

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

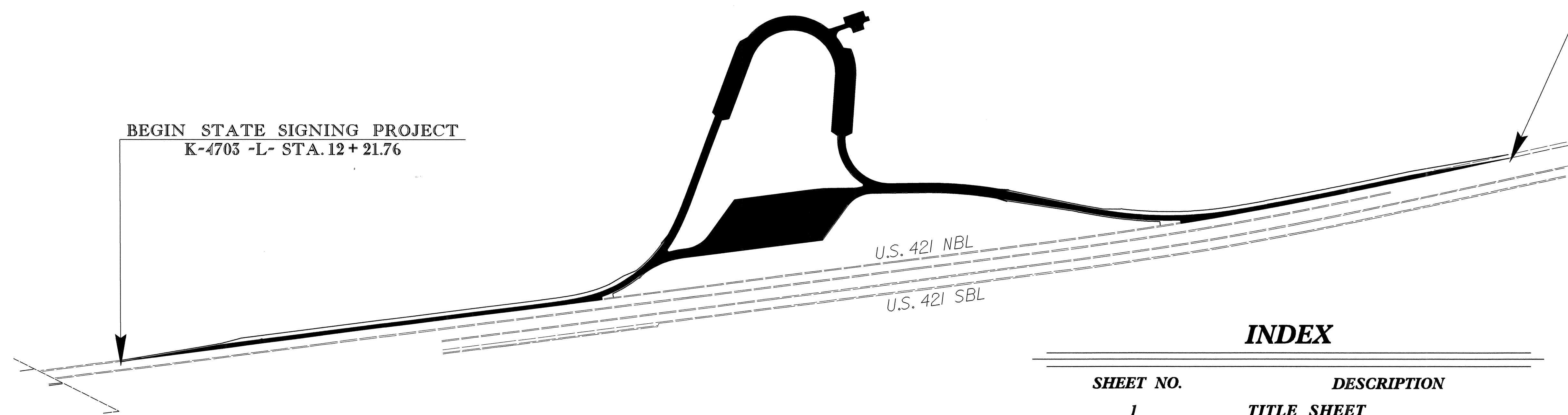
**SIGNING PLANS
WILKES COUNTY**

LOCATION: NEW REST AREA - NORTHBOUND US 421 WEST OF NC 115



CONTRACT NO.: C201679 T.I.P.: K-4703

END STATE SIGNING PROJECT
K-4703 -L- STA. 151 + 00.00



BEGIN STATE SIGNING PROJECT
K-4703 -L- STA. 12 + 21.76

U.S. 421 NBL
U.S. 421 SBL

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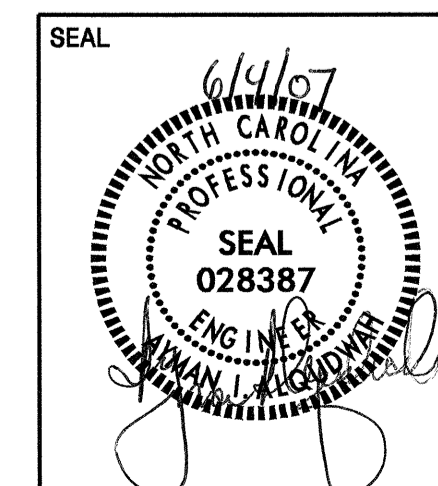
PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION	SEAL
R. W. KING, P.E. SIGNING ENGINEER	
A. I. ALQUDWAH, P.E. SIGNING PROJECT ENGINEER	
J. G. MARTINEZ SIGNING PROJECT DESIGN ENGINEER	
R. R. HENNEIN SIGNING DESIGNER	

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.	4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE A SIGN.....		S.F.	4192000000	907	STOCKPILE SIGN, A OR B (OVERHEAD).....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE B SIGN.....		S.F.	4228000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD).....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN.....		S.F.	4234000000	907	STOCKPILE SIGN, A OR B (GROUND MOUNTED).....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN.....		S.F.	4235000000	907	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED).....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN.....		S.F.	4236000000	907	STOCKPILE SIGN, D, E OR F.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, OVERLAYS SIGN.....		S.F.	4237000000	907	DISPOSAL OF SIGN, D, E OR F.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, MILEMARKER SIGN.....		S.F.	4238000000	907	STOCKPILE SIGN, MILEMARKERS.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION.....	4	C.Y.	4237500000	907	DISPOSAL OF SIGN, MILEMARKERS.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM.....	986	LB.	4238500000	907	STOCKPILE LIGHTING FIXTURES.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM.....	2398	LB.	4252000000	907	DISPOSAL OF LIGHTING FIXTURES.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL.....	352	L.F.	4258000000	907	STOCKPILE WALKWAY.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4078000000	903	SUPPORTS, 2 LB STEEL U-CHANNEL.....	1	EA.	4262000000	907	DISPOSAL OF WALKWAY.....		EA.	4355000000	SP	DYNAMIC MESSAGE SIGN SYSTEM INTEGRATION.....		L.S.
4079000000	903	SUPPORTS, BARRIER (SMALL).....		EA.	4263000000	907	DISPOSAL OF SIGN, OVERLAY (OVERHEAD).....		EA.	4355100000	SP	DYNAMIC MESSAGE SIGN SYSTEM "DMS-**".....		L.S.
4080000000	903	SUPPORTS, BARRIER (LARGE).....		EA.	4241000000	907	DISPOSAL OF SIGN, OVERLAY (GROUND MOUNTED).....		EA.	4355100000	SP	DYNAMIC MESSAGE SIGN SYSTEM "DMS-**".....		L.S.
4080200000	903	SUPPORTS, STEEL SQUARE TUBE.....		L.F.	4242000000	907	STOCKPILE LIGHTING SYSTEM.....		EA.	4355200000	SP	DMS SYSTEM SERVER COMPUTER.....		EA.
4082000000	903	SUPPORTS, WOOD.....		L.F.	4250000000	907	DISPOSAL OF LIGHTING SYSTEM.....		EA.	4355210000	SP	DMS SYSTEM CLIENT COMPUTER.....		EA.
4096000000	904	SIGN ERECTION, TYPE D.....	1	EA.	4081000000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION " ".....		L.S.	4355220000	SP	DMS SYSTEM LAPTOP COMPUTER.....		EA.
4102000000	904	SIGN ERECTION, TYPE E.....	21	EA.	4057000000	SP	OVERHEAD SIGN ASSEMBLY AT STA *****.....		C.Y.	4355230000	SP	DMS SYSTEM CONTROL SOFTWARE.....		EA.
4108000000	904	SIGN ERECTION, TYPE F.....		EA.	4082200000	SP	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**".....		L.S.	4355300000	SP	DYNAMIC MESSAGE SIGN MAINTENANCE TRAINING.....		EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD).....		EA.	4083200000	SP	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**".....		L.S.	4355310000	SP	DYNAMIC MESSAGE SIGN SYSTEM DESIGN APPROVAL TESTS.....		EA.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD).....		EA.	4083200000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.	4355320000	SP	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FACTORY TESTS.....		L.S.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED).....	4	EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.	4355330000	SP	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FIELD TESTS.....		L.S.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED).....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.	4355340000	SP	DYNAMIC MESSAGE SIGN BENCH TEST UNIT.....		EA.
4114000000	904	SIGN ERECTION, MILEMARKERS.....	1	EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.	4355350000	SP	DYNAMIC MESSAGE SIGN SYSTEM NTCIP TESTS.....		EA.
4115000000	904	SIGN ERECTION, OVERLAY (OVERHEAD).....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116000000	904	SIGN ERECTION, OVERLAY (GROUND MOUNTED).....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (OVERHEAD).....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE B (OVERHEAD).....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED).....	2	EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE B (GROUND MOUNTED).....	1	EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D.....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E.....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE F.....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN MILEMARKERS.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116200000	904	SIGN ERECTION, REPOSITION OVERHEAD.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116300000	904	SIGN ERECTION, LOGO TO PANEL.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116400000	904	SIGN ERECTION, LOGO TRAILBLAZER.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116500000	904	SIGN ERECTION, WALKWAY.....		L.F.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4132000000	907	STOCKPILE SUPPORT, STEEL BEAM.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM.....	2	EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4140000000	907	STOCKPILE SUPPORT, WOOD.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4141000000	907	DISPOSAL OF SUPPORT, WOOD.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4142000000	907	STOCKPILE SUPPORT, OVERHEAD STRUCTURE.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4143000000	907	DISPOSAL OF SUPPORT, OVERHEAD STRUCTURE.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4148000000	907	STOCKPILE SIGN SYSTEM, OVERHEAD.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4151000000	907	STOCKPILE SIGN SYSTEM, STEEL BEAM.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4154000000	907	STOCKPILE SIGN SYSTEM, U-CHANNEL.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL.....	1	EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4157000000	907	STOCKPILE SIGN SYSTEM, WOOD.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD.....		EA.	4128000000	SP	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4186000000	907	STOCKPILE SUPPORT, U-CHANNEL.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.					

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

901.10	901.60	904.20
901.20	901.70	904.50
901.30	901.80	
901.40	903.10	
901.50	904.10	



SUMMARY OF QUANTITIES

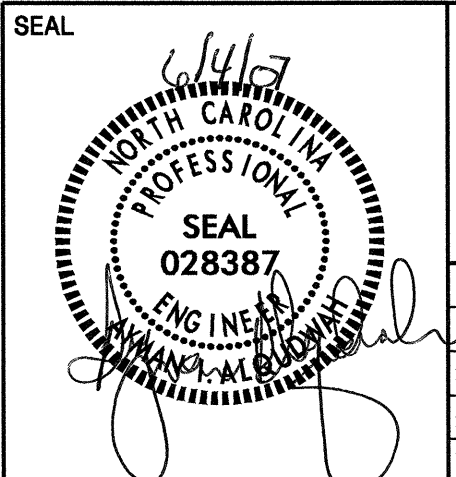
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	JUNE 2007		
SIGNING TECHNICIAN	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		

Pay Item Notes:	
1	RELOCATE SIGN, TYPE A (GROUND MOUNTED)
2	RELOCATE SIGN, TYPE B (GROUND MOUNTED)
3	DISPOSAL OF SUPPORT, STEEL BEAM
4	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

