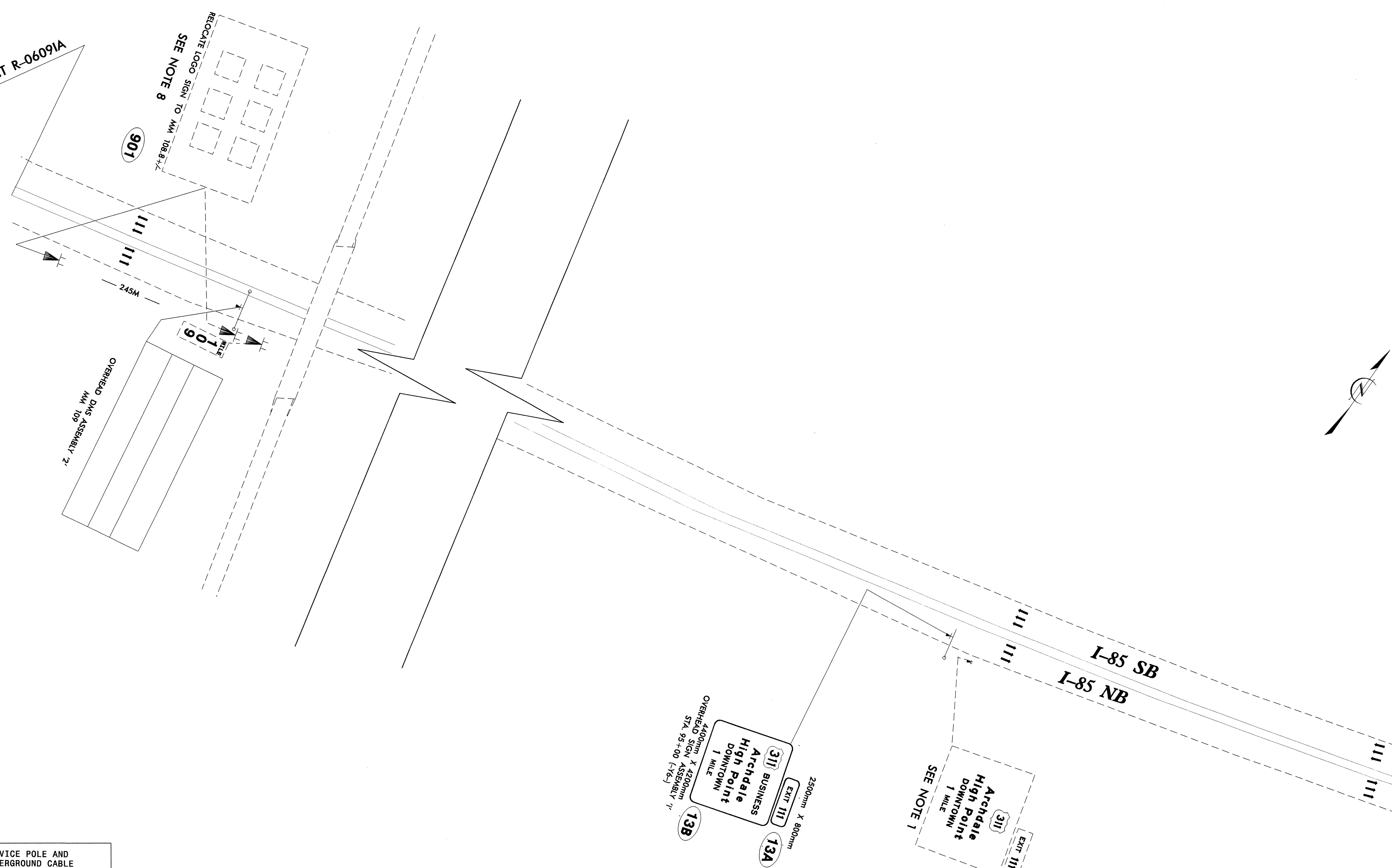


**PROPOSED SIGNS
STA. 55+80 TO STA. 61+00 (L)
I-74/US 311**

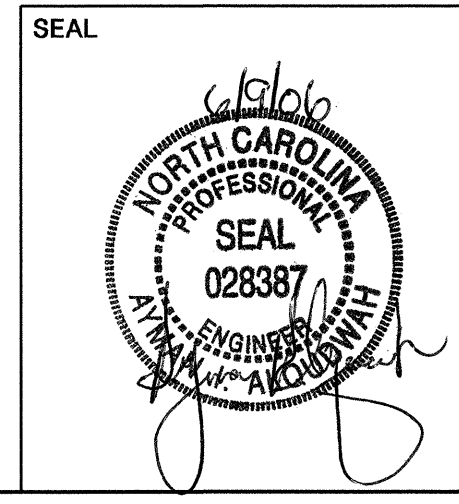
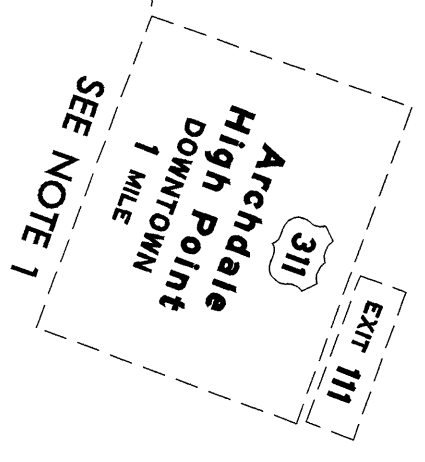
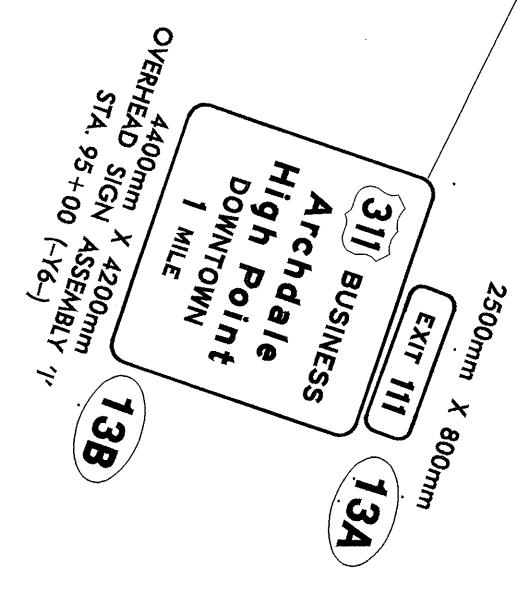
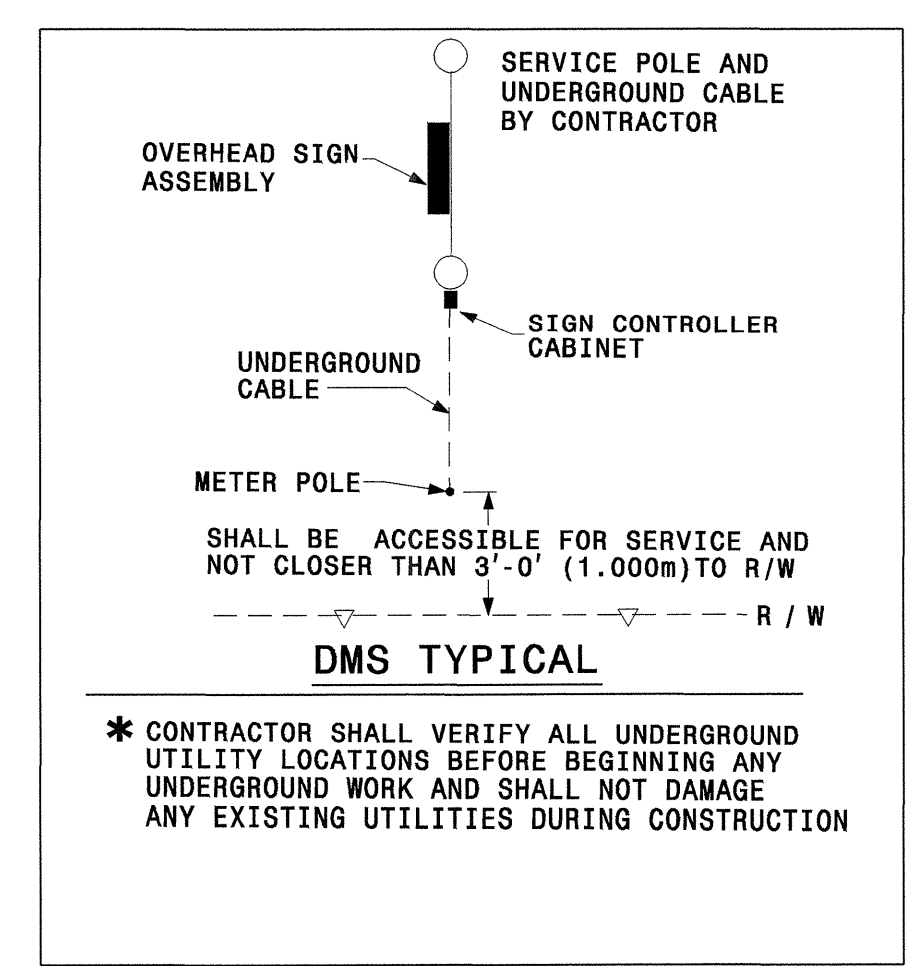
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



