



CONTRACT: C202028 **T.I.P.: U-2519DA**

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**



TIP NO. U-2519DA	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 2/27/11	

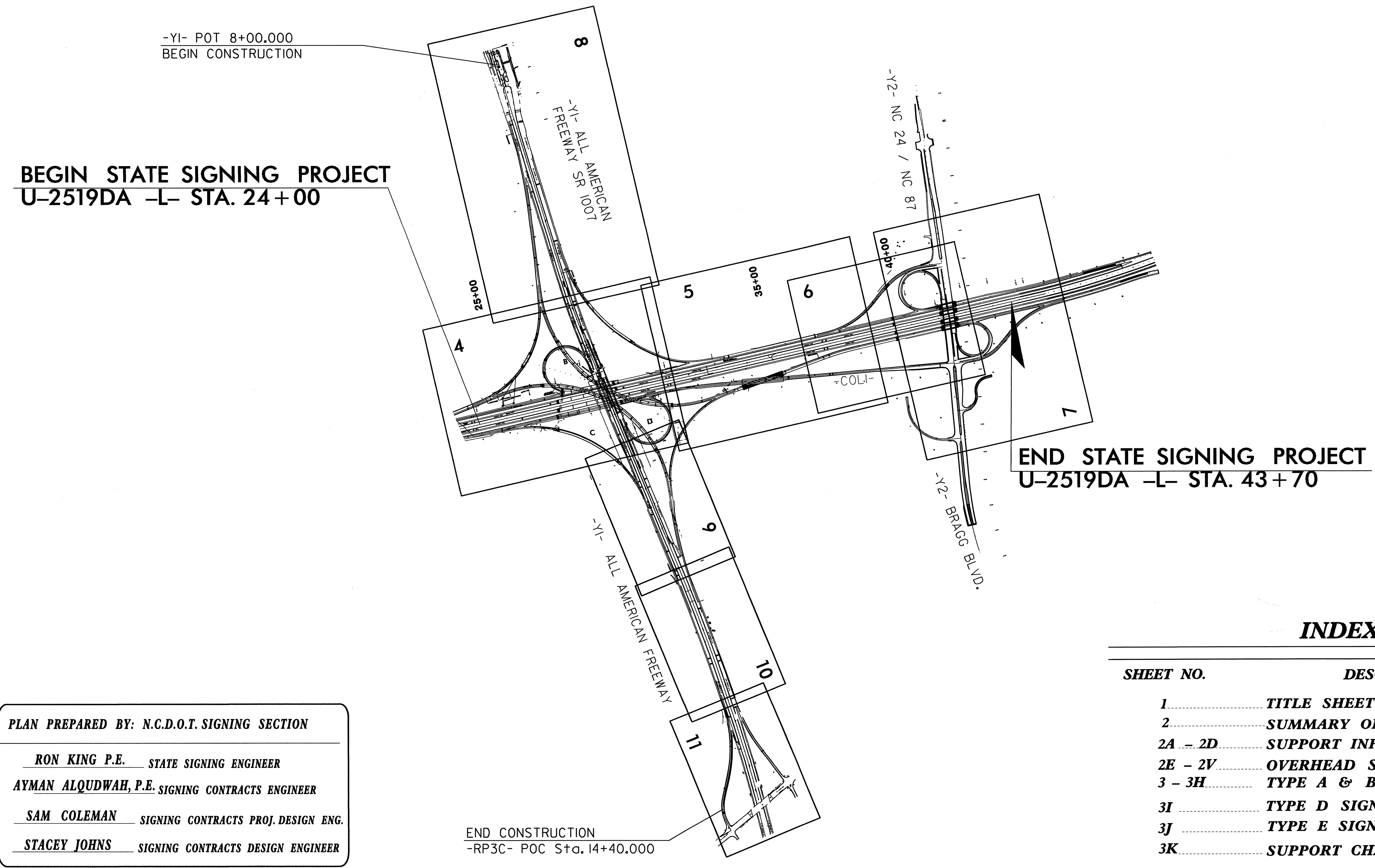


SEAL
028387
ENGINEER
AYMAN I. ALQUODWAH



SIGNING PLANS

LOCATION: FAYETTEVILLE OUTER LOOP FROM EAST OF SR 1415 TO WEST OF NC 24 (BRAGG BOULEVARD)




PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION
RON KING P.E. STATE SIGNING ENGINEER
AYMAN ALQUODWAH, P.E. SIGNING CONTRACTS ENGINEER
SAM COLEMAN SIGNING CONTRACTS PROJ. DESIGN ENG.
STACEY JOHNS SIGNING CONTRACTS DESIGN ENGINEER

**END STATE SIGNING PROJECT
U-2519DA -L- STA. 43+70**

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TIP NO. U-2519DA	SHEET NO. SIGN-2
APPROVED: <i>[Signature]</i>	
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SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	5	C.M.
4057000000	SP	OVERHEAD FOOTING	207	C.M.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	2014	KG.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	293	KG.
4072000000	903	SUPPORTS, 4.5 KG STEEL U-CHANNEL	333	L.M.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 29+20 -COL2-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 16+80 -Y1-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 35+10 -RP1BD-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 33+16 -COL2-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 37+90 -RP1BD-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 11+00 -Y1-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 12+20 -Y1-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 24+20 -RP1BD-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 10+00 -RP1D-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 23+00 -Y1-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 28+30 -Y1-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 27+70 -Y1-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 32+00 -Y1-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 31+75 -Y1-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 41+70 -RP1BD-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 12+04 -LP2D-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 19+20 -Y2-	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 13+40 -Y2-	1	L.S.
4096000000	904	SIGN ERECTION, TYPE D	2	EA.
4102000000	904	SIGN ERECTION, TYPE E	52	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	10	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E	8	EA.
4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD	4	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	4	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	14	EA.
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD	1	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	1	EA.
4238000000	907	DISPOSAL OF SIGN, D, E OR F	1	EA.

Pay Item Notes:	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
3	RELOCATE SIGN, TYPE E
4	DISPOSAL OF SUPPORTS, U-CHANNEL
5	DISPOSAL OF SIGN SYSTEM, OVERHEAD
6	DISPOSAL OF SIGN SYSTEM, WOOD
7	DISPOSAL OF SIGN, A OR B (OVERHEAD)
8	SIGN ERECTION, TYPE A (OVERHEAD)
9	SIGN ERECTION, TYPE D, E, AND F
10	DISPOSAL OF SIGN, D, E OR F

Project Notes:	
A	ALL PROPOSED A & B SIGNS TO REPLACE EXISTING SIGNS SHALL BE PLACED 3.0 METERS BEHIND EXISTING SIGNS.
B	EXISTING SIGN SUPPORTS AND FLASHER EQUIPMENT TO BE HANDLED BY OTHERS.