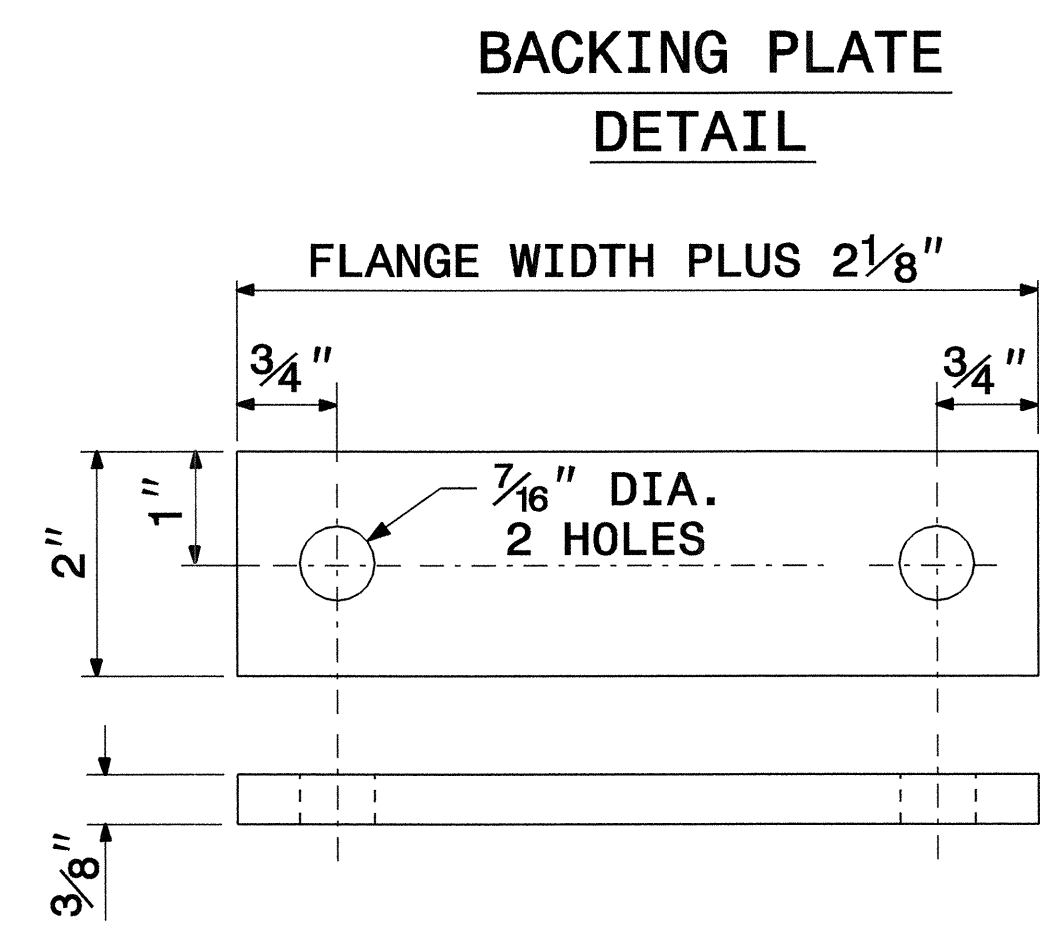
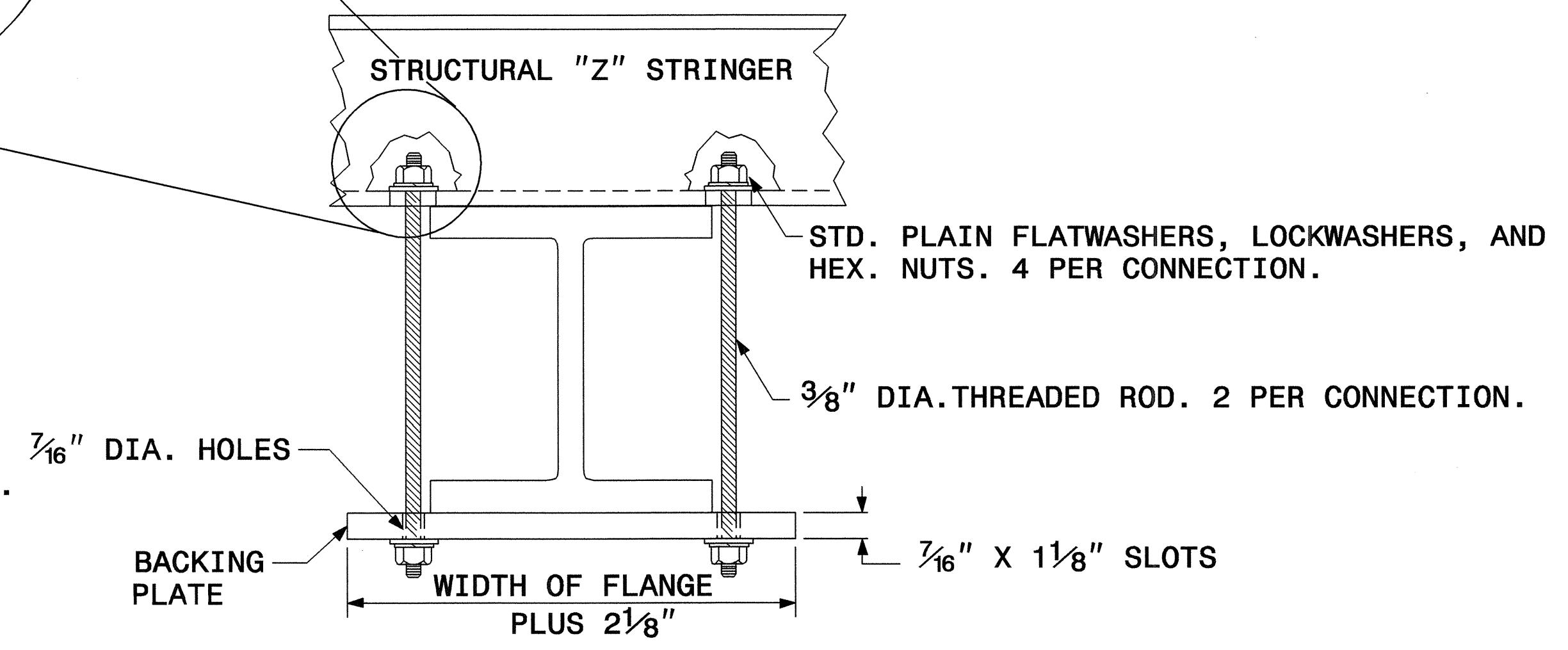
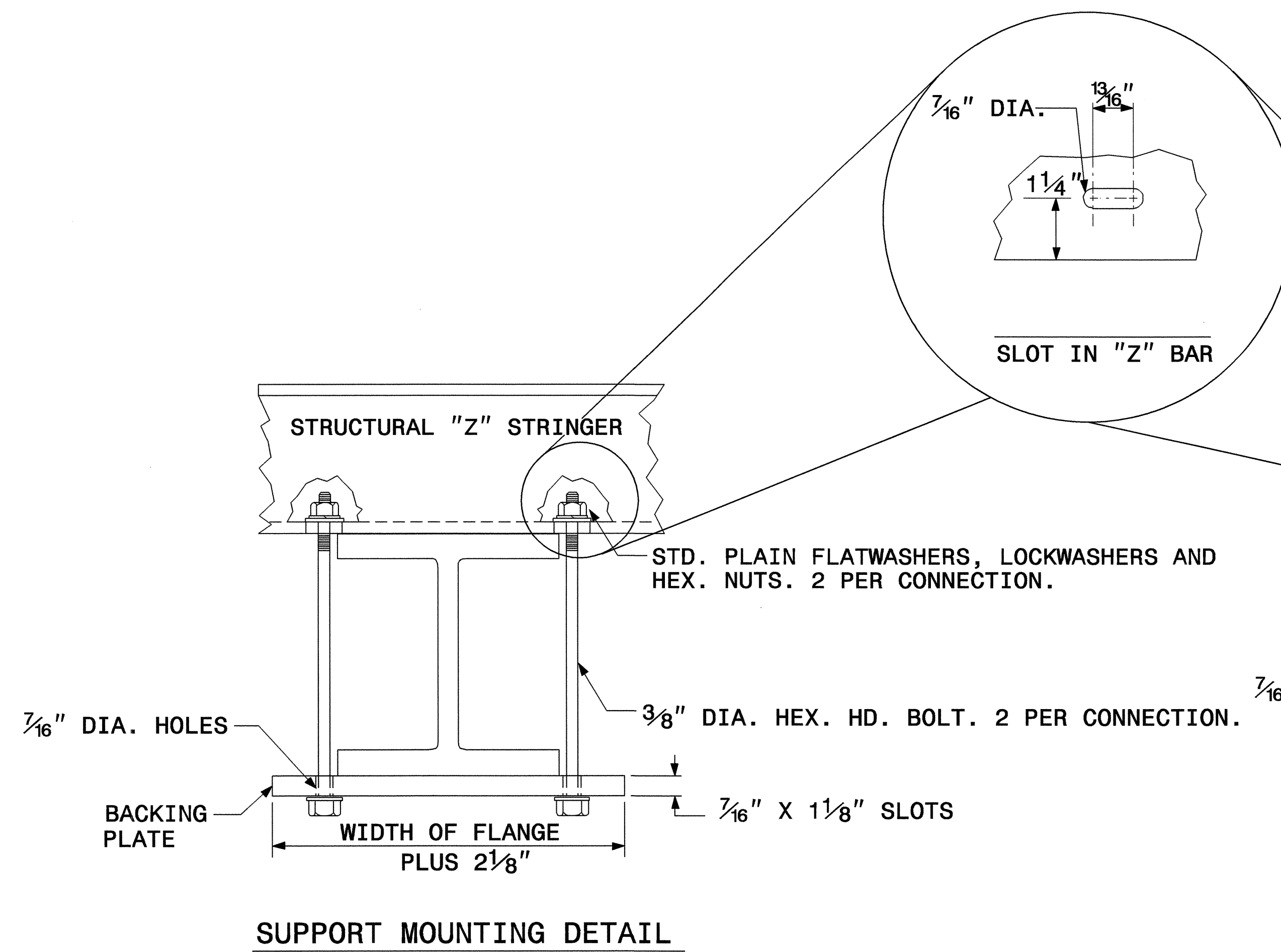
General Notes:

- . SIGNS FURNISHED BY STATE
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRAFFIC CONTROL PLANS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE III REFLECTIVE SHEETING.
- . THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT TO THE N.C.D.O.T. FOR APPROVAL, DETAIL DRAWINGS OF LUMINAIRE RETRIEVAL SYSTEM MOUNTING ON OHS ASSEMBLY.
- . THE CONTRACTOR SHALL USE LUMINAIRE RETRIEVAL SYSTEM ON ALL OVERHEAD STRUCTURES. WALKWAY AND HANDRAIL IS NOT REQUIRED.
- . INSTALLATION OF LUMINAIRE RETRIEVAL SYSTEM SHALL ALLOW LUMINAIRE 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.
- DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

Project Notes:

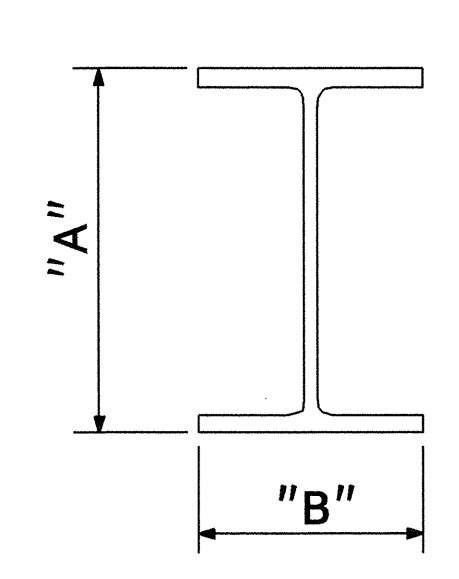


NOTES			
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	JUNE 2007		
SIGNING TECHNICIAN	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		

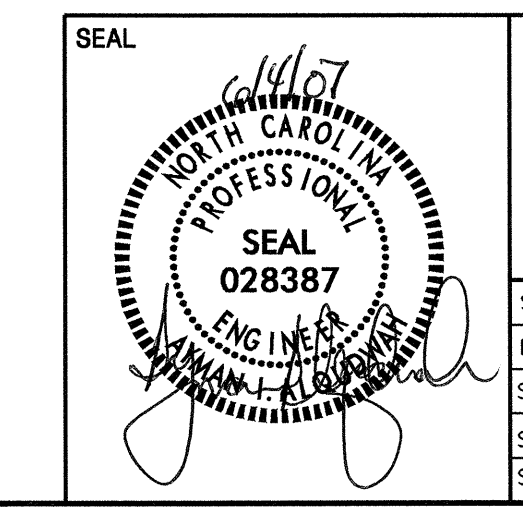


1. THE SUPPORT MOUNTING DETAIL SHOWS A "W" OR "S" BEAM. THIS DETAIL IS ALSO USED FOR MOUNTING SIGNS TO WOOD OR SQUARE TUBE SUPPORTS.
2. USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS IN ACCORDANCE WITH ASTM A123.
3. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR TYPE OF MATERIAL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