END OF SIGN PROJECT R-06091A

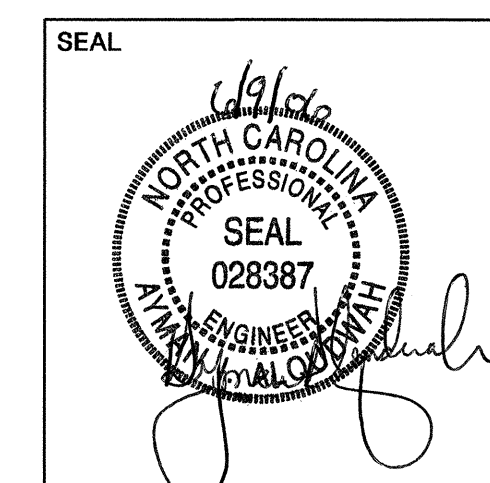
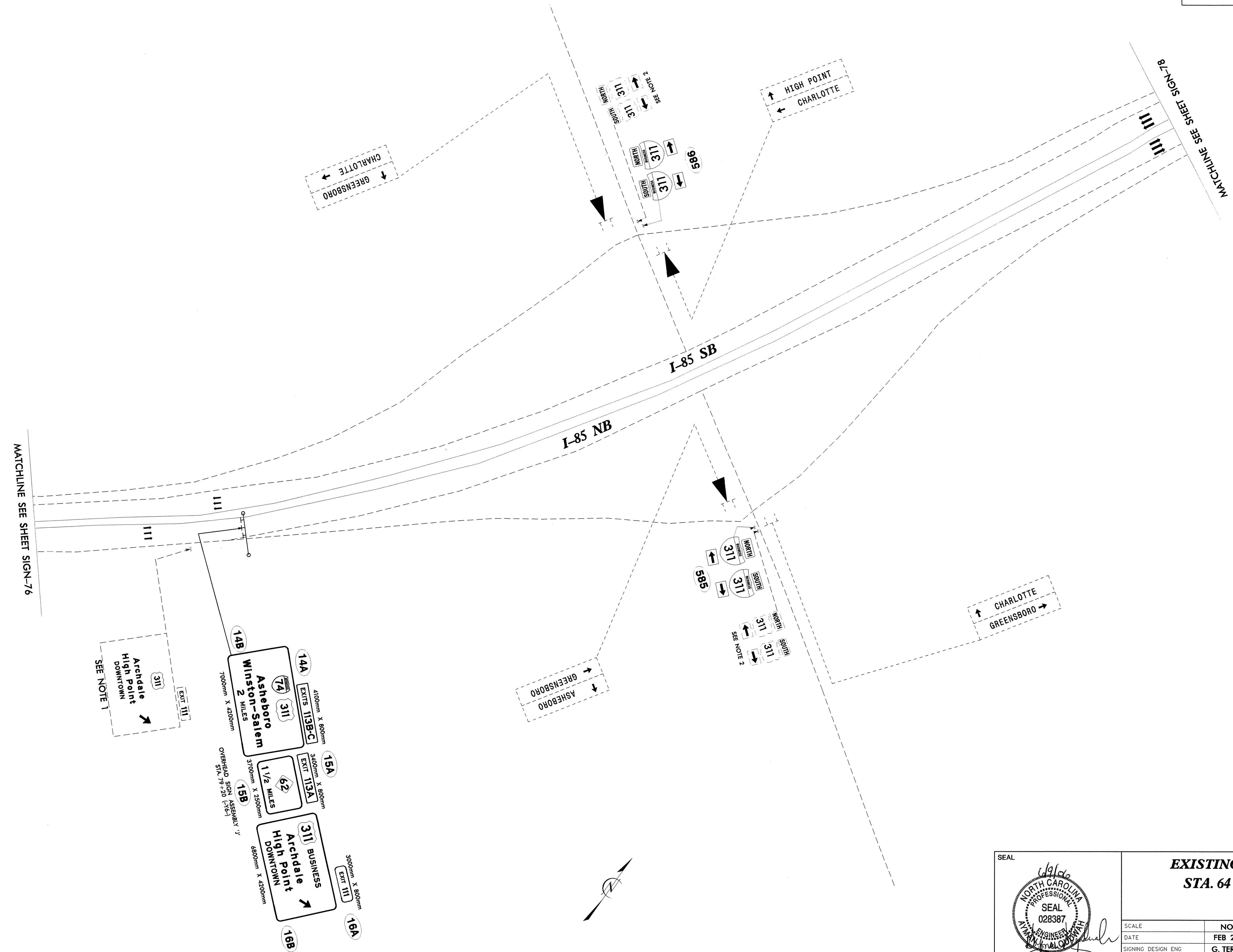
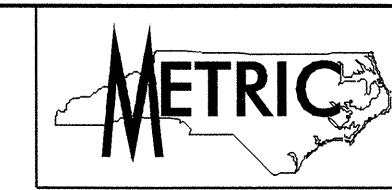