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

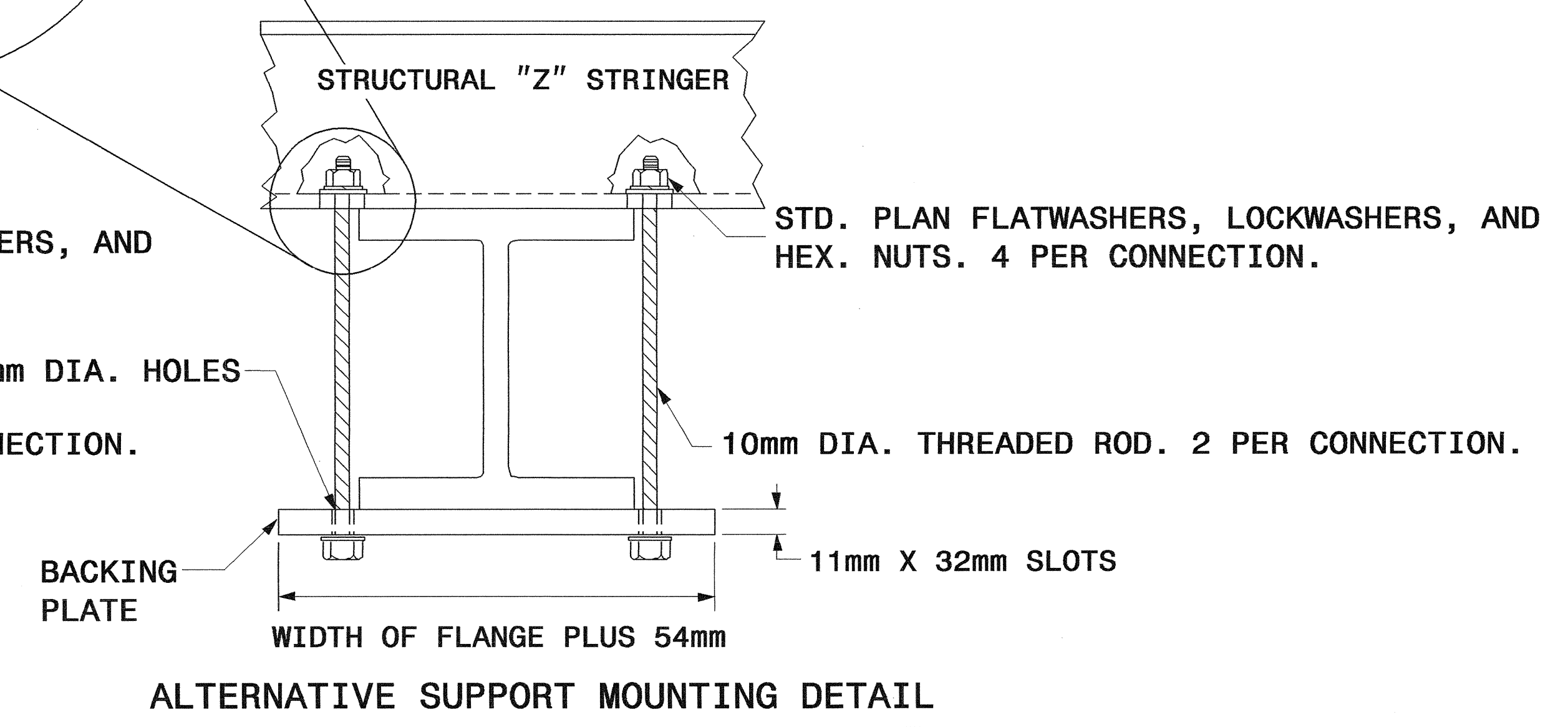
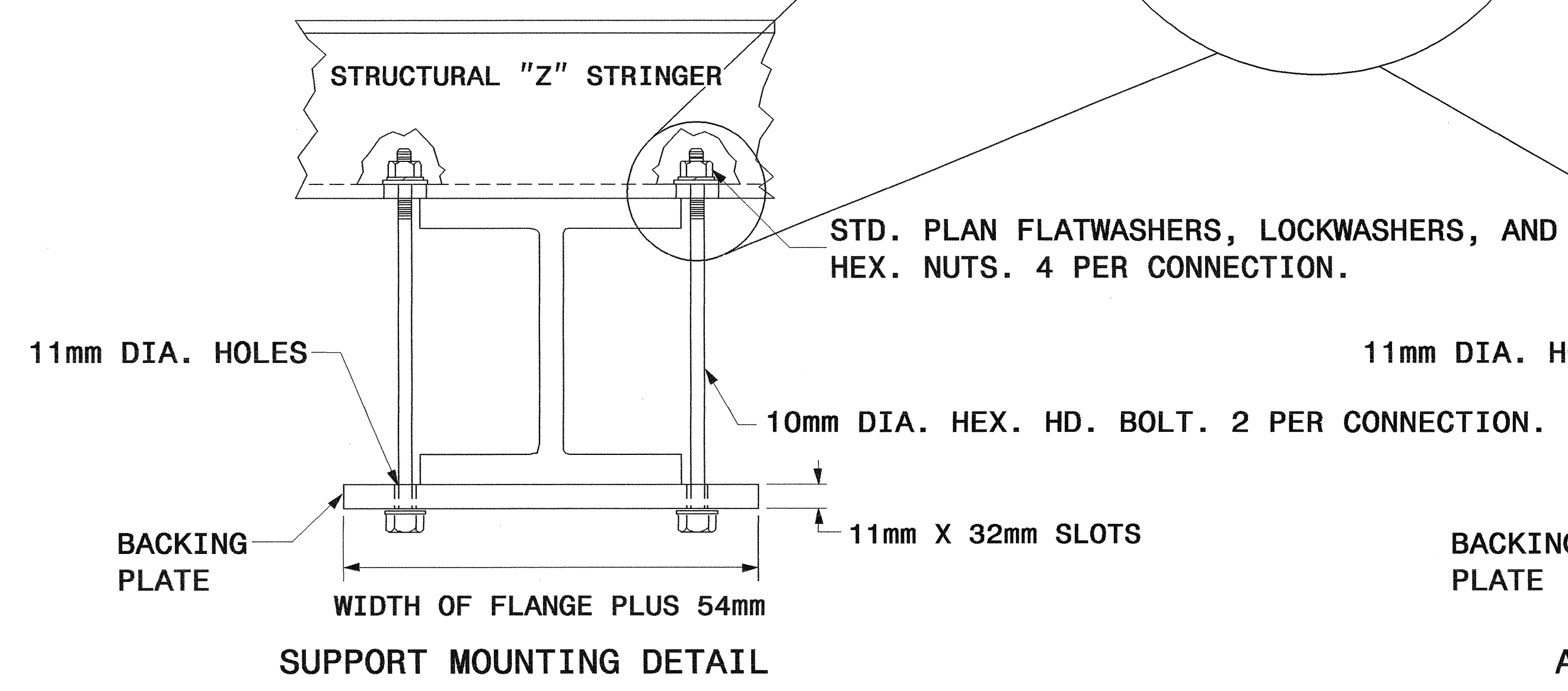
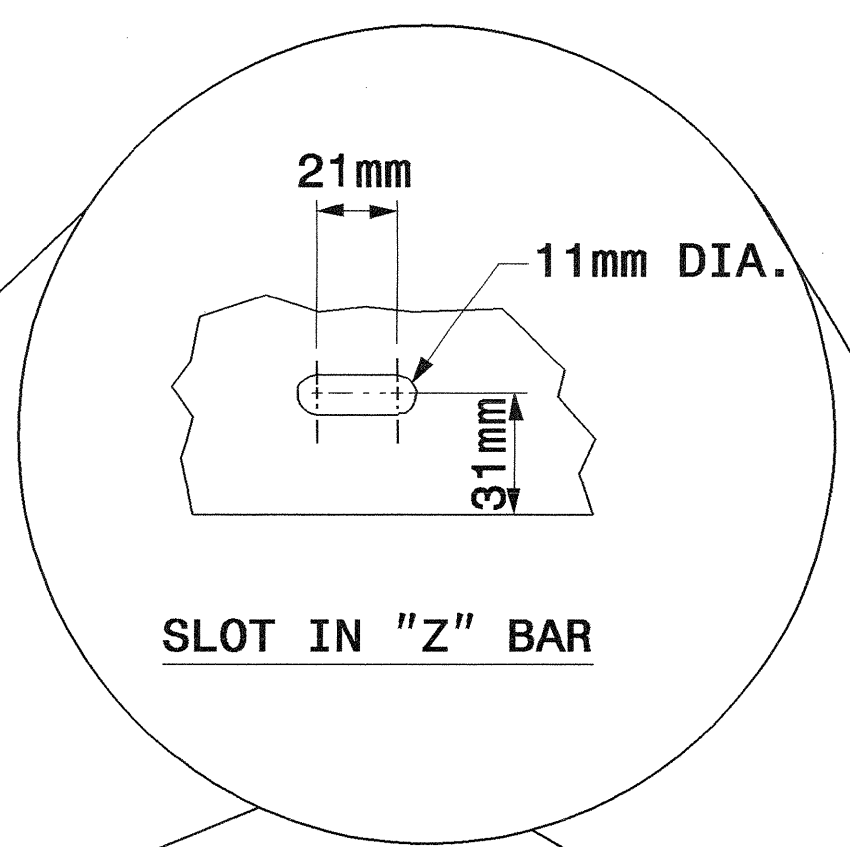
ROADWAY STANDARD DRAWINGS
APPLICABLE TO THESE SIGNING PLANS