SIGN SUPPORTS SECTION DIMENSIONS

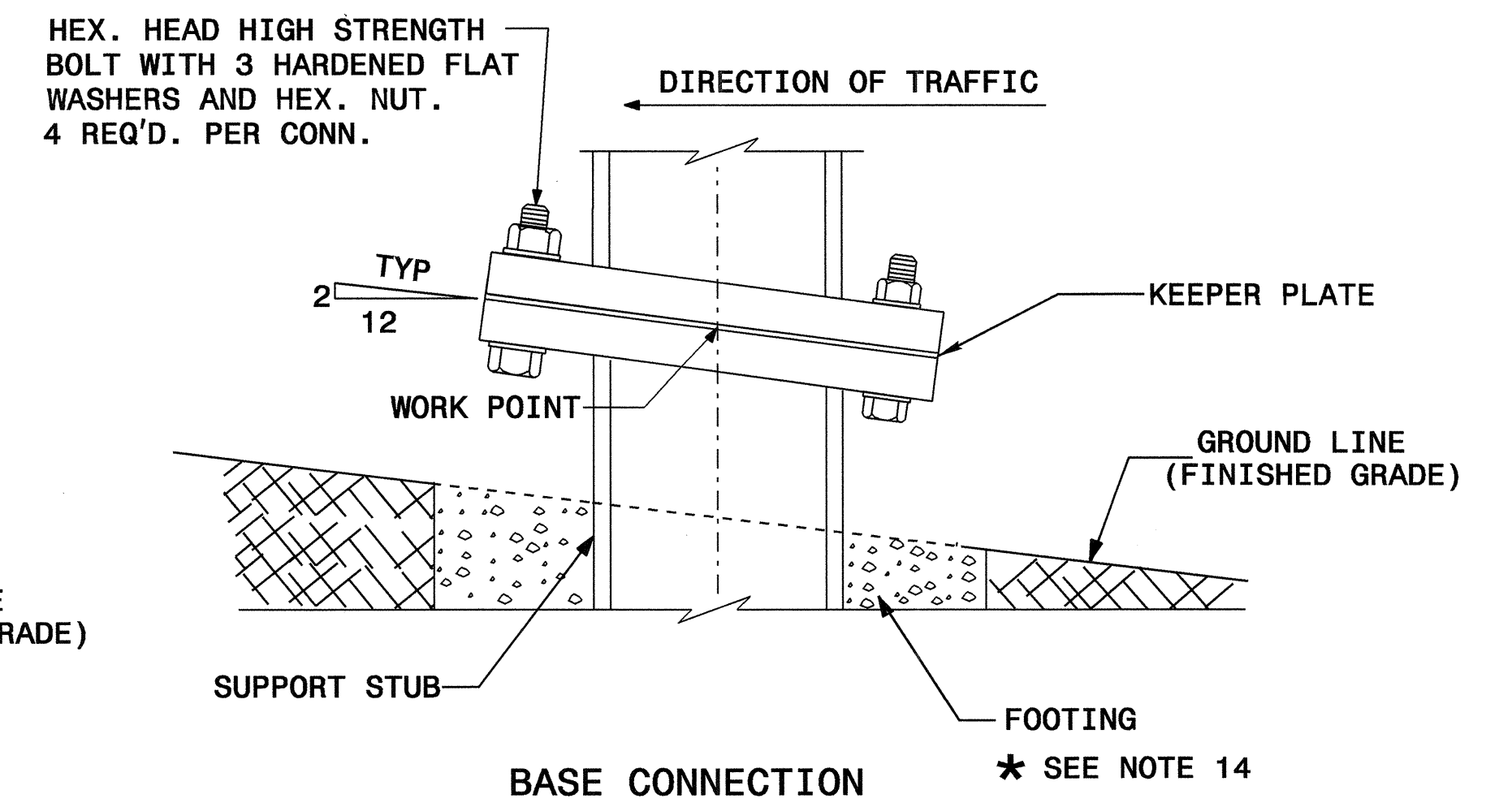
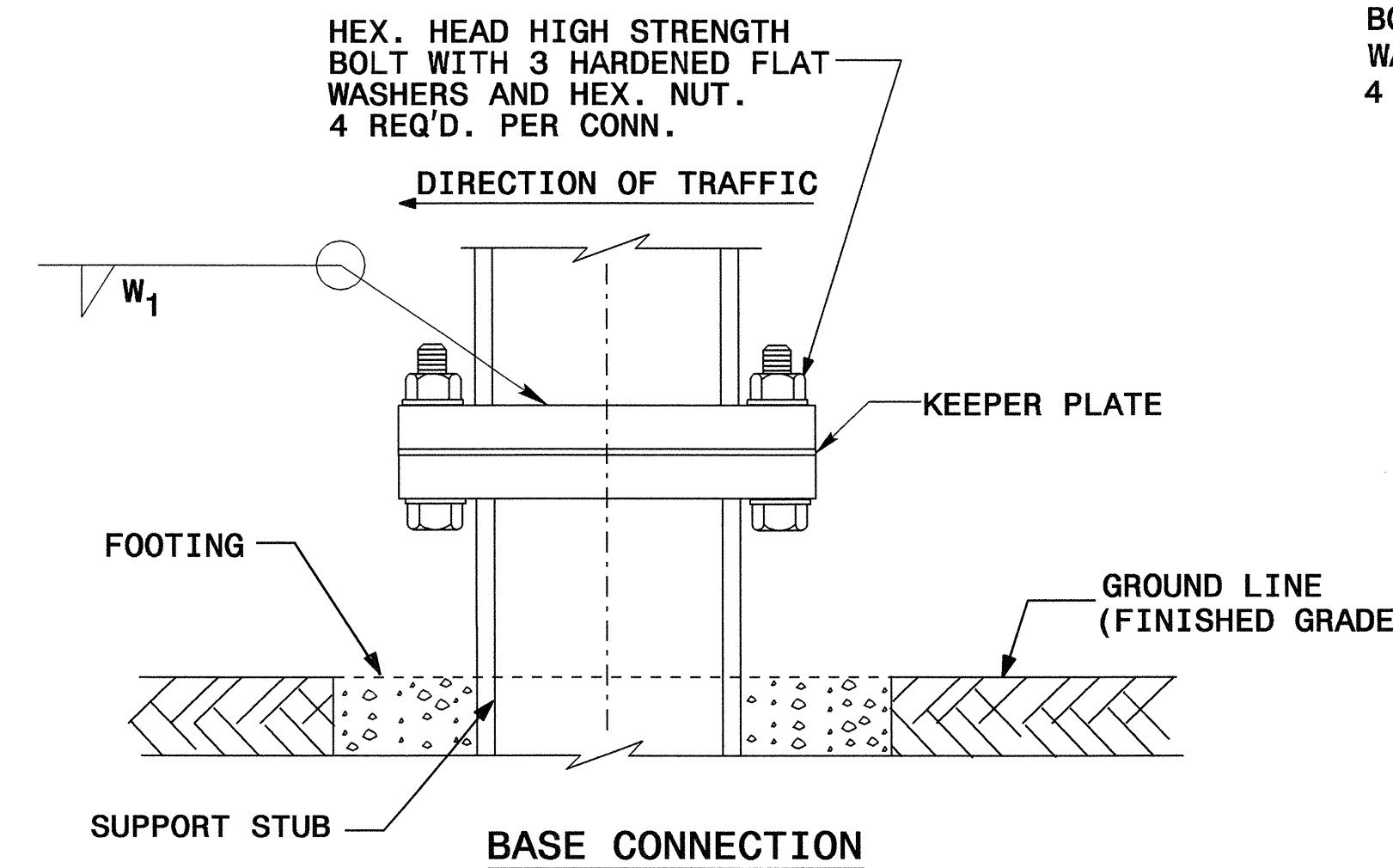
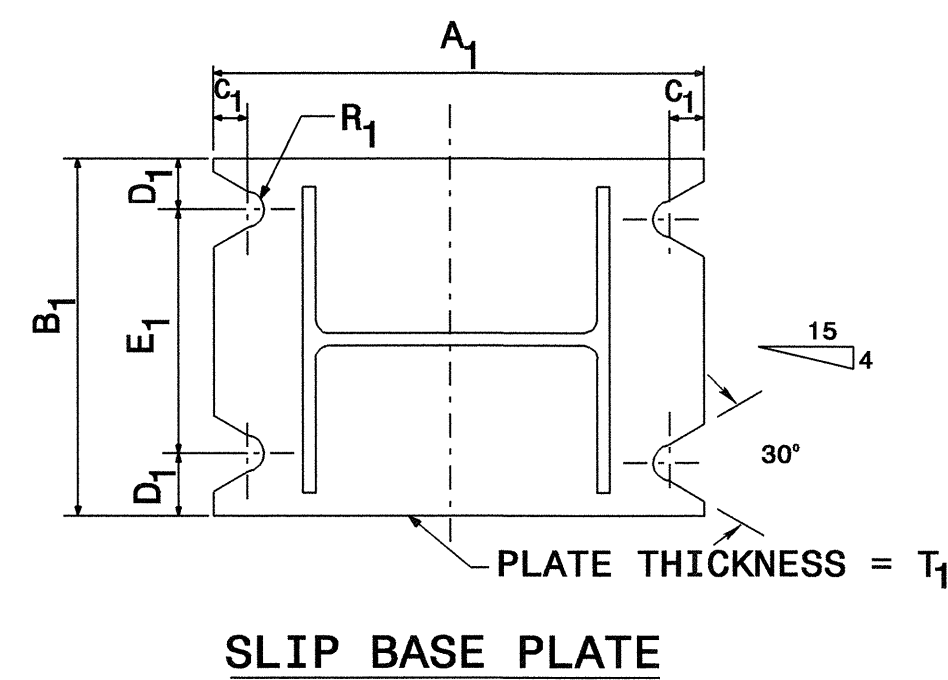
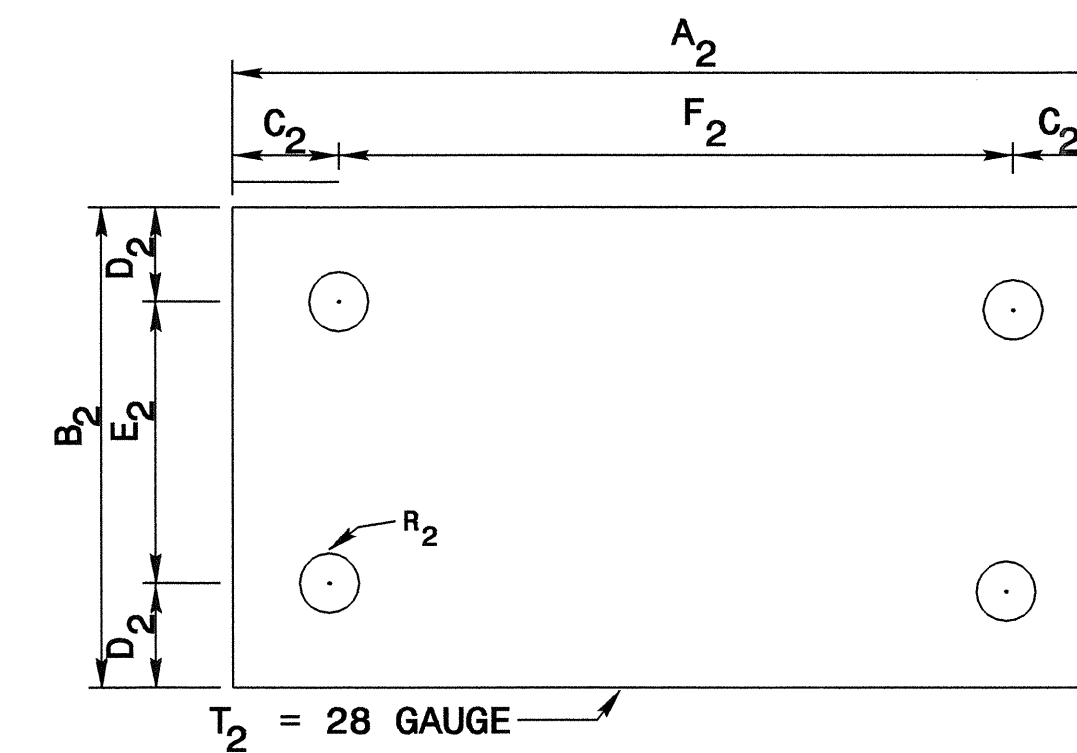
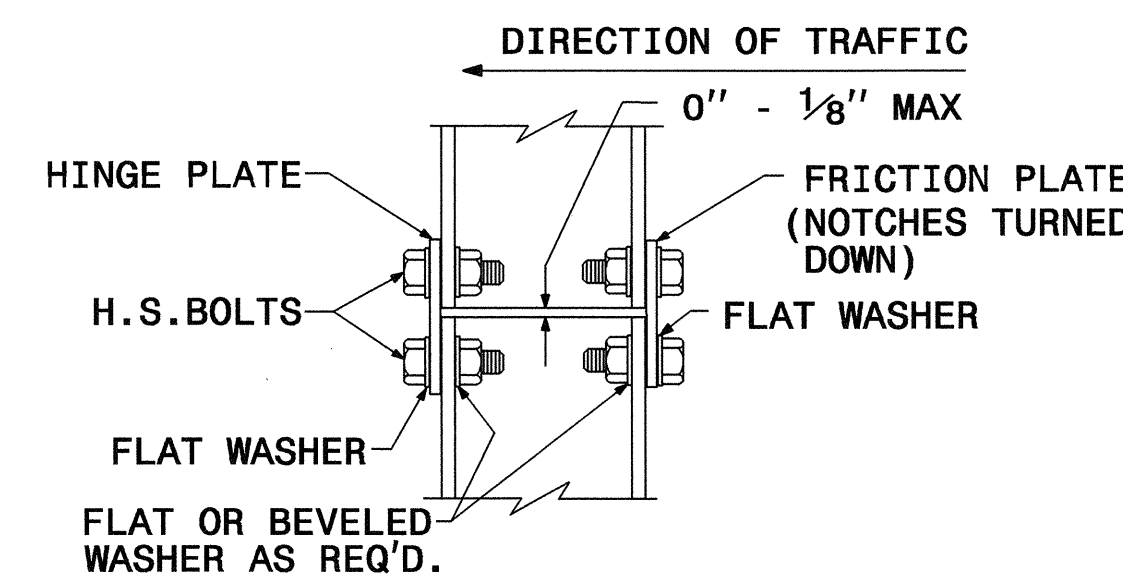
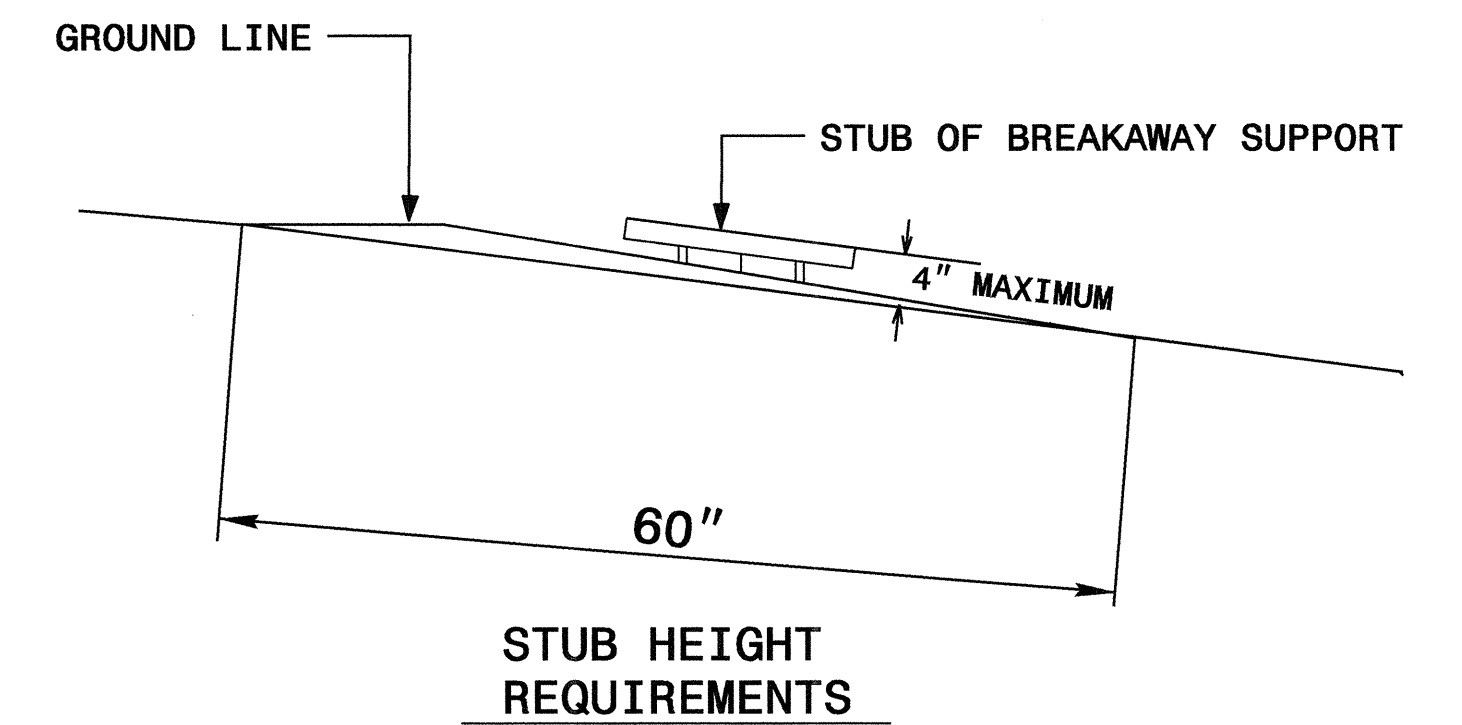
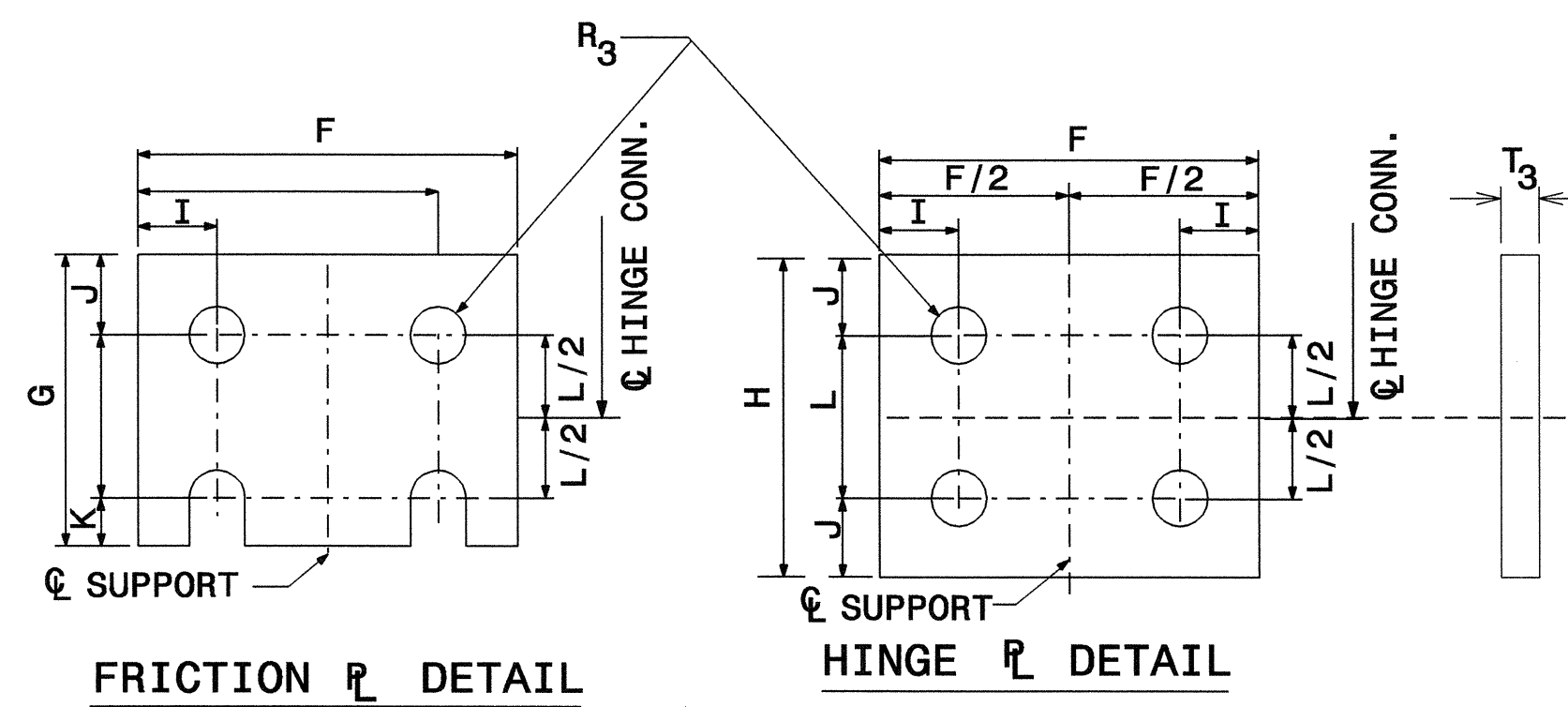
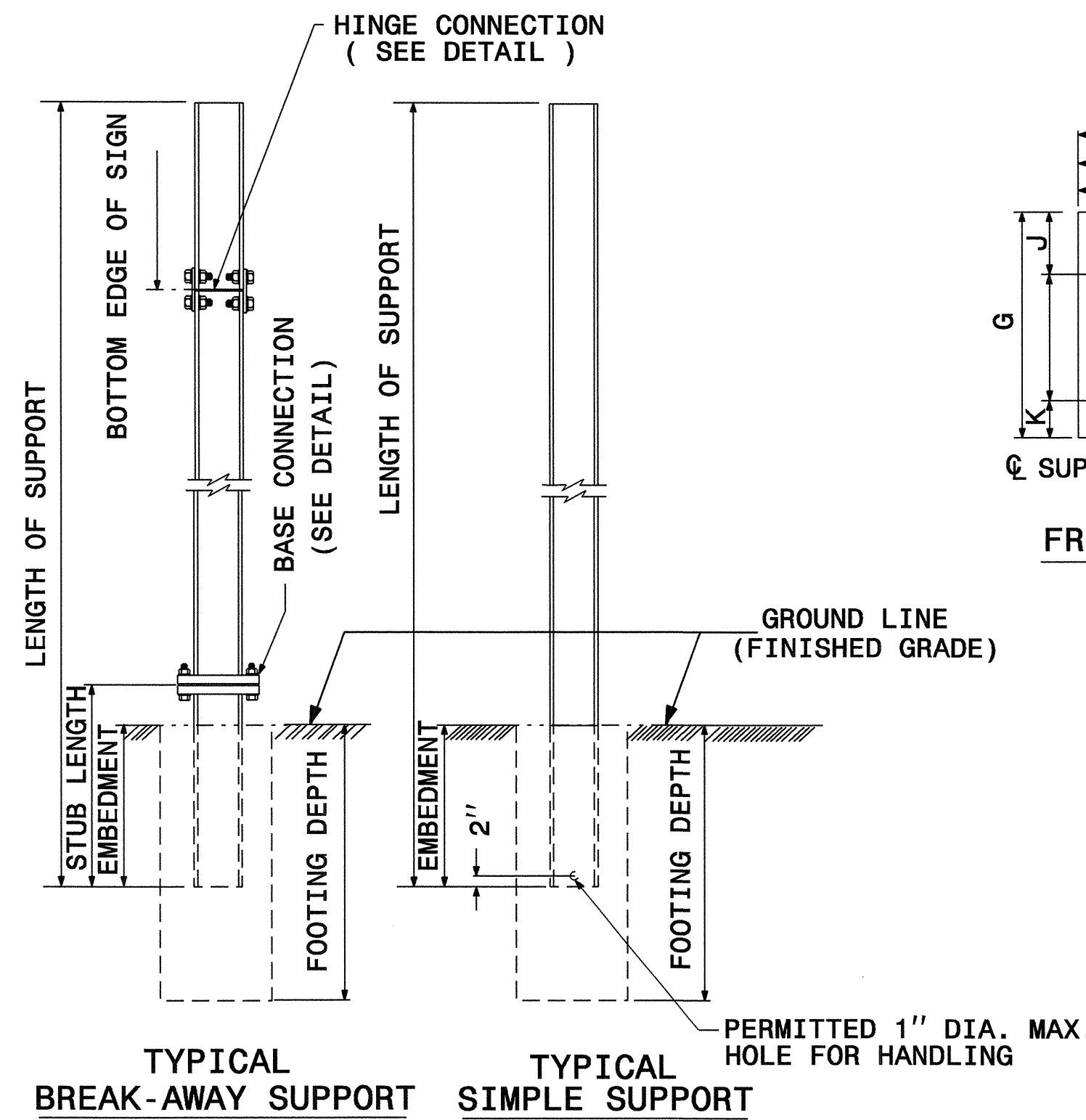