MATCHLINE SEE SHEET SIGN-77



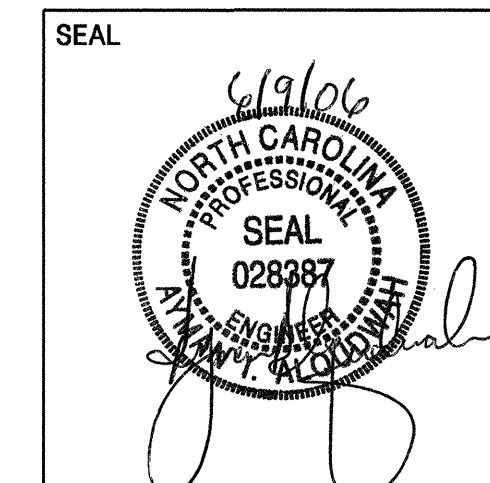
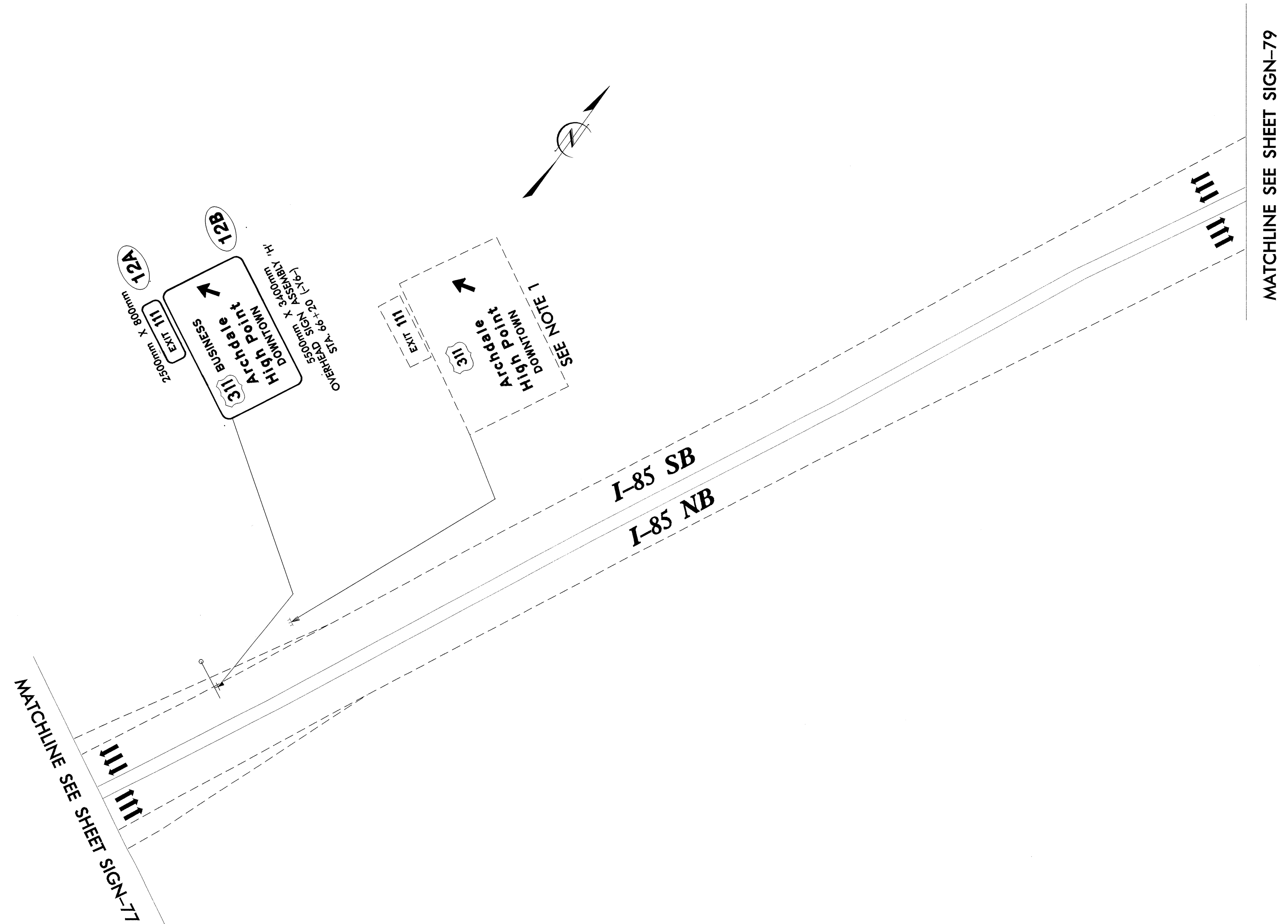
PROPOSED SIGNS
MM 108+00 TO STA. 64+00 (Y6)
I-85

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



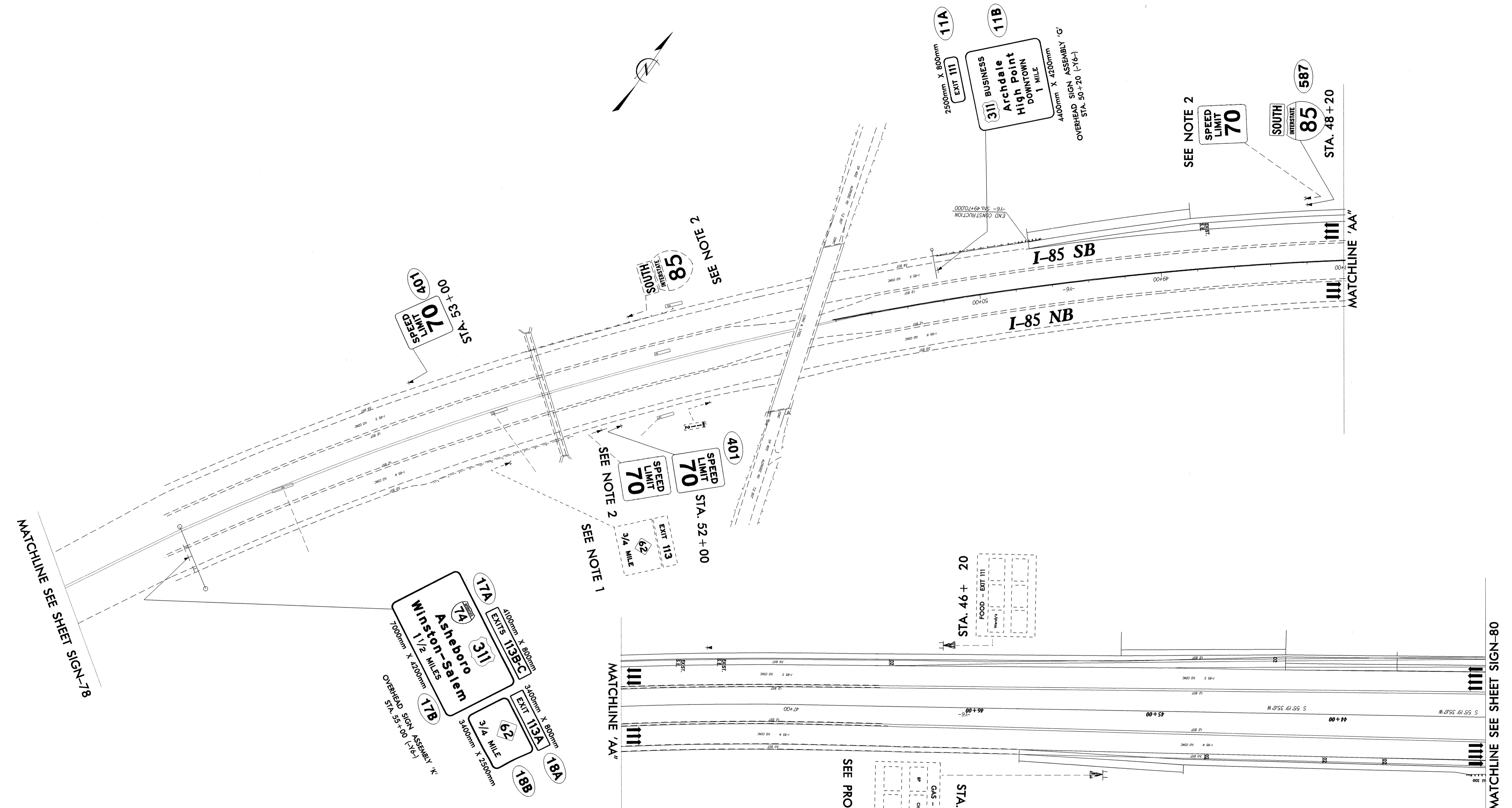
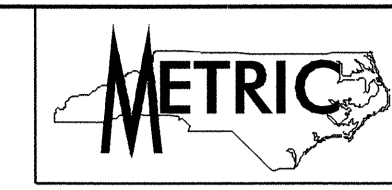
EXISTING AND PROPOSED SIGNS
STA. 64+00 TO STA. 59+00 (Y6)
I-85