901.10	904.10
901.20	904.20
901.50	904.40
901.70	904.50

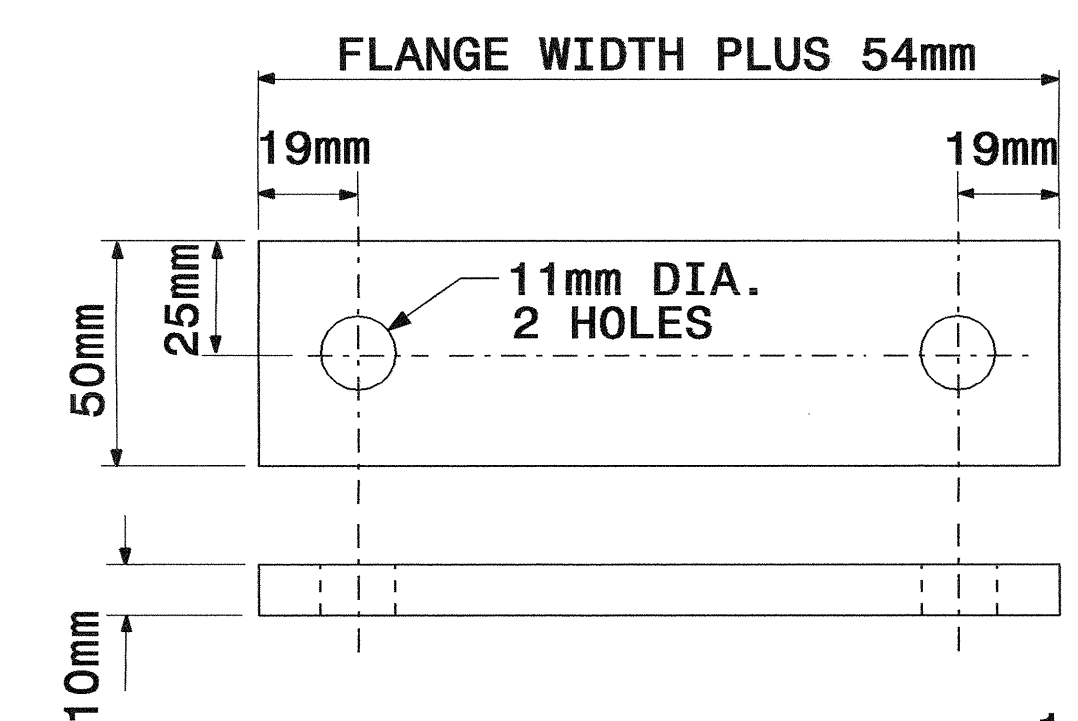
**SUMMARY OF QUANTITIES
AND NOTES**



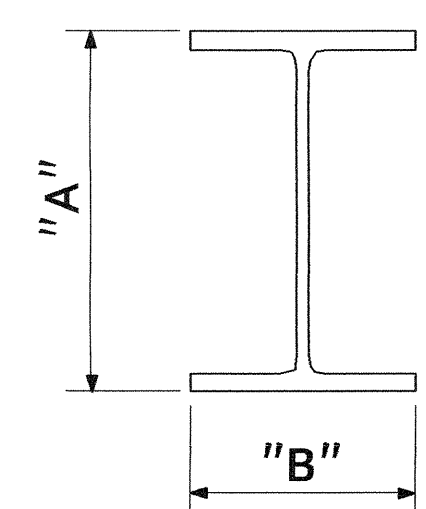
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**BACKING PLATE
DETAIL**



SIGN SUPPORTS SECTION DIMENSIONS



SECTION	A	B
S75 X 8.5	76.2	60.3
S100 X 11	101.6	66.7
W150 X 13	152.4	101.6
W150 X 18	152.4	101.6
W150 X 24	158.8	101.6
W200 X 27	206.4	133.4
W200 X 31	209.6	133.4
W250 X 33	257.2	146.1
W250 X 39	263.5	146.1
W300 X 39	311.2	165.0
W350 X 45	352.4	171.5
W400 X 31	403.2	139.7
W450 X 52	450.9	152.4
W450 X 60	454.0	152.4
W525 X 65	523.9	165.1

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.
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.