SECTION	A	B
S3 X 5.7	3"	2 3/8"
S4 X 7.7	4"	2 5/8"
W6 X 9	6"	4"
W6 X 12	6"	4"
W6 X 16	6 1/4"	4"
W8 X 18	8 1/8"	5 1/4"
W8 X 21	8 1/4"	5 1/4"
W10 X 22	10 1/8"	5 3/4"
W10 X 26	10 3/8"	5 3/4"
W12 X 26	12 1/4"	6 1/2"
W14 X 30	13 7/8"	6 3/4"
W16 X 31	15 7/8"	5 1/2"
W18 X 35	17 3/4"	6"
W18 X 40	17 7/8"	6"
W21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

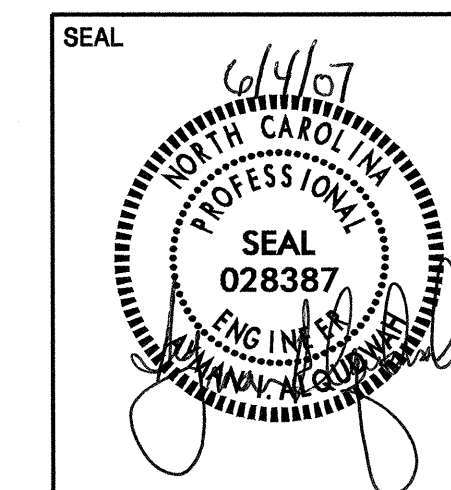


SIGN MOUNTING DETAILS

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	JUNE 2007		
SIGNING TECHNICIAN	R. HENNEIN		
SIGNING PROJECT DGN. ENG.	J. MARTINEZ		
SIGNING PROJECT ENG.	A. ALQUDWAH		