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



**EXISTING & PROPOSED SIGNS
STA. 59+00 TO STA. 55+00 (Y6)
I-85**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



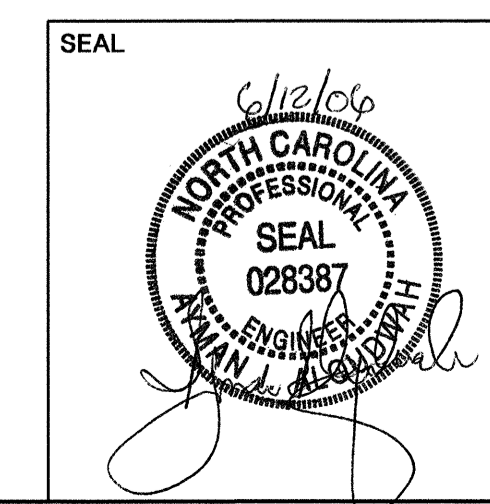
MATCHLINE SEE SHEET SIGN-78

SEE NOTE 1

SEE NOTE 2

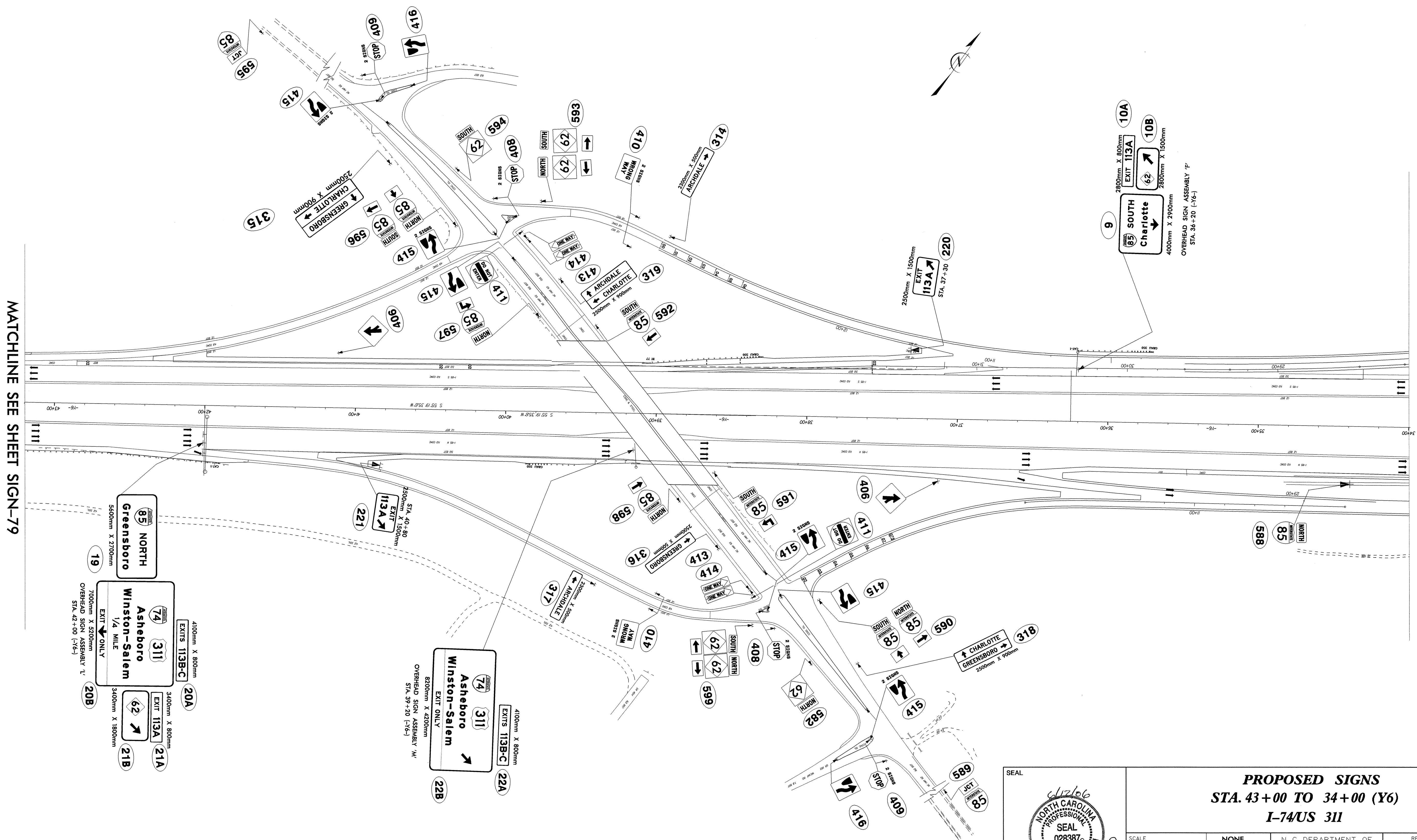
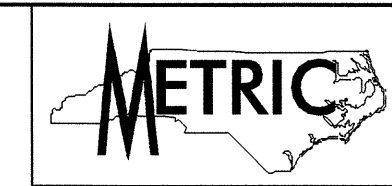
SEE PROJECT NOTE 2

MATCHLINE SEE SHEET SIGN-80



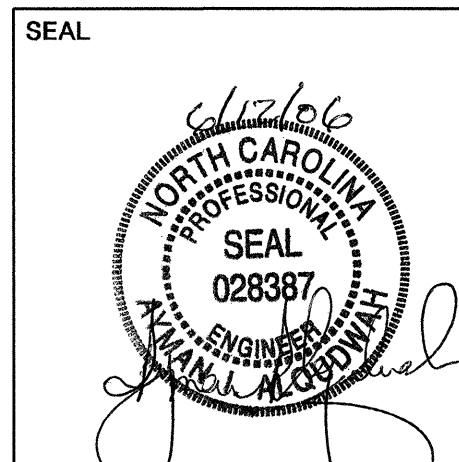
**EXISTING AND PROPOSED SIGNS
STA. 55+00 TO STA 48+00 (Y6)
I-85**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