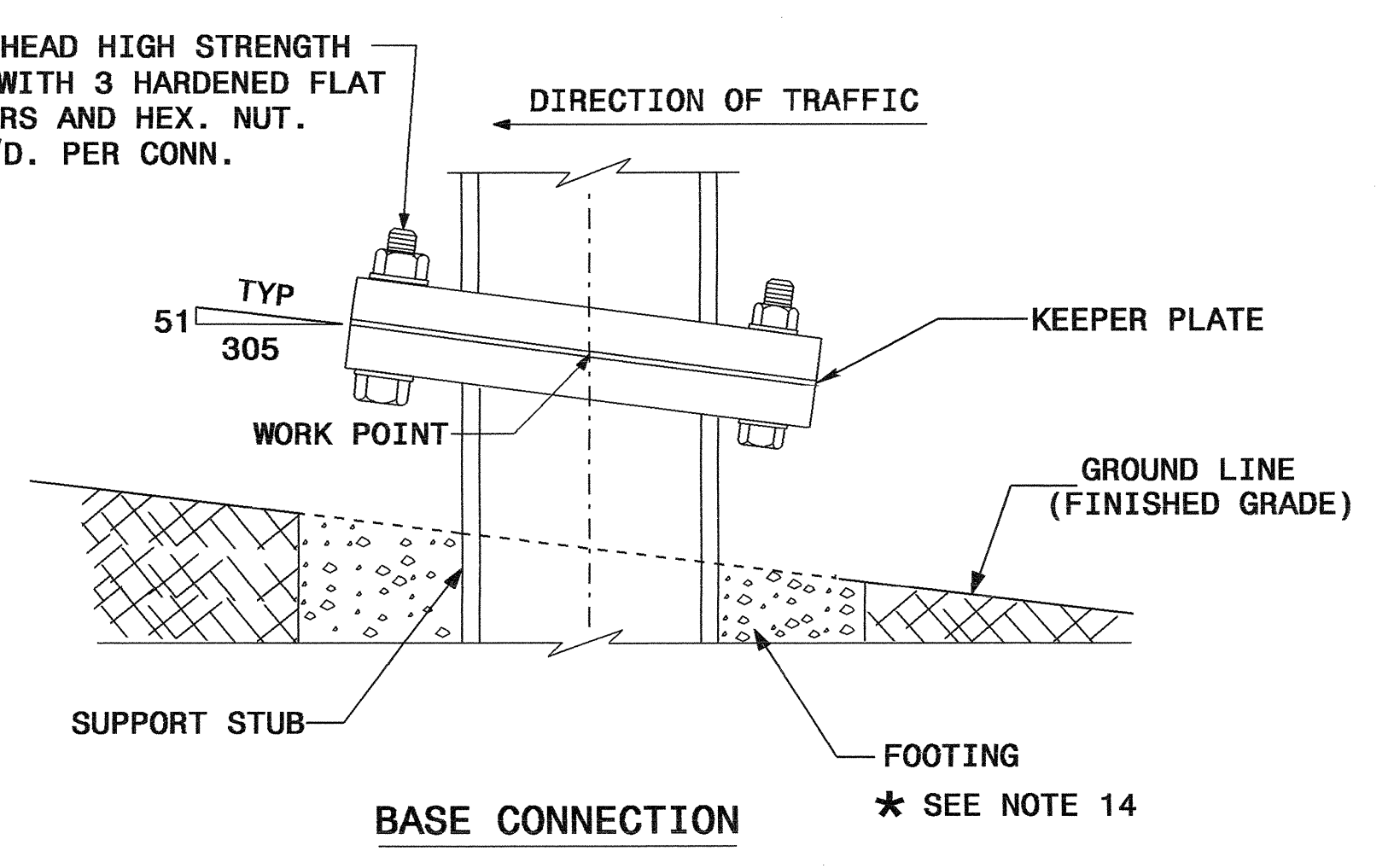
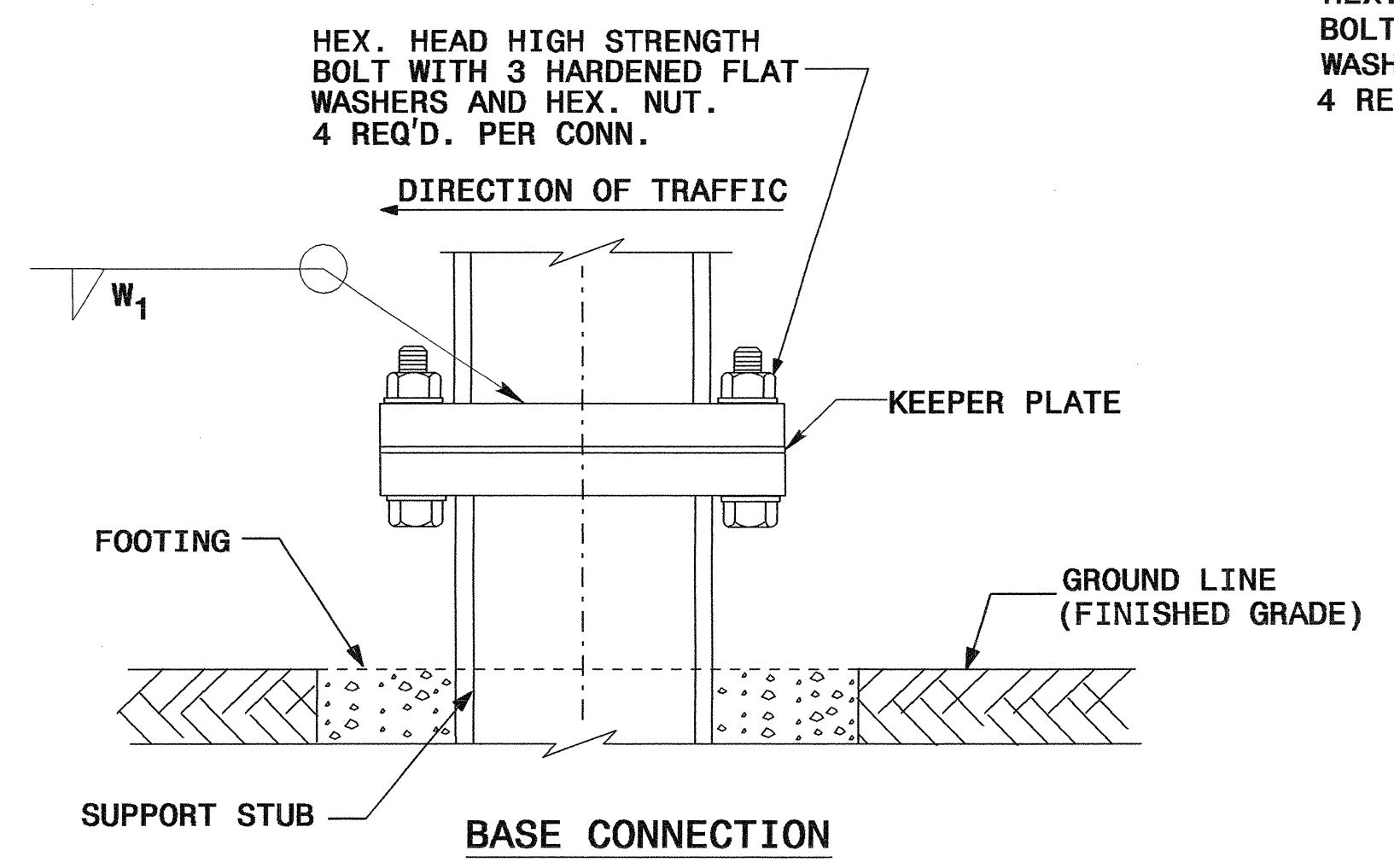
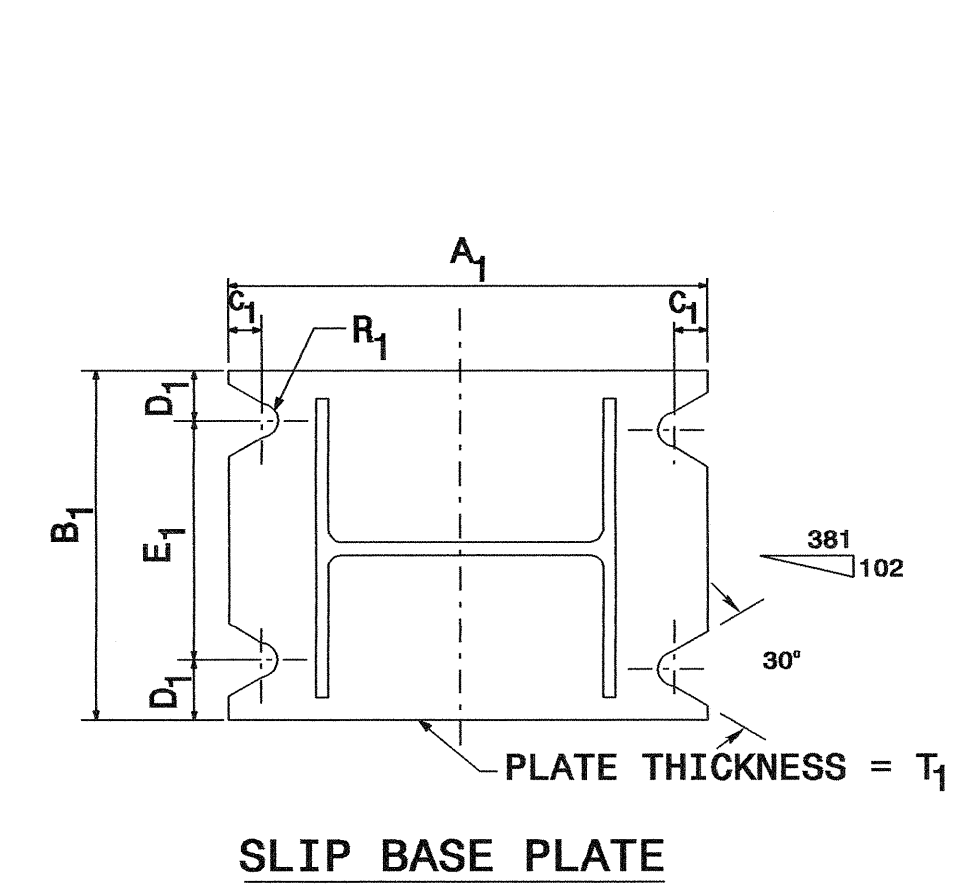