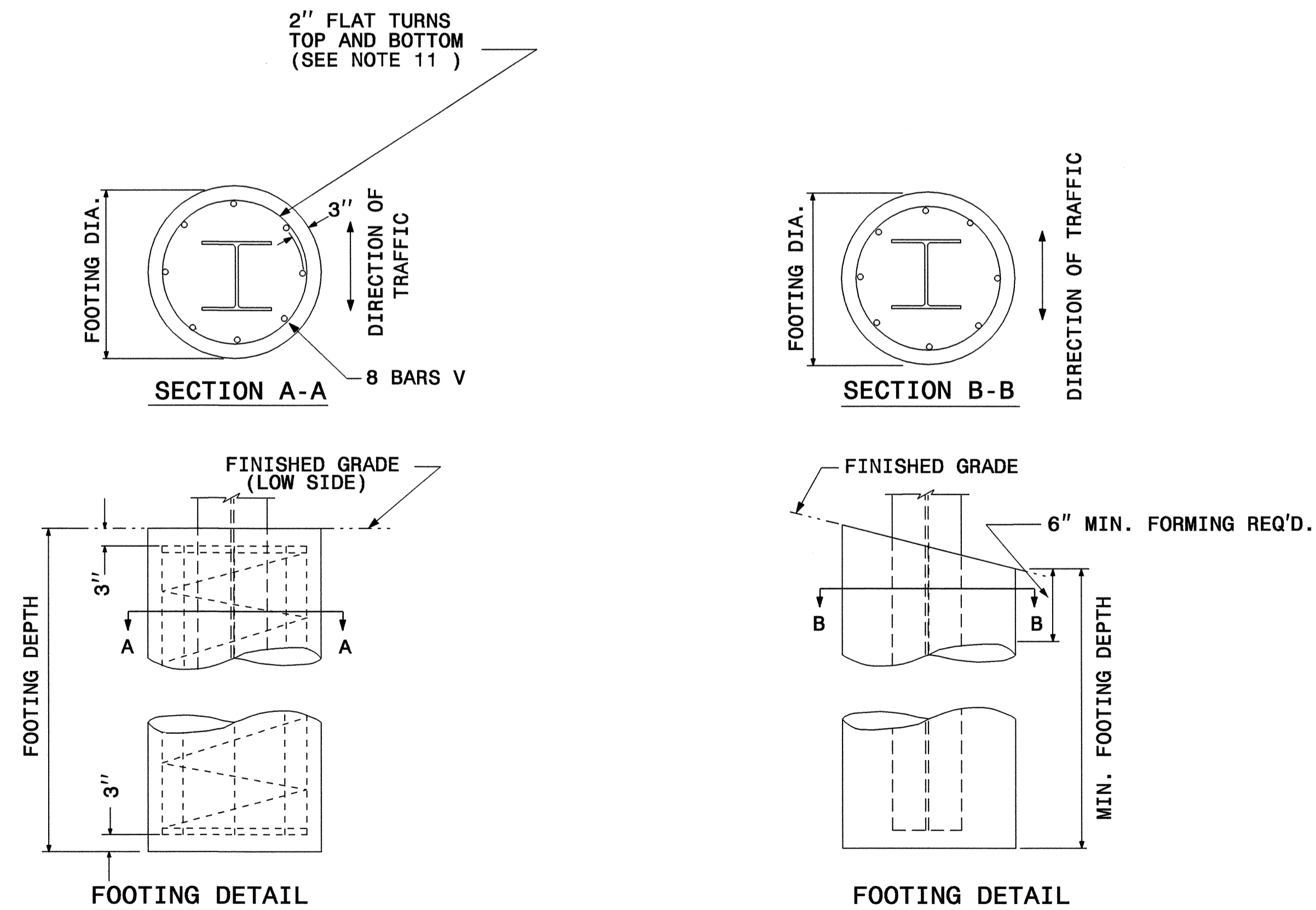
SEE SHEET SIGN-7 FOR DIMENSIONS.
SEE SHEET SIGN-8 FOR NOTES.



GROUND MOUNTED SIGN SUPPORT

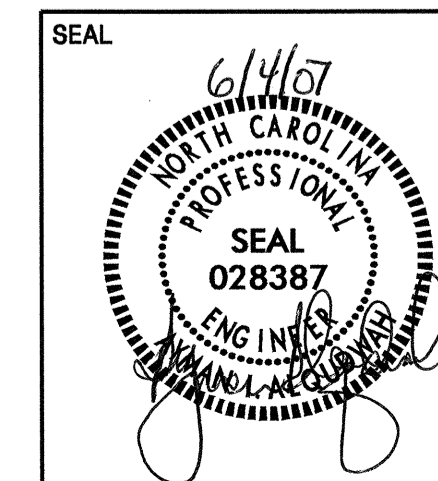
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SIGNING PROJECT ENG	A. ALQUDWAH		

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	W ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	F ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K	L		R ₃	T ₃
S3X5.7	1/2"DIA.X 3"	7"	4"	1"	3/4"	2 1/2"	1"	3/8"	9/32"	7"	4"	1"	3/4"	2 1/2"	5"	9/32"	28 GAUGE	1/2"DIA.X 1 1/4"	2 1/4"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	18
S4X7.7	1/2"DIA.X 3"	8"	4"	1"	3/4"	2 1/2"	1"	3/8"	9/32"	8"	4"	1"	3/4"	2 1/2"	6"	9/32"	28 GAUGE	1/2"DIA.X 1 1/4"	2 5/8"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	20
W6X9	1/2"DIA.X 3"	10"	5"	1"	3/4"	3 1/2"	1"	3/8"	9/32"	10"	5"	1"	3/4"	3 1/2"	8"	9/32"	28 GAUGE	1/2"DIA.X 1 1/4"	4"	3 1/2"	4"	3/4"	1"	1/2"	2"	9/32"	3/8"	32
W6X12	5/8"DIA.X 3 3/4"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	3/8"	1 1/32"	11"	5"	1 1/4"	7/8"	3 1/4"	8 1/2"	1 1/32"	28 GAUGE	5/8"DIA.X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	3/8"	43
W6X16	5/8"DIA.X 4 1/4"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	3/8"	1 1/32"	12"	6"	1 1/4"	7/8"	4 1/4"	9 1/2"	1 1/32"	28 GAUGE	5/8"DIA.X 2 1/2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	66
W8X18	5/8"DIA.X 4 1/4"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/2"	3/8"	1 1/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	11"	1 1/32"	28 GAUGE	5/8"DIA.X 2 1/2"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	81
W8X21	3/4"DIA.X 4 1/4"	14"	7"	1 1/2"	1"	5"	1 1/2"	3/8"	1 3/32"	14"	7"	1 1/2"	1"	5"	11"	1 3/32"	28 GAUGE	3/4"DIA.X 2 3/4"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	93
W10X22	3/4"DIA.X 4 1/4"	16"	8"	1 1/2"	1"	6"	1 1/2"	3/8"	1 3/32"	16"	8"	1 1/2"	1"	6"	13"	1 3/32"	28 GAUGE	3/4"DIA.X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	119
W10X26	3/4"DIA.X 4 3/4"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	3/8"	1 3/32"	16 1/2"	8"	1 1/2"	1"	6"	13 1/2"	1 3/32"	28 GAUGE	3/4"DIA.X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	144
W12X26	3/4"DIA.X 4 3/4"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	3/8"	1 3/32"	18 1/2"	9"	1 1/2"	1"	7"	15 1/2"	1 3/32"	28 GAUGE	3/4"DIA.X 2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	180
W14X30	1"DIA.X 5 3/4"	22"	9"	2"	1 1/2"	6"	2"	1/2"	1 7/32"	22"	9"	2"	1 1/2"	6"	18"	1 7/32"	28 GAUGE	1"DIA.X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	5/8"	242
W16X31	1"DIA.X 5 3/4"	24"	9"	2"	1 1/2"	6"	2"	1/2"	1 7/32"	24"	9"	2"	1 1/2"	6"	20"	1 7/32"	28 GAUGE	1"DIA.X 3 1/4"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	263
W18X35	1"DIA.X 5 3/4"	25"	9"	2"	1 1/2"	6"	2"	1/2"	1 7/32"	25"	9"	2"	1 1/2"	6"	21"	1 7/32"	28 GAUGE	1"DIA.X 3 1/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	274
W18X40	1"DIA.X 6 1/4"	26"	9"	2"	1 1/2"	6"	2 1/4"	5/8"	1 7/32"	26"	9"	2"	1 1/2"	6"	22"	1 7/32"	28 GAUGE	1"DIA.X 3 3/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	321
W21X44	1"DIA.X 6 3/4"	29"	9"	2"	1 1/2"	6"	2 1/2"	5/8"	1 7/32"	29"	9"	2"	1 1/2"	6"	25"	1 7/32"	28 GAUGE	1"DIA.X 3 3/4"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	394



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

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	JUNE 2007		
SIGNING DESIGN ENG	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		

NOTES:

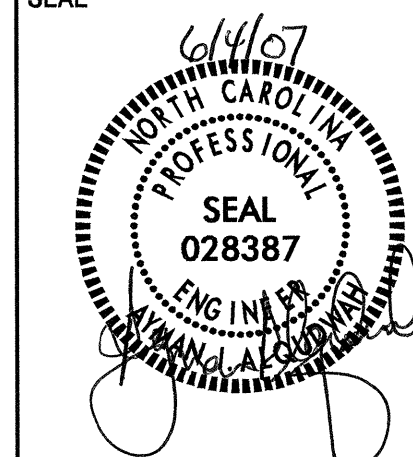
1. DESIGN CONFORMS WITH THE SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS - A.A.S.H.T.O.
2. USE MATERIALS, FABRICATE AND ERECT SIGNS AND SUPPORTS THAT CONFORM TO THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
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. 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
3/4"	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.

SEAL



GROUND MOUNTED SIGN SUPPORT

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	JUNE 2007		
SIGNING TECHNICIAN	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		