MATCHLINE SEE SHEET SIGN-79

MATCHLINE SEE SHEET SIGN-74



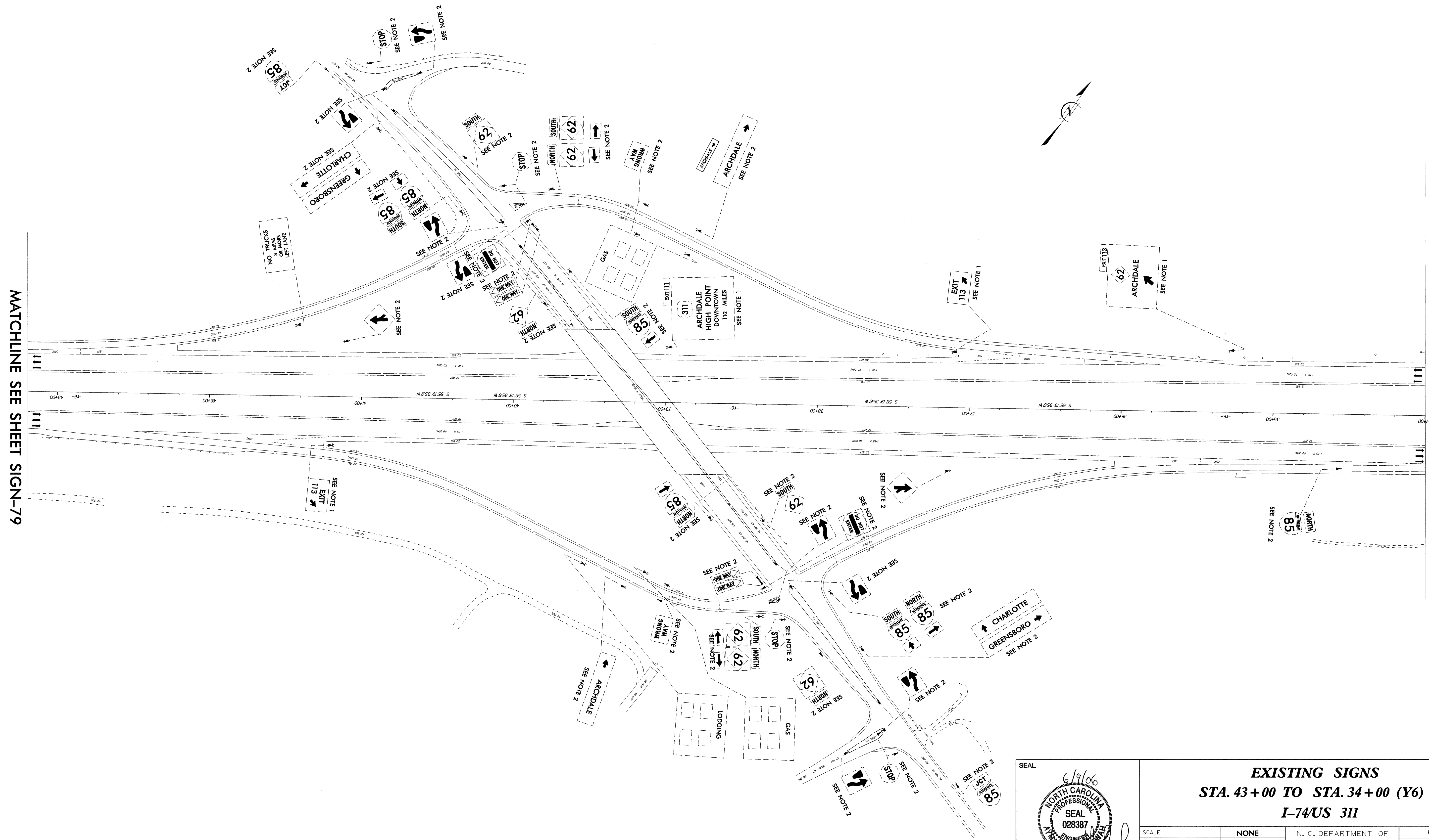
PROPOSED SIGNS
STA. 43+00 TO 34+00 (Y6)
I-74/US 311