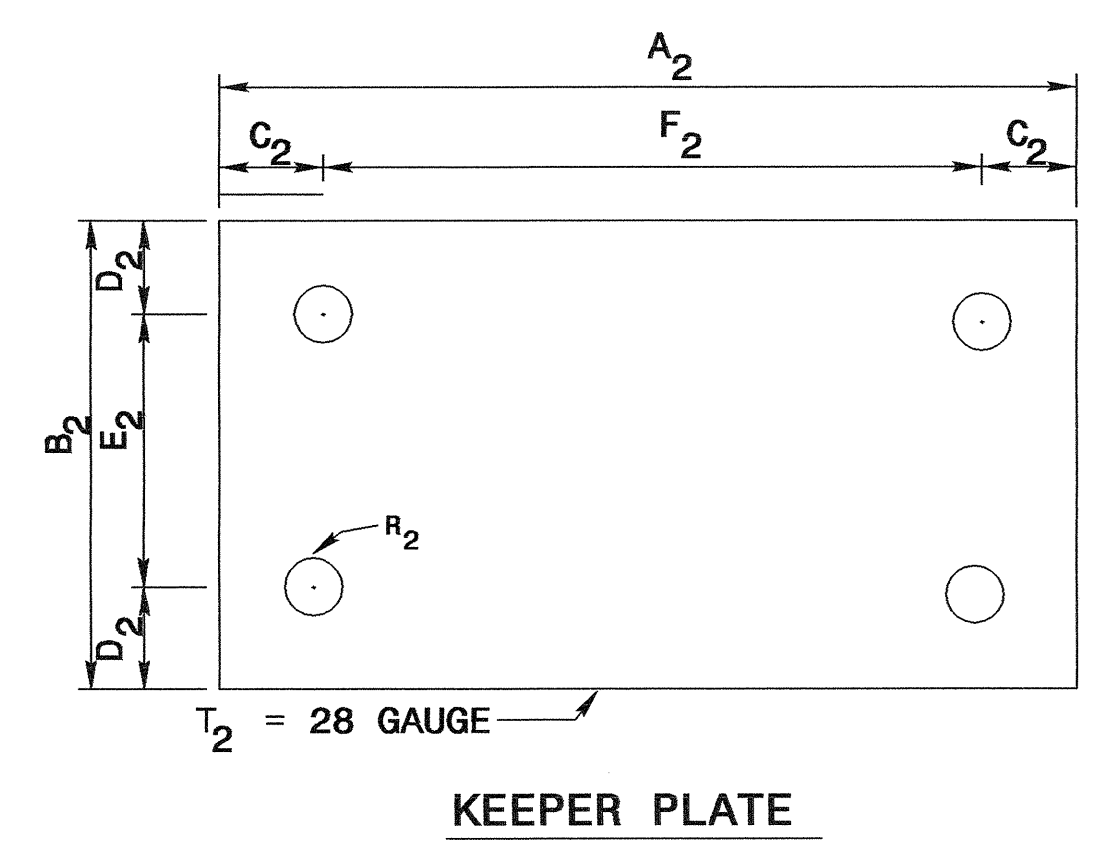
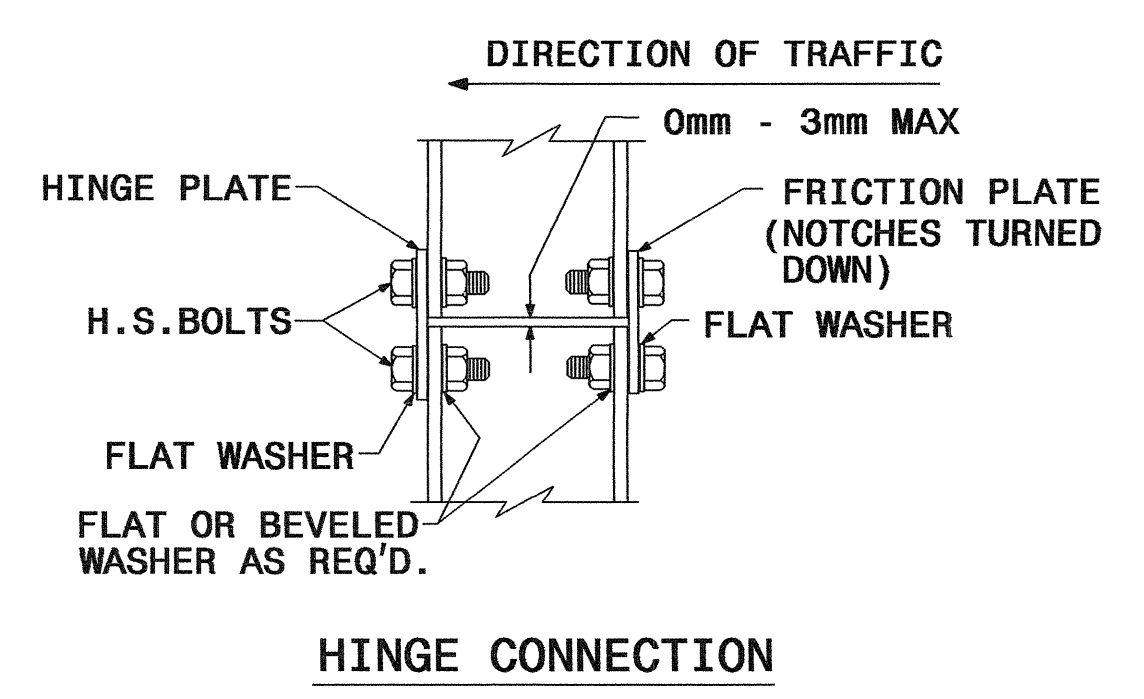
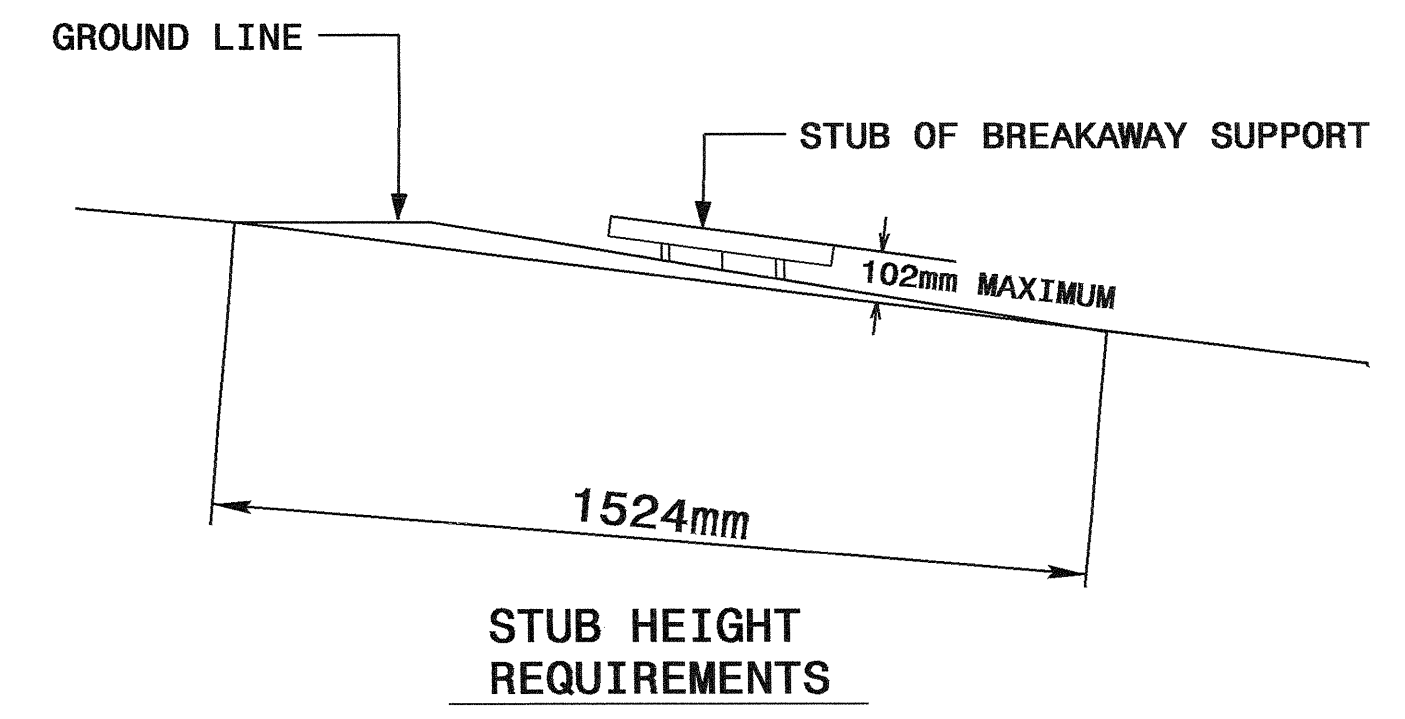
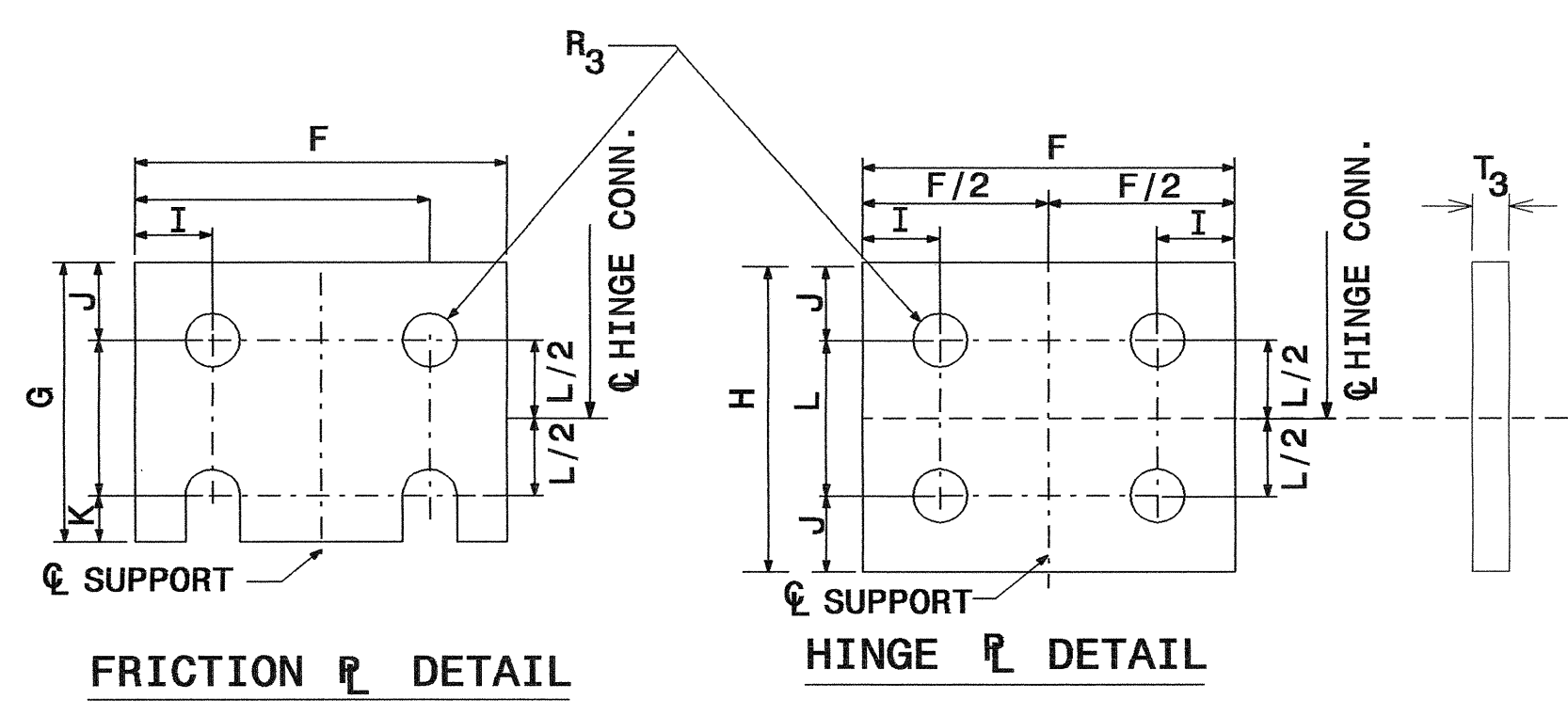