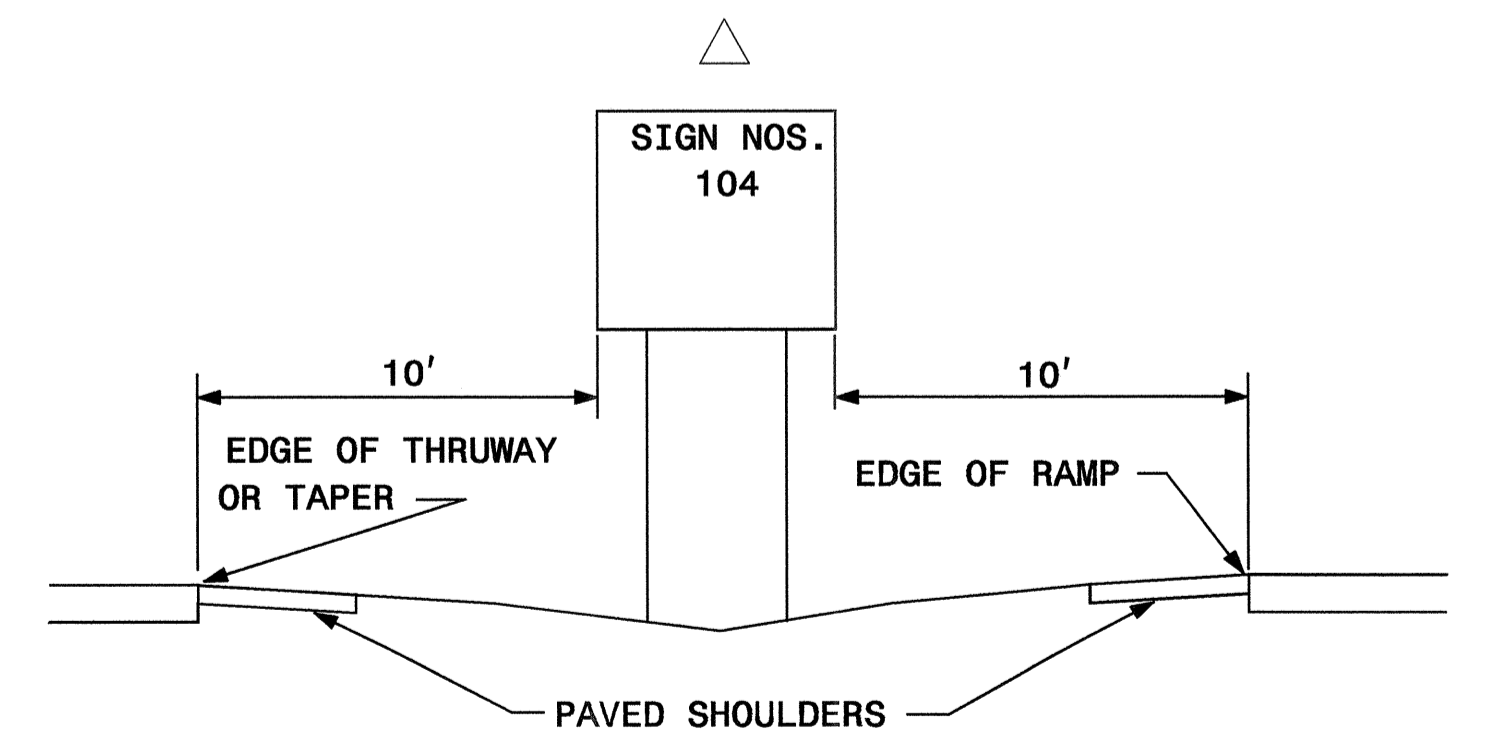
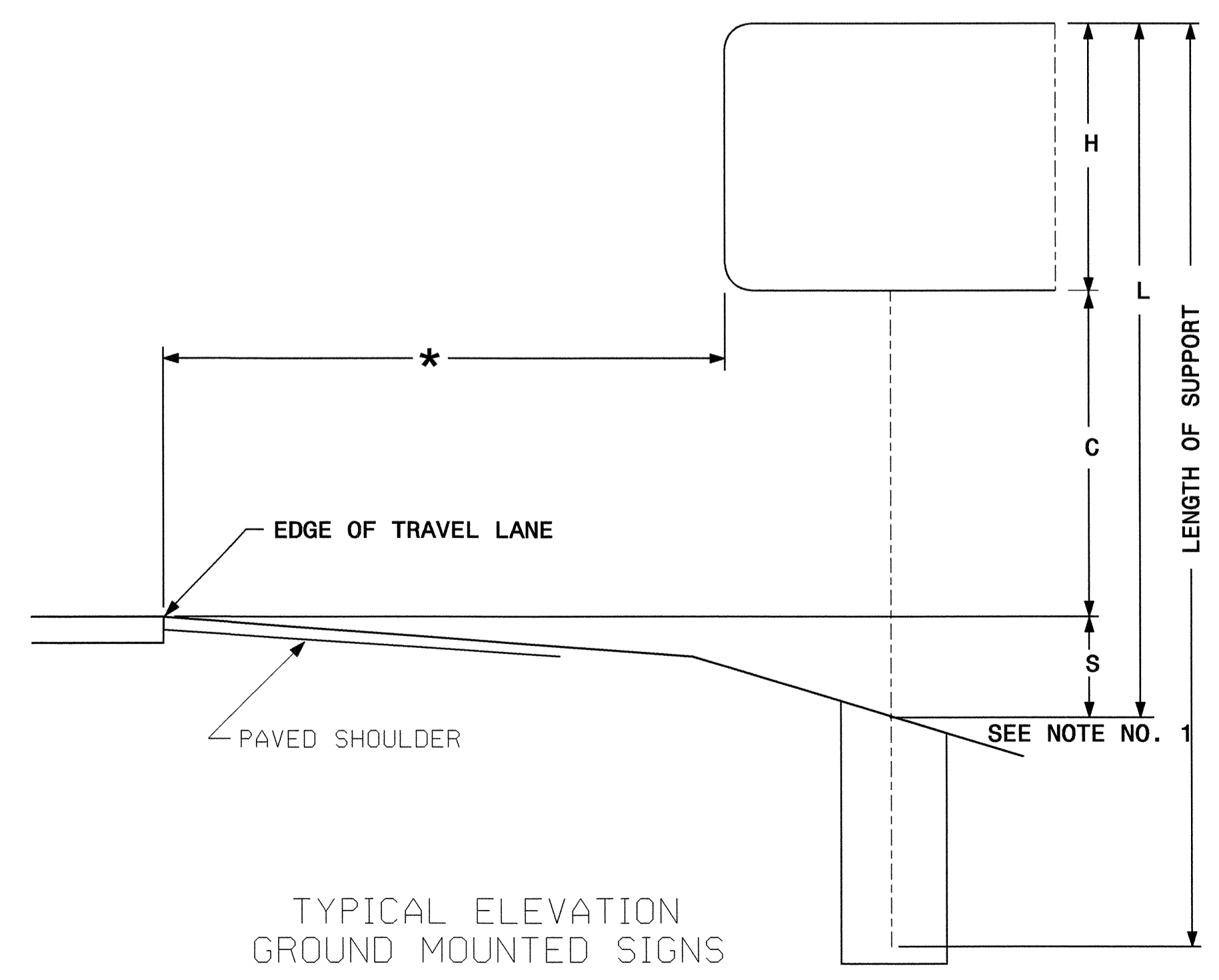
NOTES

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.

SIGN NO.	SIGN TYPE	SIGN SIZE (in.)			ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE BA or S	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR.* (ft.)	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			FOOTING DIAMETER (ft.)	FOOTING DEPTH (ft.)	B/A SUPPORT WEIGHTS (lbs.)	SIMPLE SUPPORT WEIGHTS (lbs.)	REINF. FTGS. (c.y.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h								SNS H	HT H	MTG HT C	EMBED-MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L						
101	A	120	X	60	SEE SHEET 15	2	S4x7.7	BA	N/A	N/A	30.00	5.00	7.00	4.5	2.25	14.25	18.75	0.00	0.00	0.00	3.14	15.14	19.64	1	5	336.21	0.00	0.29	
102	A	120	X	60	SEE SHEET 15	2	S4x7.7	BA	N/A	N/A	30.00	5.00	7.00	4.5	2.25	14.25	18.75	0.00	0.00	0.00	3.14	15.14	19.64	1	5	336.21	0.00	0.29	
103	A	120	X	60	55+00	2	W6x9	S	N/A	N/A	20.00	5.00	7.00	4.5	8.70	20.70	25.20	0.00	0.00	0.00	11.62	23.62	28.12	1.5	5	0.00	479.88	0.65	
104	A	78	X	78	44+15	2	S4x7.7	BA	N/A	N/A	△	6.50	7.00	4	0.20	13.70	17.70	0.00	0.00	0.00	0.20	13.70	17.70	1	4.5	313.19	0.00	0.26	
901A	B	96	X	30	16+50	3	W6x16	S	1-R	N/A	18.00	7.50	7.00	6	7.55	22.05	28.05	6.97	21.47	27.47	6.38	20.88	26.88	1.5	6.5	0.00	1318.40	1.28	
901B	A	222	X	90																									
902	A	216	X	66	25+38	2	W6x12	S	N/A	N/A	18.00	5.50	7.00	5.5	7.55	20.05	25.55	0.00	0.00	0.00	6.38	18.88	24.38	1.5	6	0.00	599.16	0.79	

◦ FIELD VERIFY SIGN SIZES

TOTAL	TOTAL	TOTAL
985.61	2397.44	3.56
USE:	986	2398
		4



	TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS		REVISIONS
	SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION
	DATE	JUNE 2007	DIVISION OF HIGHWAYS
	SIGNING TECHNICIAN	R. HENNEIN	TRAFFIC ENGINEERING BRANCH
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		

SIGN NUMBER: 101 TYPE: A QUANTITY: 1 SIGN WIDTH: 120" HEIGHT: 60" TOTAL AREA: 50.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 8" NO. Z BARS: 2 LENGTH: 112.0 USE NOTES: 1. Legend and border shall be direct applied Type III reflective sheeting. 2. Background shall be Type III reflective sheeting.	BACKG COLOR: Blue COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: R. HENNEIN PROJECT ID: K-4703 CHECKED BY: DIV: 11 STD #: N/A DATE: Apr 09, 2007
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Letter spacings are to start of next letter											Series/Size Text Length
	R	E	S	T	A	R	E	A			D 2000
15.9	10.2	8.6	9.1	7.4	12	12	10.2	8.4	10.2	15.9	88.2
	2		M	I	L	E	S				EM 2000, D 2000
24.9	12.2	15	12.2	4.8	9.2	8.6	8.2	24.9			70.2

Spacing Factor is 1 unless specified otherwise

SIGN NUMBER: 103 TYPE: A QUANTITY: 1 SIGN WIDTH: 120" HEIGHT: 60" TOTAL AREA: 50.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 8" NO. Z BARS: 2 LENGTH: 112.0 USE NOTES: 1. Legend and border shall be direct applied Type III reflective sheeting. 2. Background shall be Type III reflective sheeting.	BACKG COLOR: Blue COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: R. HENNEIN PROJECT ID: K-4703 CHECKED BY: DIV: 11 STD #: N/A DATE: Apr 09, 2007
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------

Letter spacings are to start of next letter											Series/Size Text Length	
	R	E	S	T	A	R	E	A			D 2000	
15.9	10.2	8.6	9.1	7.4	12	12	10.2	8.4	10.2	15.9	88.2	
	N	E	X	T	R	I	G	H	T		D 2000	
14.4	11	8.6	9.1	7.4	12	10.2	4.6	10.8	10	7.4	14.4	91.2

Spacing Factor is 1 unless specified otherwise

SIGN NUMBER: 102 TYPE: A QUANTITY: 1 SIGN WIDTH: 120" HEIGHT: 60" TOTAL AREA: 50.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 8" NO. Z BARS: 2 LENGTH: 112.0 USE NOTES: 1. Legend and border shall be direct applied Type III reflective sheeting. 2. Background shall be Type III reflective sheeting.	BACKG COLOR: Blue COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: R. HENNEIN PROJECT ID: K-4703 CHECKED BY: DIV: 11 STD #: N/A DATE: Apr 09, 2007
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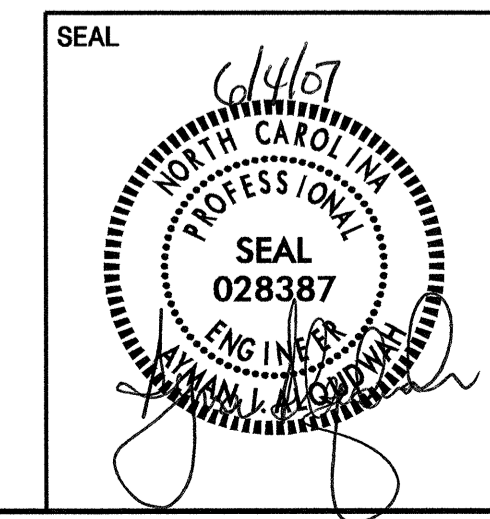
Letter spacings are to start of next letter											Series/Size Text Length
	R	E	S	T	A	R	E	A			D 2000
15.9	10.2	8.6	9.1	7.4	12	12	10.2	8.4	10.2	15.9	88.2
	1/2		M	I	L	E					EM 2000, D 2000
24.7	22	15	12.2	4.8	9.2	7.4	24.7				70.7

Spacing Factor is 1 unless specified otherwise

SIGN NUMBER: 104 TYPE: A QUANTITY: 1 SIGN WIDTH: 78" HEIGHT: 78" TOTAL AREA: 42.3 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 10" NO. Z BARS: 2 LENGTH: 70.0 USE NOTES: 1. Legend and border shall be direct applied Type III reflective sheeting. 2. Background shall be Type III reflective sheeting. 3. Center arrow(s) vertically on sign.	BACKG COLOR: Blue COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: R. HENNEIN PROJECT ID: K-4703 CHECKED BY: DIV: 11 STD #: N/A DATE: Apr 09, 2007
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Letter spacings are to start of next letter											Series/Size Text Length
	R	E	S	T	A	R	E	A			D 2000
21.3	10.2	8.6	9.1	7.4	21.3						35.4
	A	R	E	A							D 2000
18.6	12	10.2	8.4	10.2	18.6						40.8

Spacing Factor is 1 unless specified otherwise



TYPE "A" SIGNS

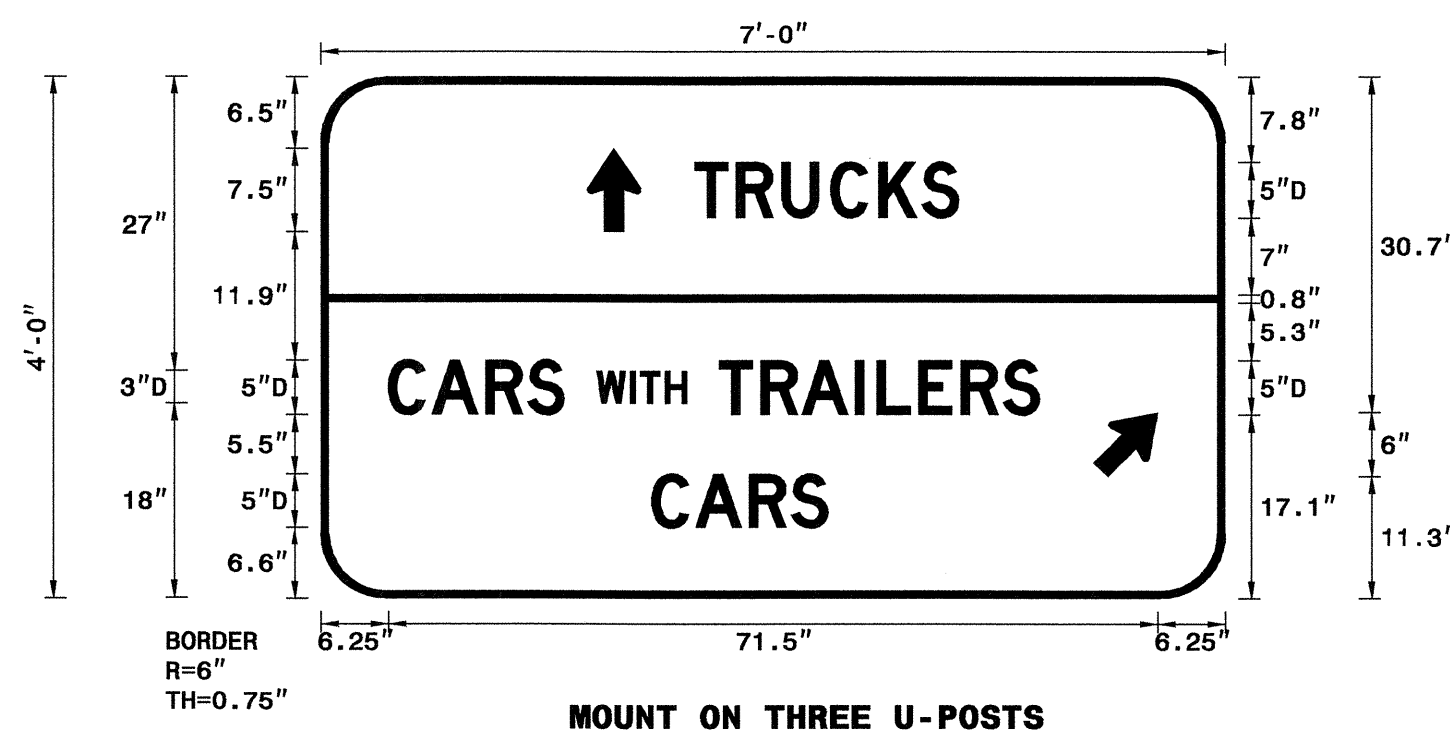
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	JUNE 2007		
SIGNING TECHNICIAN	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		