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



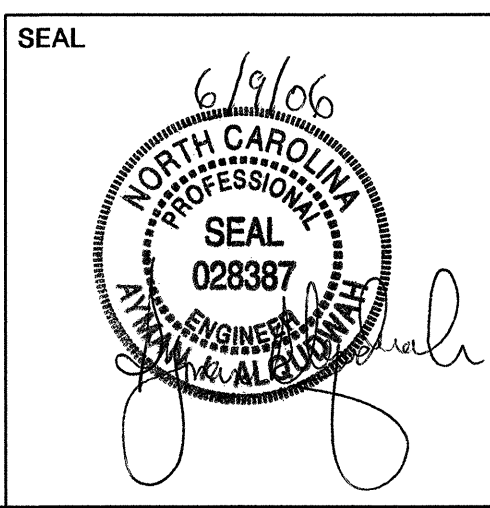
TIP NO.
R-06091A

SHEET NO.
SIGN-81



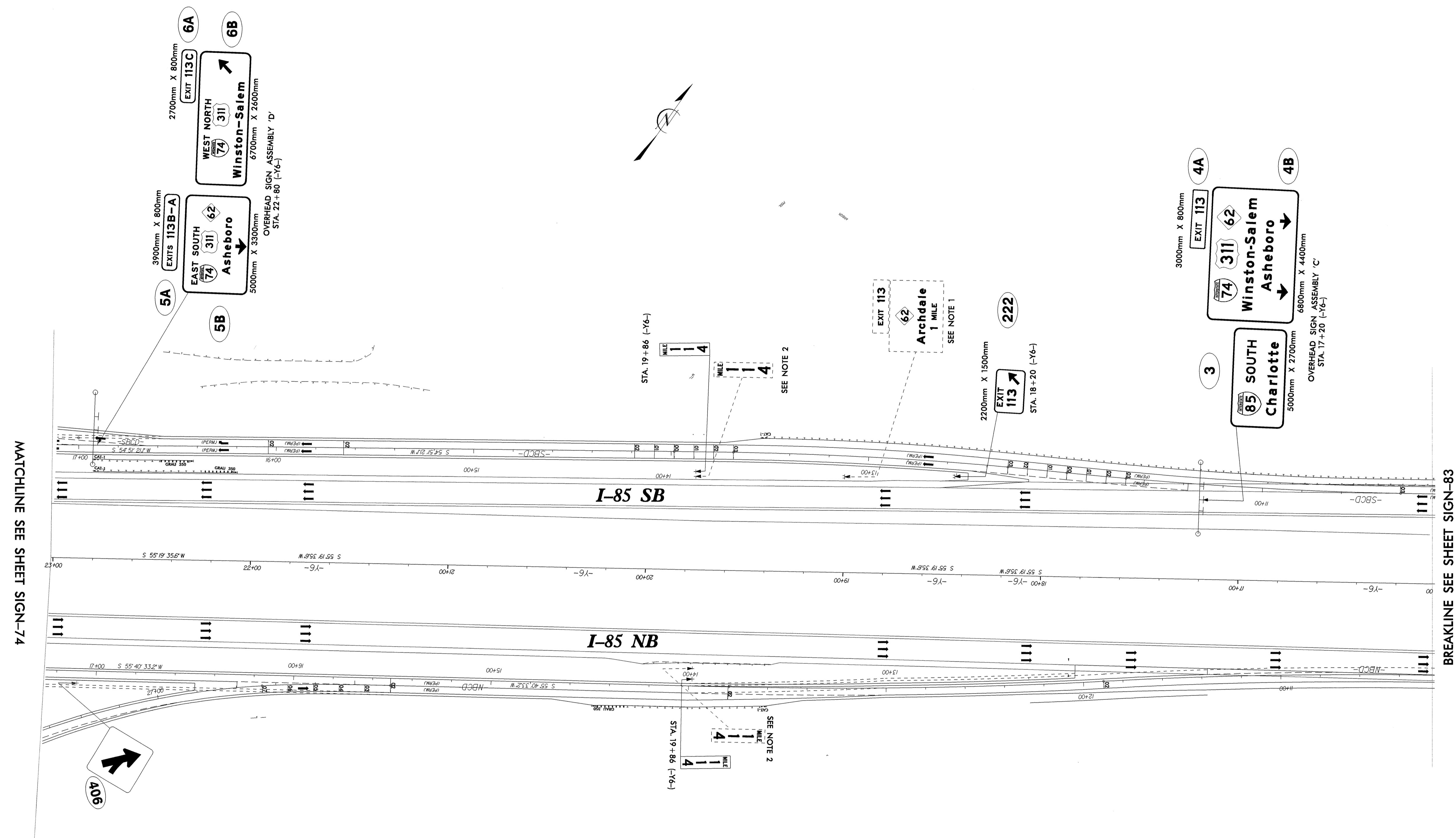
MATCHLINE SEE SHEET SIGN-79

MATCHLINE SEE SHEET SIGN-74



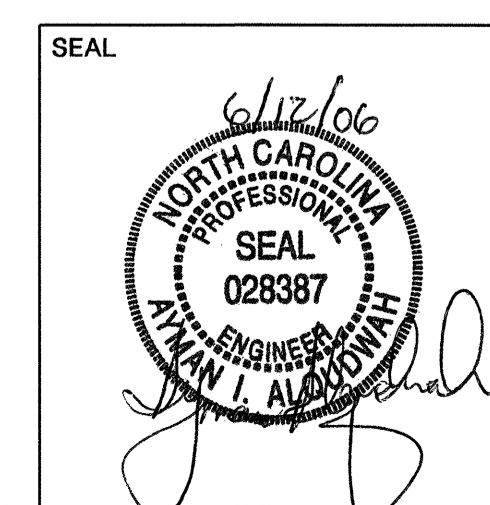
EXISTING SIGNS
STA. 43+00 TO STA. 34+00 (Y6)
I-74/US 311

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	FEB 2006	DIVISION OF HIGHWAYS	
SIGNING DESIGN ENG	G. TERLIZZI	TRAFFIC ENGINEERING BRANCH	
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