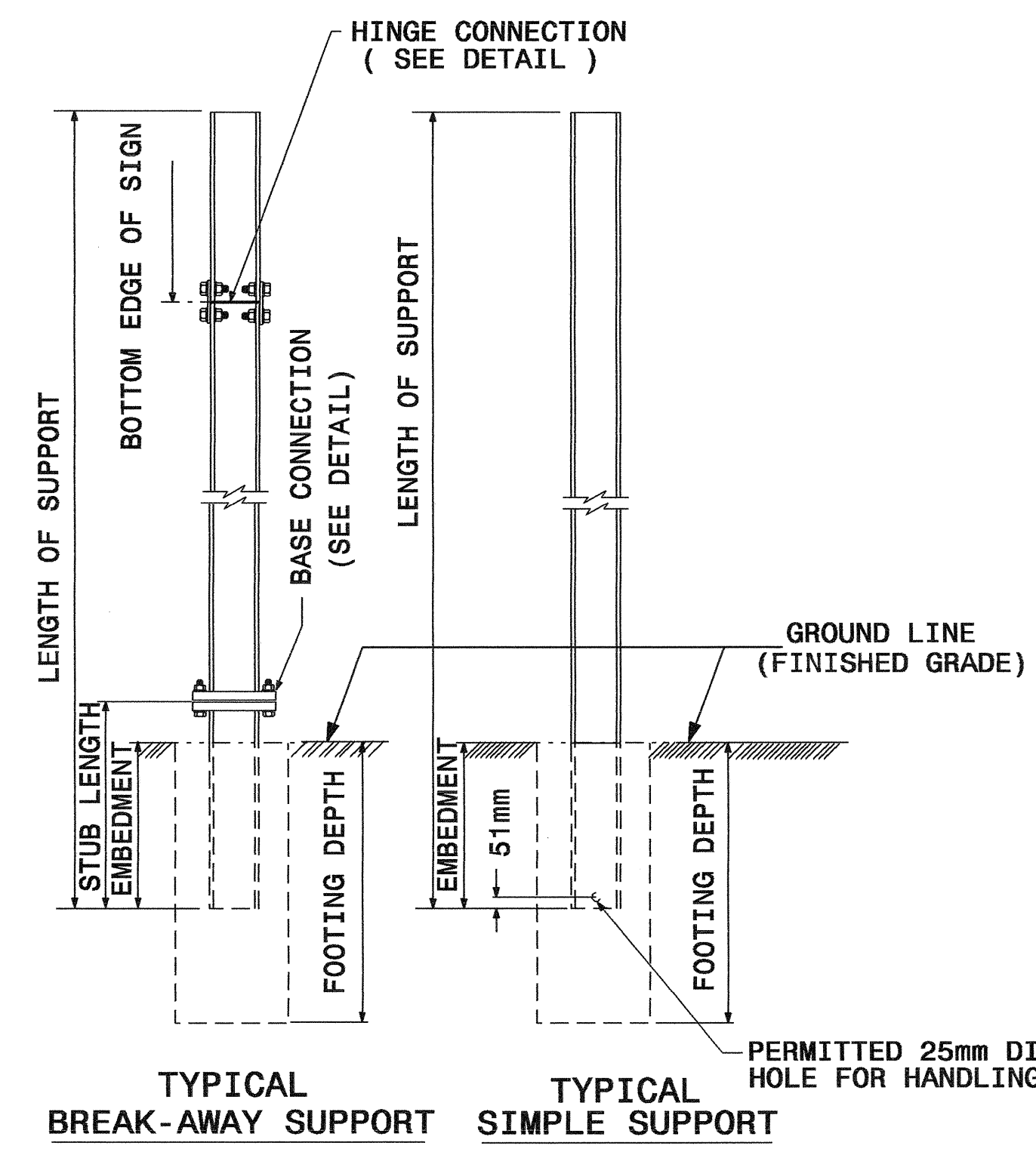
Note:
This drawing is dimensioned in millimeters unless otherwise depicted within the drawing.