SIGN NUMBER: 301
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 84"
 HEIGHT: 48"
 TOTAL AREA: 28.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 6"
 NO. Z BARS:
 LENGTH:

SYMBOL	X	Y	WID	HT
ARUP	24.8	34	5	7.5
ARUP	71.8	11.3	5	7.5

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 PROJECT ID: K-4703
 CHECKED BY:
 DIV: 11
 STD #: N/A
 DATE: Apr 04, 2007



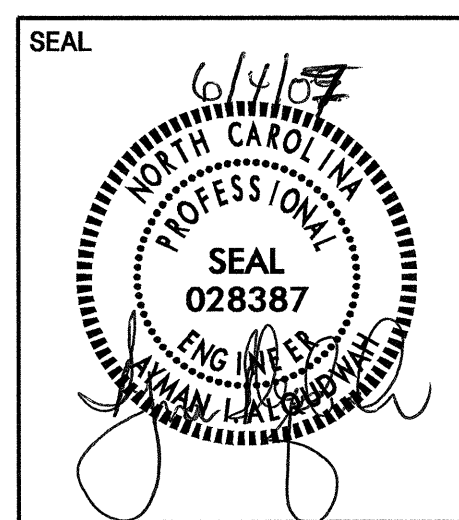
- USE NOTES:
- Legend and border shall be direct applied Type III reflective sheeting.
 - Background shall be Type III reflective sheeting.
 - Center arrow(s) vertically on sign.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter Spacing Data															Series/Size Text Length						
T	R	U	C	K	S											D 2000					
34.8	3.9	4.3	4.5	4.5	4	3.4	24.8									24.5					
C	A	R	S		W	I	T	H	T	R	A	I	L	E	R	S	D 2000				
6.3	4	5	3.9	3.4	3	3.1	0.9	2.3	2	3	3.8	3.8	5	2	3.8	3.9	3.9	3.4	17.2	60.5	
C	A	R	S																		D 2000
30.7	4	5	3.9	3.4	36.9																16.4

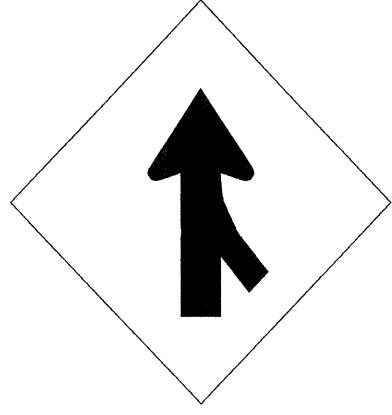
Spacing Factor is 1 unless specified otherwise



TYPE "D" SIGNS

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	JUNE 2007		
SIGNING TECHNICIAN	R. HENNEIN		
SIGNING PROJECT DGN. ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		


406 QUANTITY REQ'D 1



48 X 48
W4-1(R)

TWO "U" POSTS PER SIGN


414 QUANTITY REQ'D 1



54 X 18
R6-1(L)

TWO "U" POSTS PER SIGN

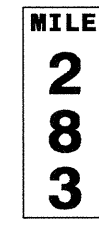
468 QUANTITY REQ'D 2



12 X 18
M10-19

MOUNT BELOW SIGN 467
IN 2 INSTALLATION

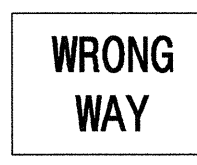
QUANTITY REQ'D 1



12 X 36

ONE "U" POST PER SIGN


410 QUANTITY REQ'D 2



36 X 24
R5-1a

ONE "U" POST PER SIGN

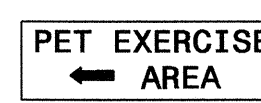
464 QUANTITY REQ'D 3



12 X 26
R7-8e

ONE "U" POST PER SIGN


469 QUANTITY REQ'D 1



15 X 6
M10-18a(L)

ONE "U" POST PER SIGN

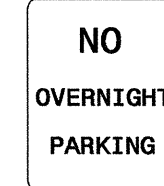
411 QUANTITY REQ'D 4



30 X 30
R5-1

ONE "U" POST PER SIGN

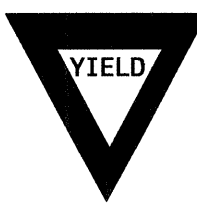
465 QUANTITY REQ'D 2



18 X 24
R7-302a

ONE "U" POST PER SIGN


412 QUANTITY REQ'D 1



36 X 36 X 36
R1-2

ONE "U" POST PER SIGN

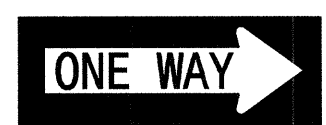
466 QUANTITY REQ'D 1



24 X 9
M10-20

ONE "U" POST PER SIGN


413 QUANTITY REQ'D 1



54 X 18
R6-1(R)

TWO "U" POSTS PER SIGN

467 QUANTITY REQ'D 2




21 X 15
M10-18b

ONE "U" POST PER SIGN

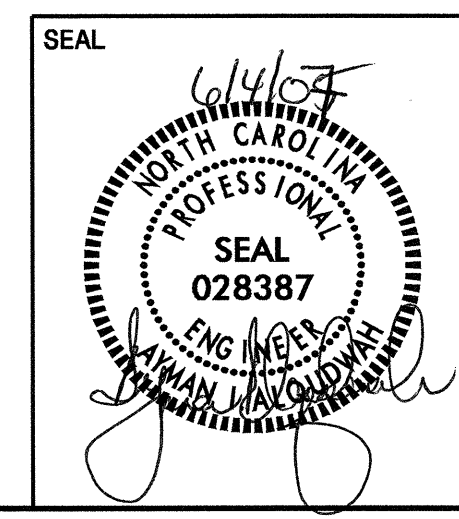
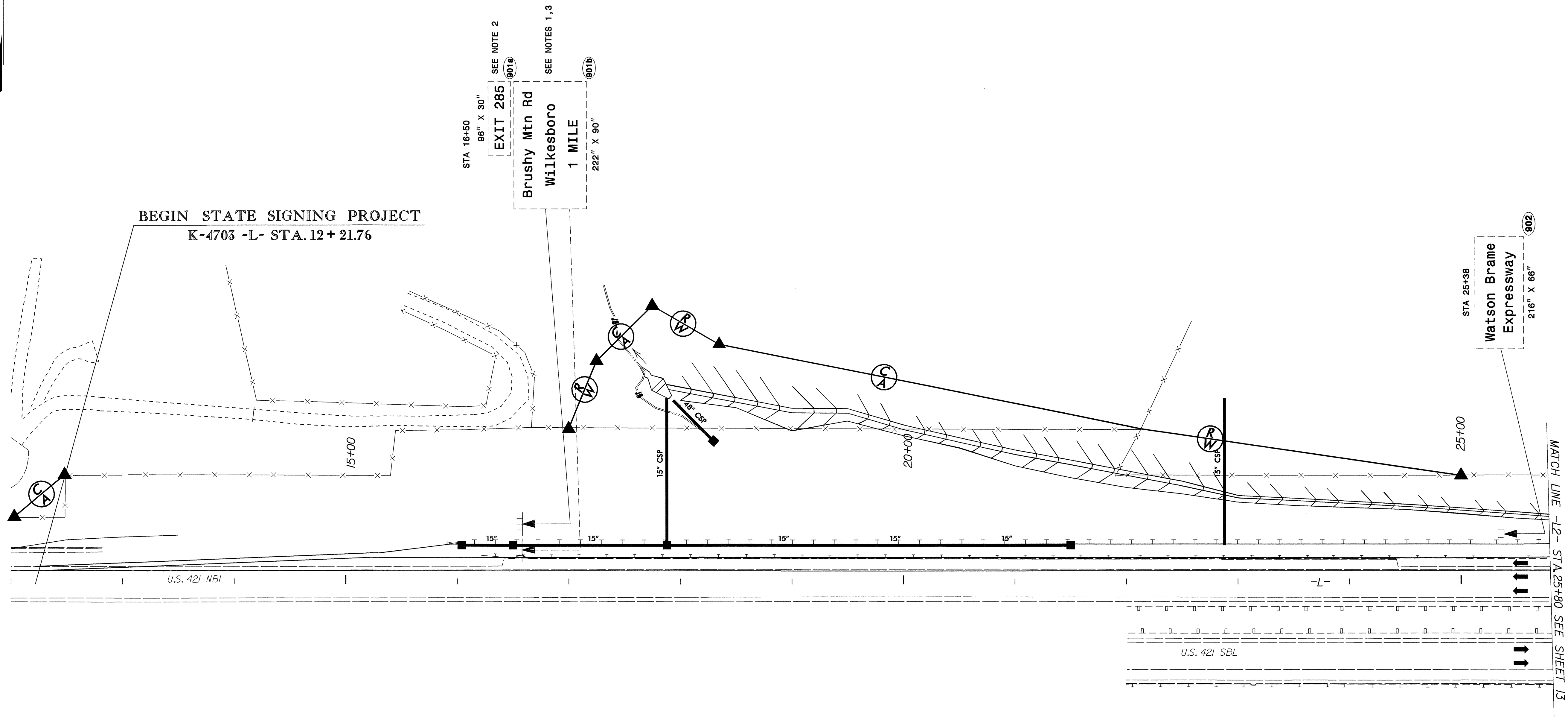
NOTE: THIS DRAWING IS DIMENSIONED
IN INCHES UNLESS OTHERWISE
DEPICTED WITHIN THE DRAWING.