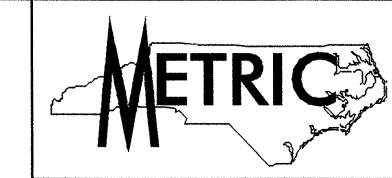
MATCHLINE SEE SHEET SIGN-74

BREAKLINE SEE SHEET SIGN-83



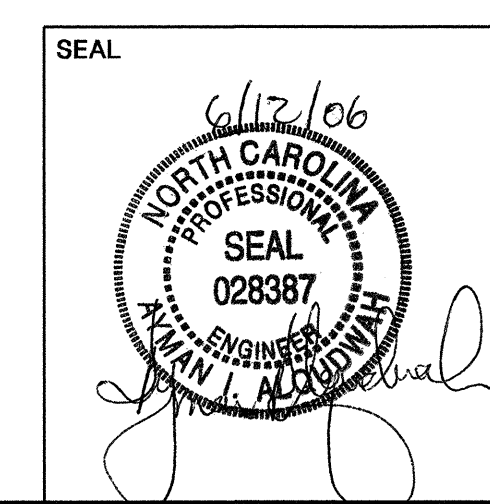
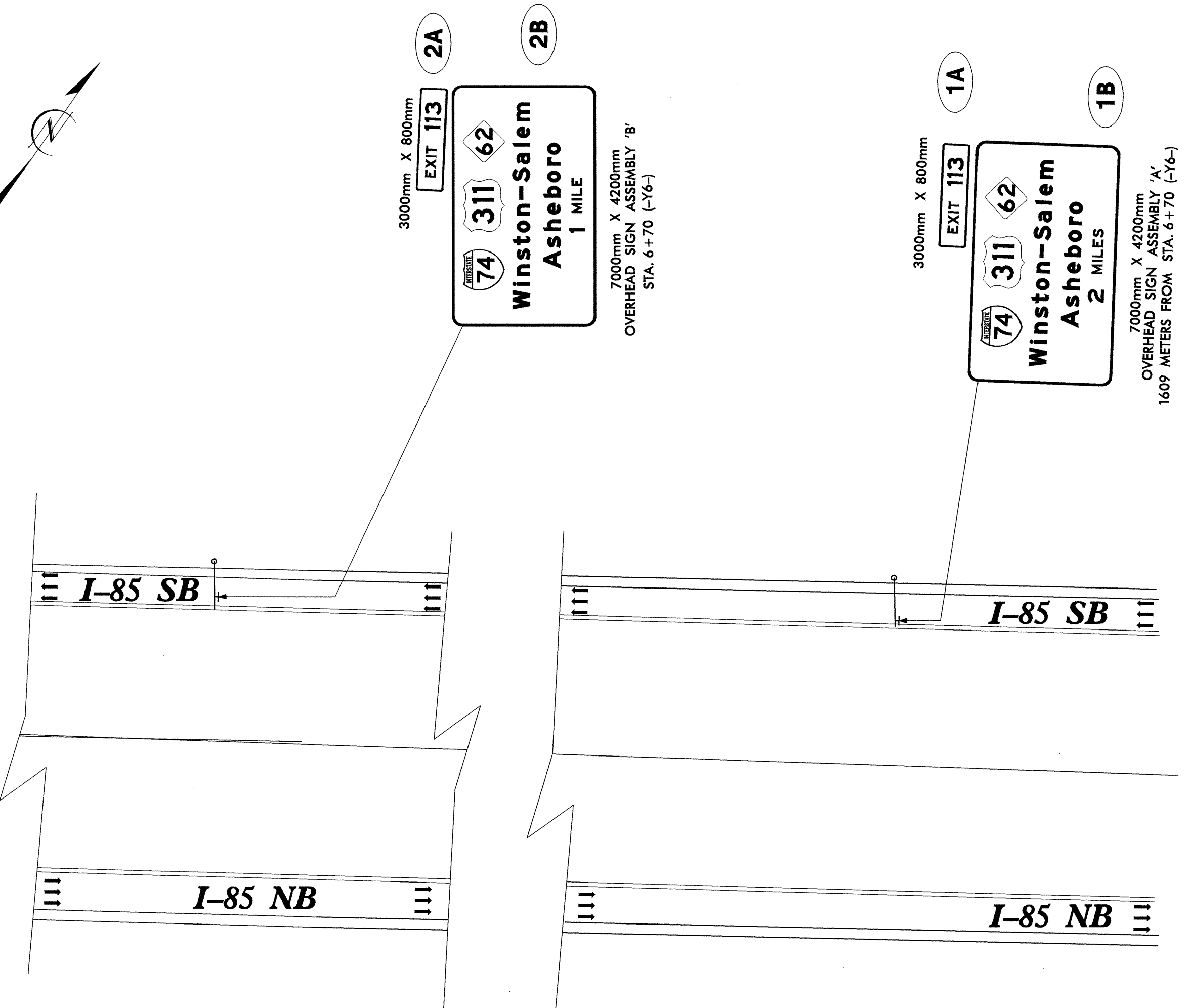
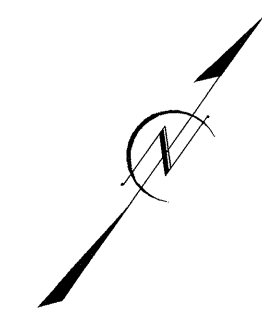
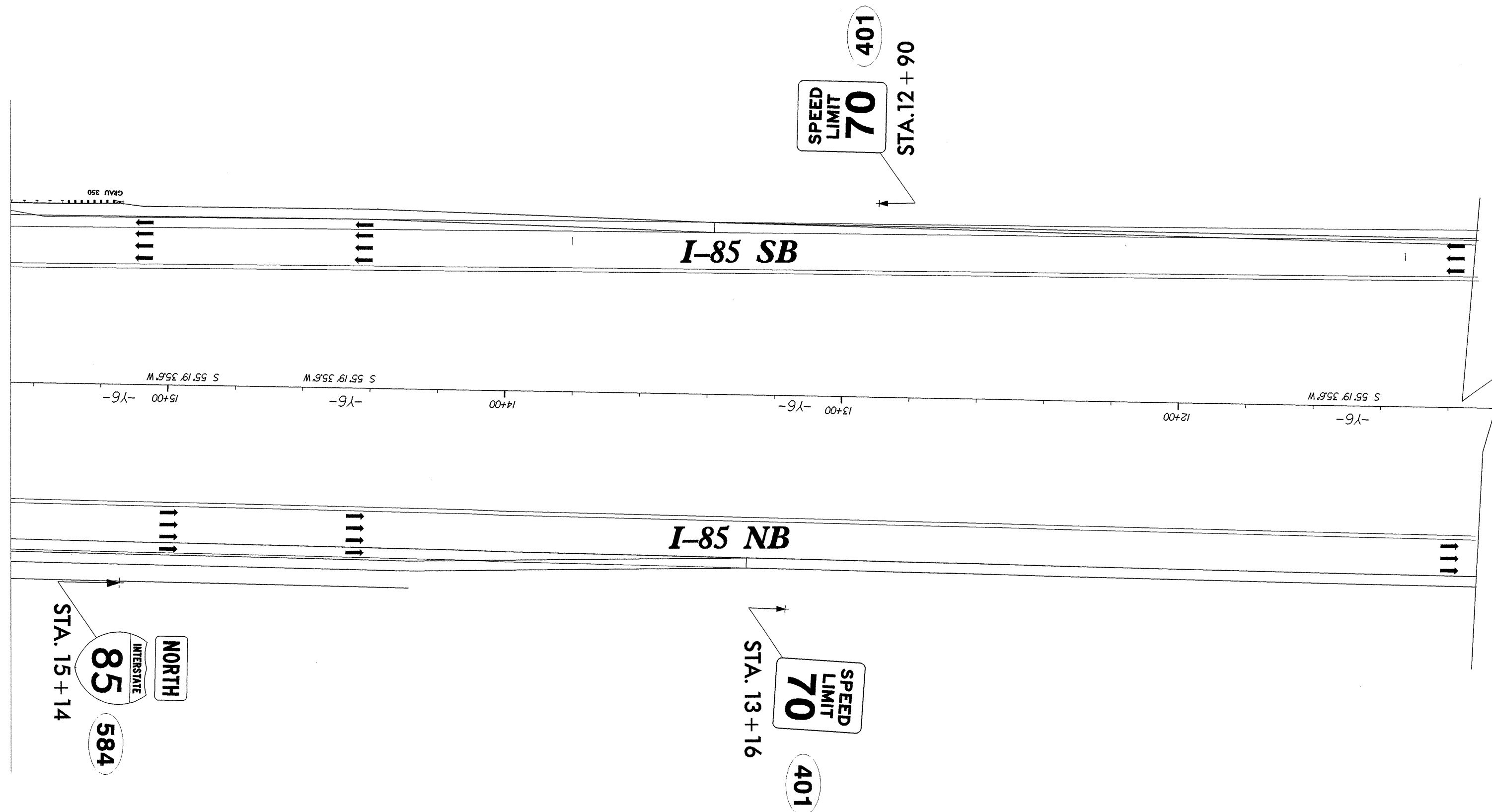
**EXISTING AND PROPOSED SIGNS
STA. 23+00 TO STA. 16+00 (Y6)
I-85**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