SIGN MOUNTING DETAILS

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TIP NO. U-2519DA	SHEET NO. SIGN-2B
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SEE SHEET 2 OF 3 FOR
BASE CONNECTION DATA
HINGE CONNECTION DATA
& FOUNDATION DATA.
SEE SHEET 3 OF 3 FOR
GENERAL NOTES.

Note:
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GROUND MOUNTED SIGN SUPPORTS

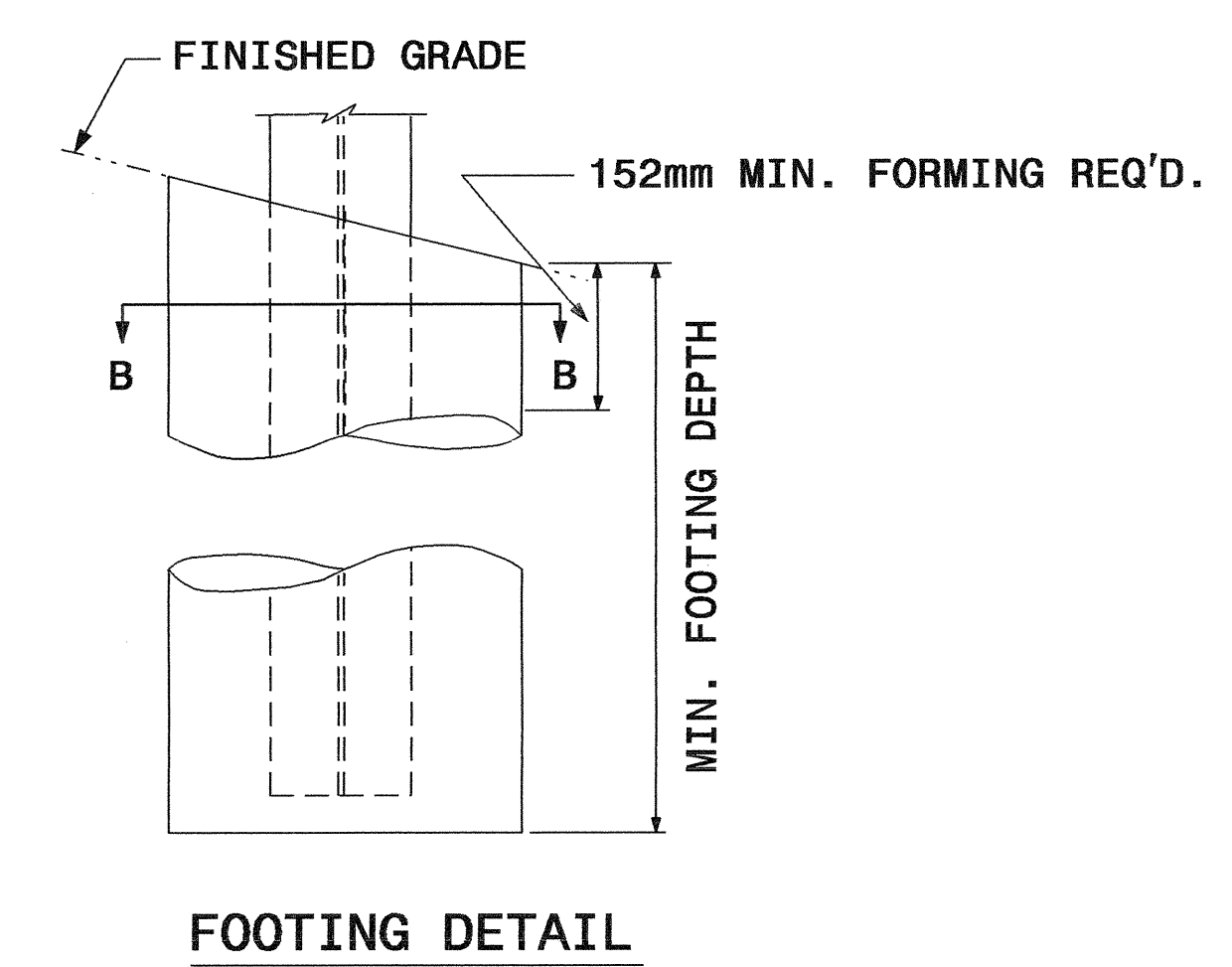
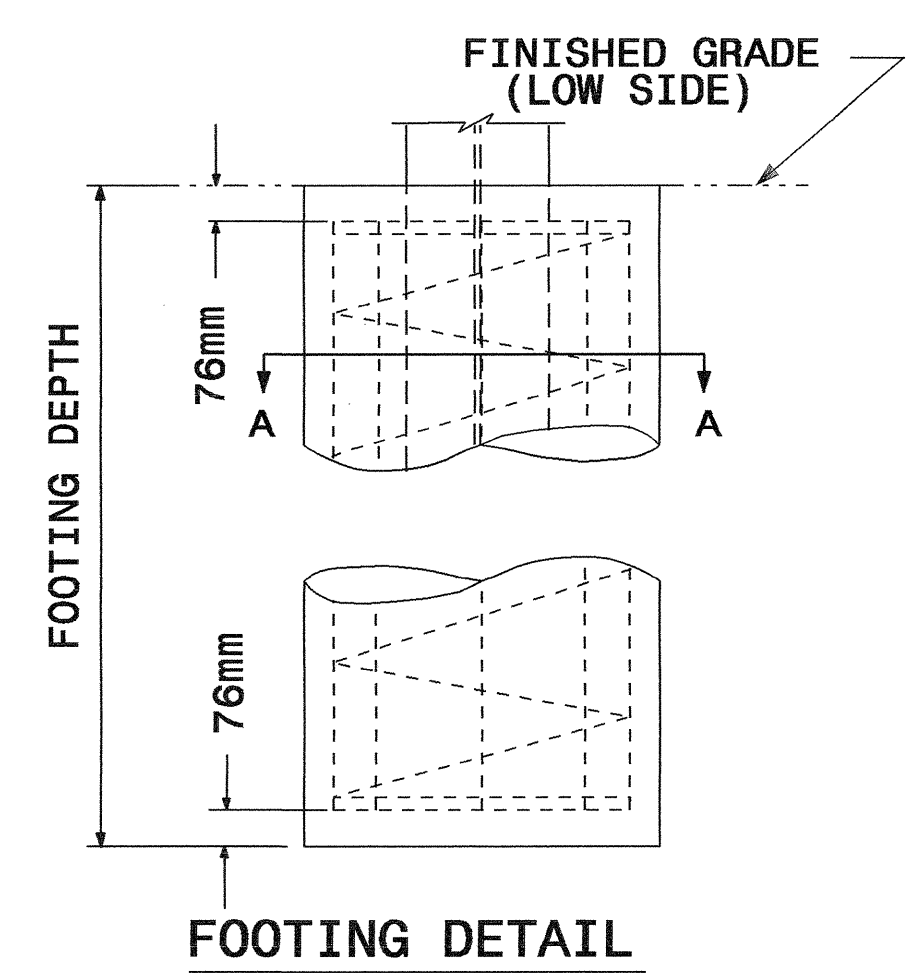
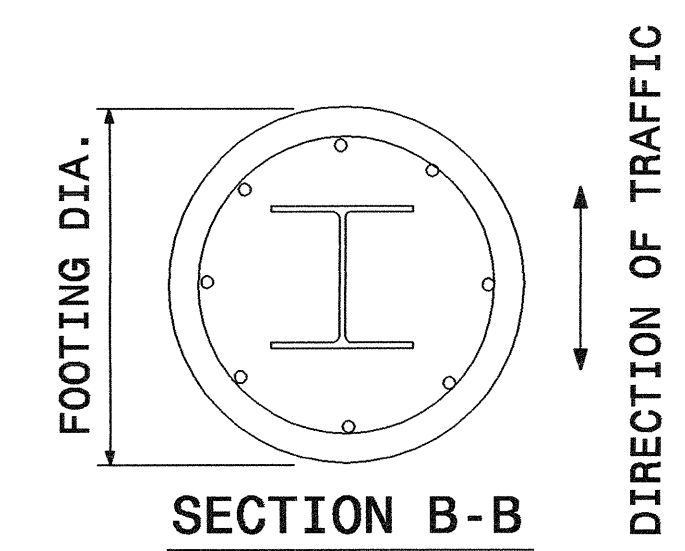
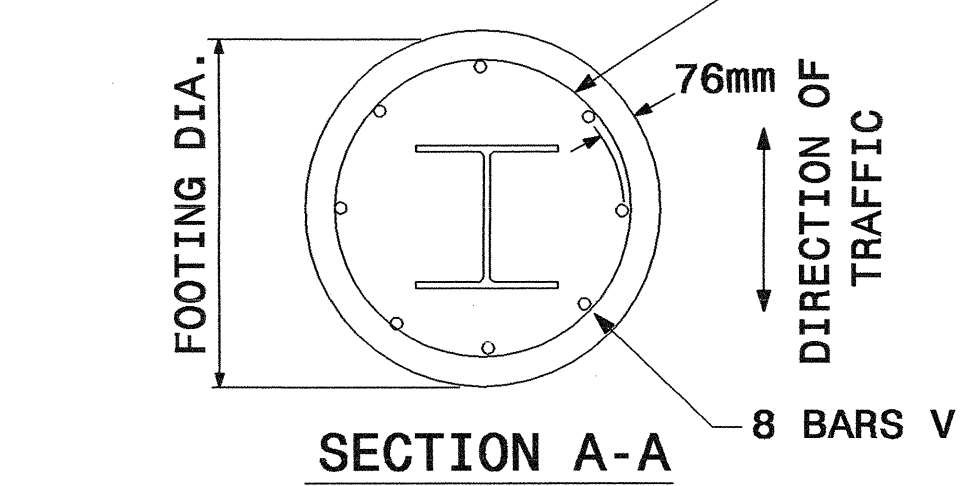
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SLIP BASE PLATE DATA									KEEPER PLATE DATA							HINGE CONNECTION DATA							BREAK AWAY SUPPORT WEIGHT CONSTANT KGS.			
BEAM SHAPE	BOLT SIZE	A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K		L	R ₃	T ₃
S75X8.5	13 DIA. X 76	178	102	25	19	64	25	7	178	102	25	19	64	7	28 GAUGE	13 DIA. X 32	57	89	102	13	25	13	51	7	10	8
S100X11	13 DIA. X 76	203	102	25	19	64	25	7	203	102	25	19	64	7	28 GAUGE	13 DIA. X 32	67	89	102	13	25	13	51	7	10	9
W150X13	13 DIA. X 76	254	127	25	19	89	25	7	254	127	25	19	89	7	28 GAUGE	13 DIA. X 32	102	89	102	19	25	13	51	7	10	15
W150X18	16 DIA. X 95	279	127	32	22	83	32	9	279	127	32	22	83	9	28 GAUGE	16 DIA. X 57	102	102	114	19	29	16	57	9	10	18
W150X24	16 DIA. X 95	305	152	32	22	108	38	9	305	152	32	22	108	9	28 GAUGE	16 DIA. X 64	102	102	114	19	29	16	57	9	13	21
W200X27	16 DIA. X 108	343	165	32	22	121	38	9	343	165	32	22	121	9	28 GAUGE	16 DIA. X 64	133	102	114	25	29	16	57	9	13	32
W200X31	19 DIA. X 108	356	178	38	25	127	38	10	356	178	38	25	127	10	28 GAUGE	19 DIA. X 70	133	152	178	25	44	19	89	10	13	33
W250X33	19 DIA. X 108	406	203	38	25	152	38	10	406	203	38	25	152	10	28 GAUGE	19 DIA. X 70	146	152	178	25	44	19	89	10	13	54
W250X39	19 DIA. X 121	419	203	38	25	152	44	10	419	203	38	25	152	10	28 GAUGE	19 DIA. X 70	146	152	178	25	44	19	89	10	16	64
W300X39	19 DIA. X 121	470	229	38	25	178	44	10	470	229	38	25	178	10	28 GAUGE	19 DIA. X 70	165	152	178	25	44	19	89	10	16	80
W350X45	25 DIA. X 127	559	229	51	38	152	51	13	559	229	51	38	152	13	28 GAUGE	25 DIA. X 76	171	178	203	32	51	25	102	13	16	93
W400X46	25 DIA. X 127	610	229	51	38	152	51	13	610	229	51	38	152	13	28 GAUGE	25 DIA. X 83	140	178	203	32	51	25	102	13	19	101
W450X52	25 DIA. X 127	635	229	51	38	152	51	13	635	229	51	38	152	13	28 GAUGE	25 DIA. X 83	152	178	203	32	51	25	102	13	19	110
W450X60	25 DIA. X 140	660	229	51	38	152	57	13	660	229	51	38	152	13	28 GAUGE	25 DIA. X 95	152	178	203	32	51	25	102	13	22	126
W525X65	25 DIA. X 140	737	229	51	38	152	64	13	737	229	51	38	152	13	28 GAUGE	25 DIA. X 95	165	178	203	32	51	25	102	13	22	141