SEAL



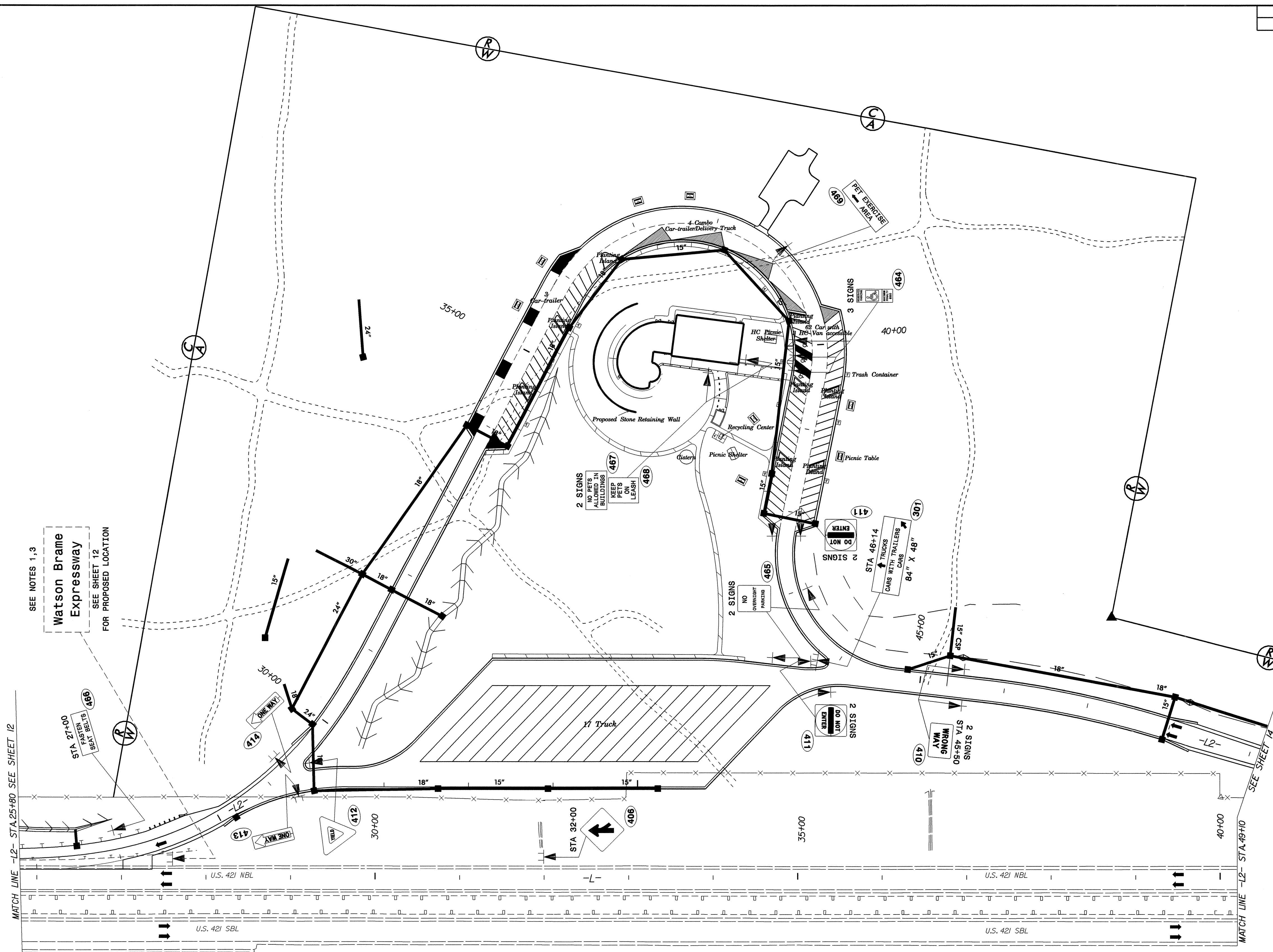
TYPE "E" SIGNS & MILEMARKERS

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	JUNE 2007		
SIGNING TECHNICIAN	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		



**EXISTING/PROPOSED ROADWAY
US 421
STA 12+00 TO 25+80**

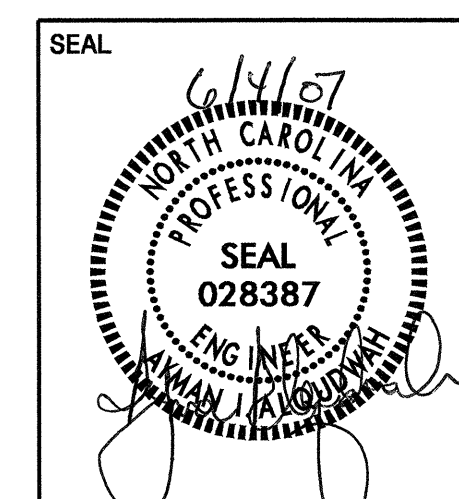
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	JUNE 2007		
SIGNING TECHNICIAN	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		



SEE NOTES 1,3
Watson Brame
Expressway
SEE SHEET 12
FOR PROPOSED LOCATION

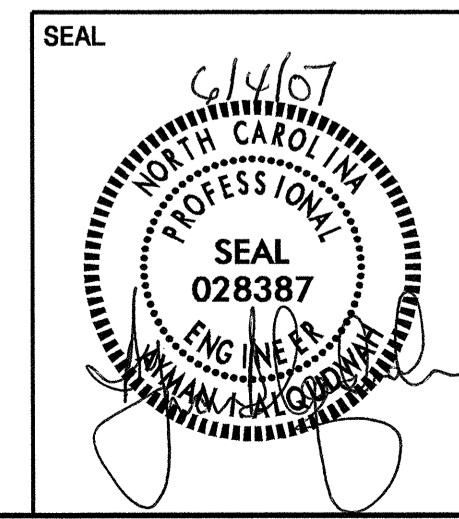
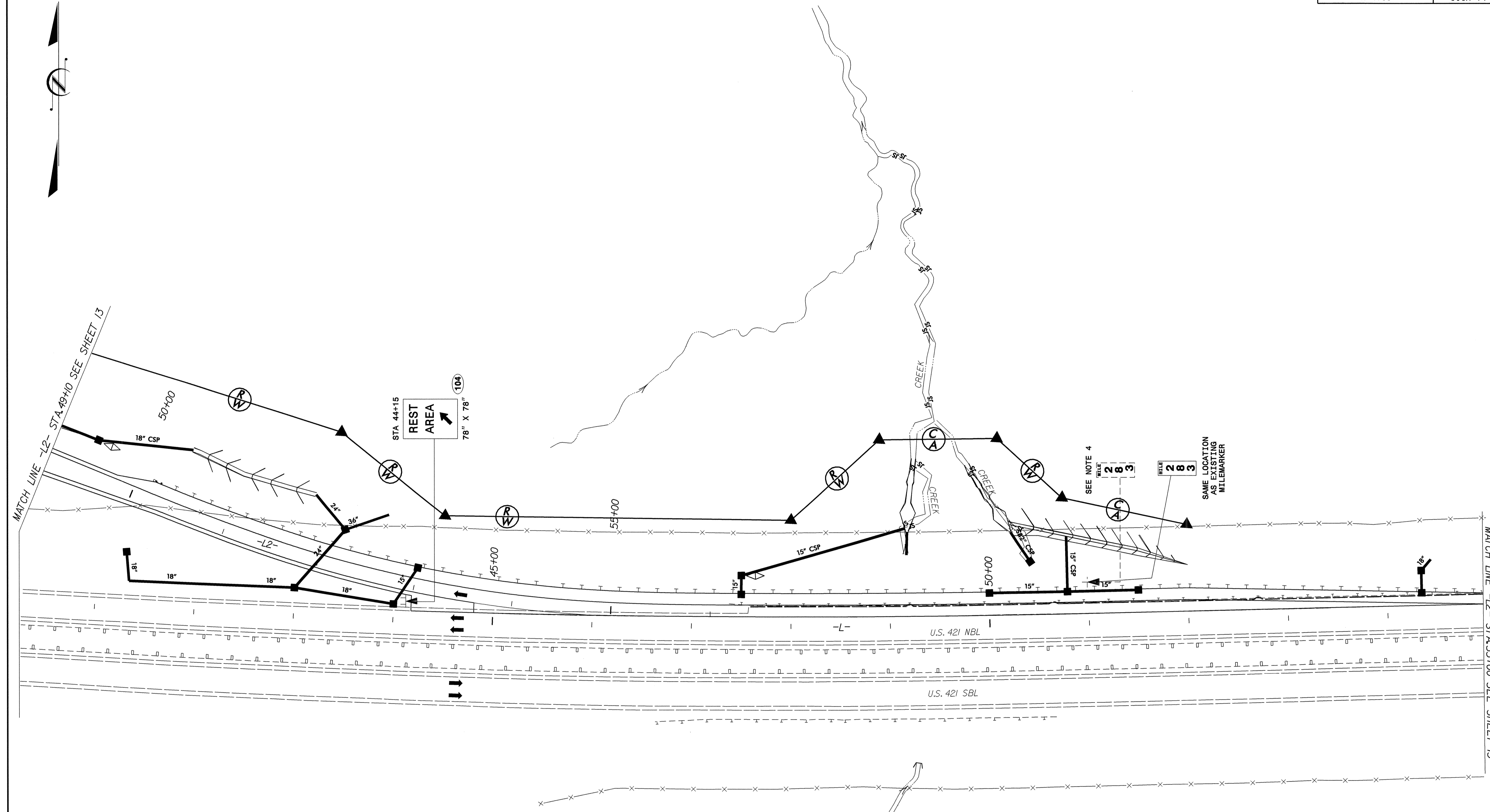
MATCH LINE -L2- STA. 25+80 SEE SHEET 12

MATCH LINE -L2- STA. 49+10 SEE SHEET 14



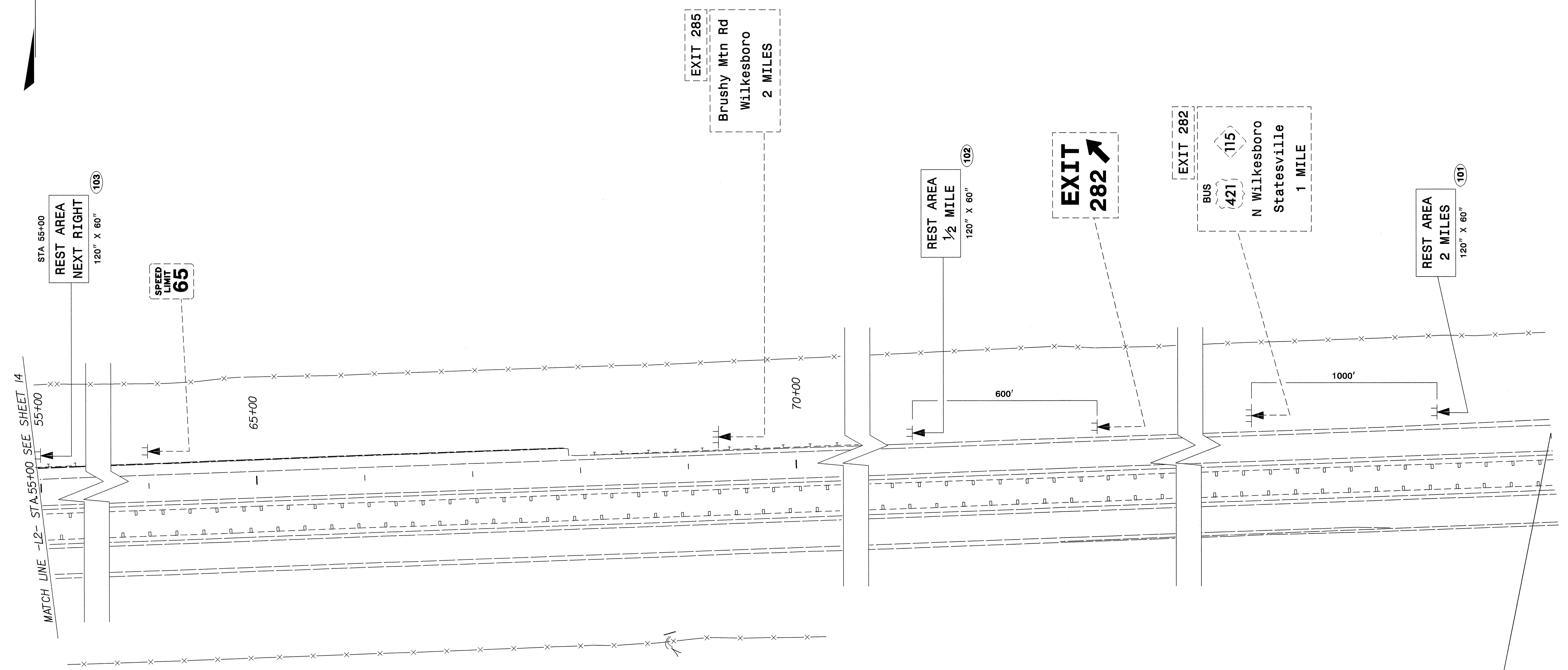
EXISTING/PROPOSED ROADWAY
US 421
STA 25+80 TO 49+10

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	JUNE 2007		
SIGNING TECHNICIAN	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		

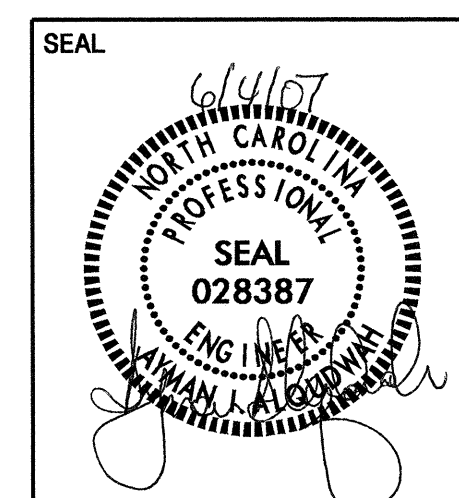


**EXISTING/PROPOSED ROADWAY
US 421
STA 49+10 TO 55+00**

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	JUNE 2007		
SIGNING TECHNICIAN	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		



END STATE SIGNING PROJECT
K-4703 -L- STA. 151+ 00.00



EXISTING/PROPOSED ROADWAY
US 421
STA 55+00 TO 151+00

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	JUNE 2007		
SIGNING TECHNICIAN	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		