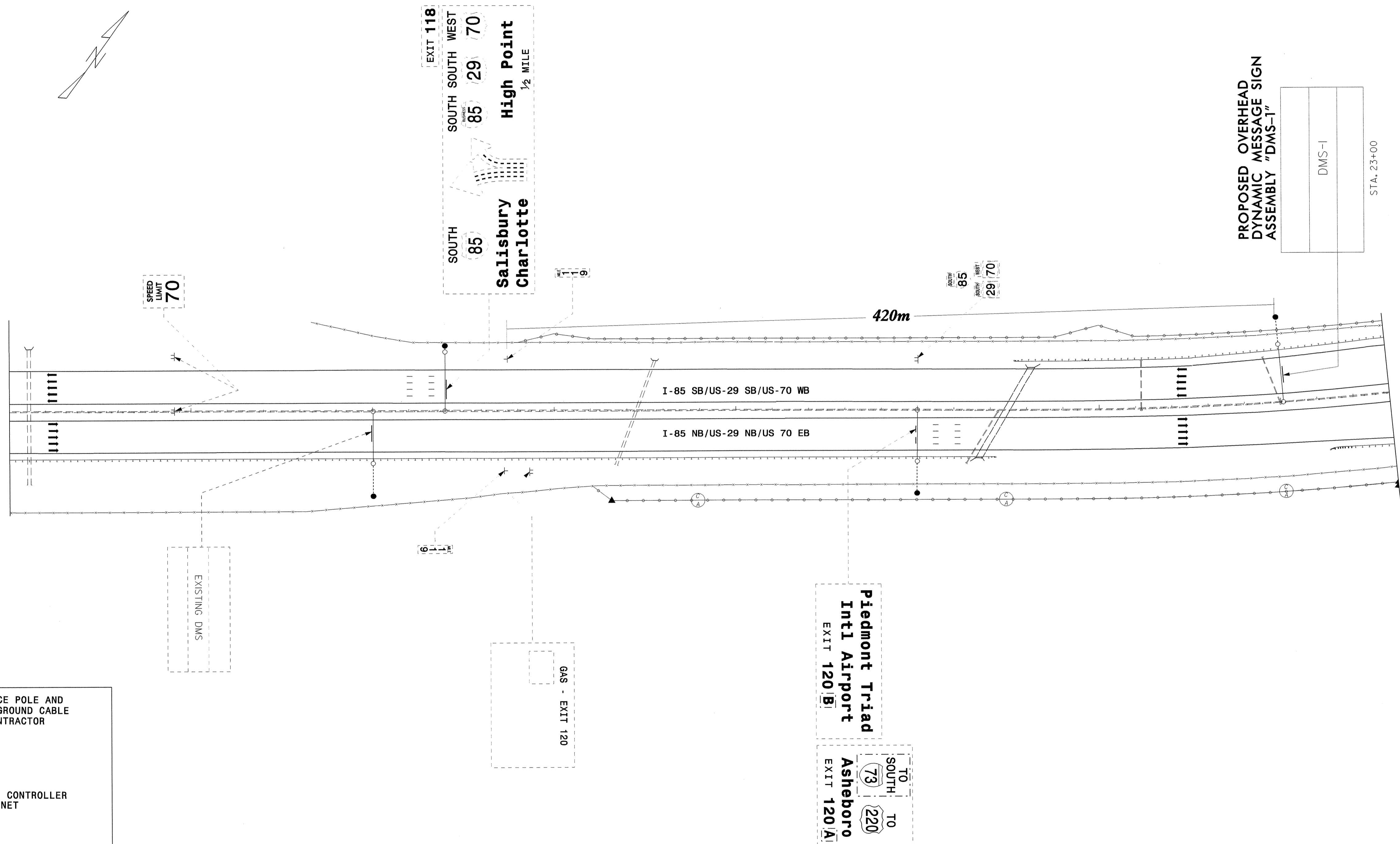


TIP NO. R-06091A SHEET NO. SIGN-83

MATCHLINE SEE SHEET SIGN-82



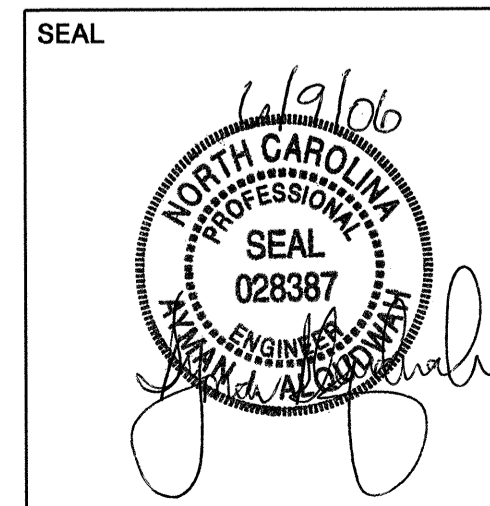
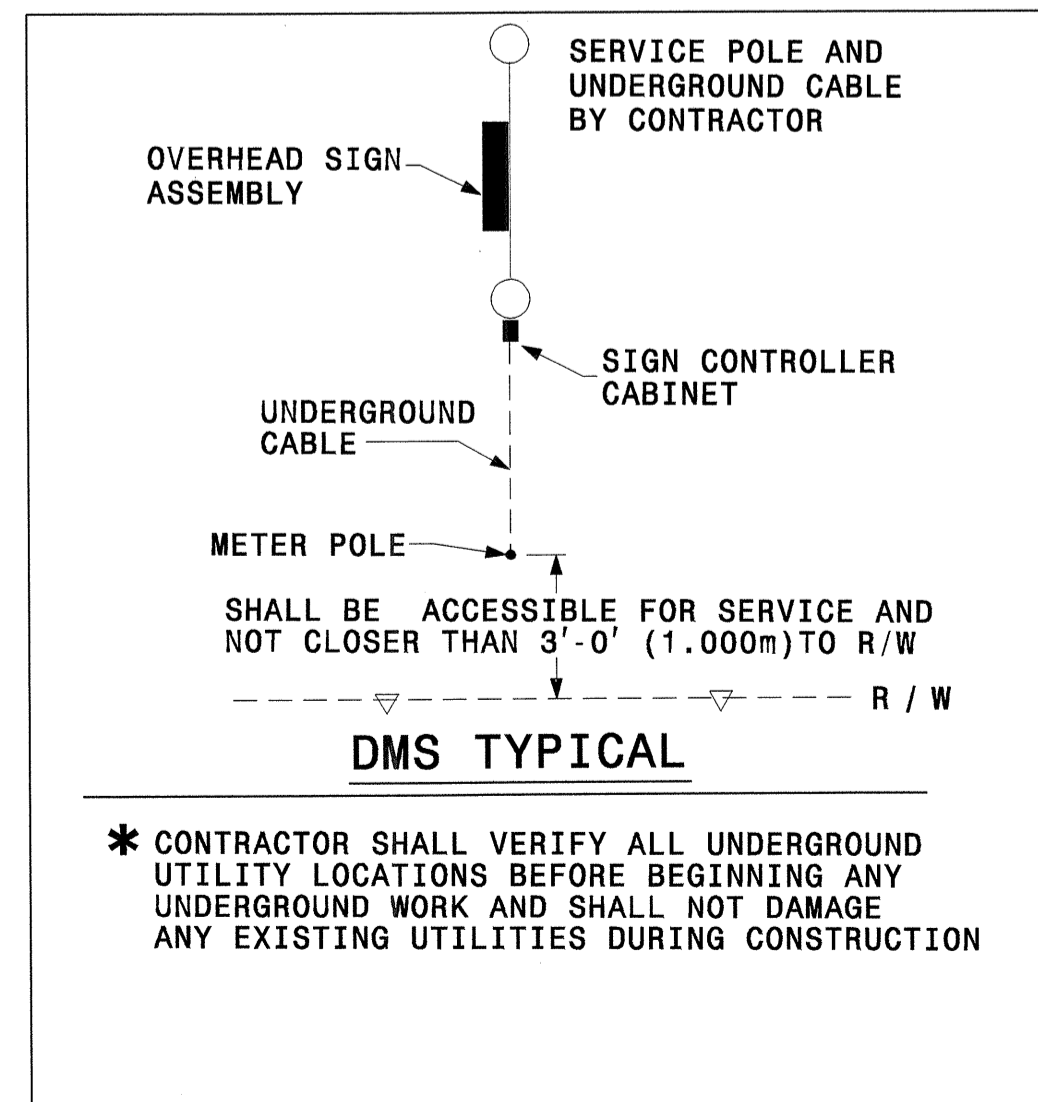
PROPOSED SIGNS STA. 16+00 TO 1609M NORTH (Y6) I-85			REVISIONS
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	
DATE	FEB 2006		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



PROPOSED OVERHEAD
DYNAMIC MESSAGE SIGN
ASSEMBLY "DMS-1"

DMS-1

STA. 23+00



I-85 EXISTING SIGNS AND PROPOSED DMS 420M BEYOND M.M. #119		
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH
DATE	APRIL 2006	
SIGNING DESIGN ENG	S. JOHNS	
SIGNING PROJECT DGN ENG	K. JORDAN	
SIGNING PROJECT ENG	A. ALQUDWAH	
		REVISIONS