51mm FLAT TURNS
TOP AND BOTTOM
(SEE NOTE 11)



FOUNDATION DATA *		
FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR
305	8 # 4 BARS	#3 BAR, 76 PITCH
457	8 # 6 BARS	#3 BAR, 76 PITCH
610	8 # 7 BARS	#3 BAR, 76 PITCH
762	8 # 9 BARS	#3 BAR, 76 PITCH
914	8 # 11 BARS	#3 BAR, 76 PITCH
1067	8 # 12 BARS	#3 BAR, 76 PITCH
1219	8 # 14 BARS	#3 BAR, 76 PITCH

* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS
SEE SHEET 8 FOR NOTES

Note:
This drawing is dimensioned in millimeters unless otherwise depicted within the drawing.

GROUND MOUNTED SIGN SUPPORTS

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NOTES:

- DESIGN CONFORMS WITH THE SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS - A.A.S.H.T.O.
- USE MATERIALS, FABRICATE AND ERECT SIGNS AND SUPPORTS THAT CONFORM TO THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- 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.
- 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
- 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.
- BASE PLATES DETAILS ARE FOR INSTALLATIONS ON THE RIGHT SHOULDER AND IN GORE AREAS.
- 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 (N-M)
13	39
16	62
19	73
25	83

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.

- 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 HALF A METER INTO THE ROCK. CONSTRUCT ALL FOOTINGS OF CLASS A CONCRETE.
- FORM TOP 152mm OF FOOTINGS. ENGINEER APPROVES THE METHOD USED.
- THE FINAL FLAT TURN OF SPIRAL OR HOOPS NO. 3 OR LARGER PLACED 76mm FROM TOP AND BOTTOM OF FOOTING MAY BE WELDED TO VERTICAL REINFORCING BARS. NO OTHER WELDING WILL BE PERMITTED.
- ELIMINATE HINGE CONNECTION FOR ALL SINGLE SUPPORT SIGNS.
- 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.
- SHAPE THE TOPS OF THE FOOTINGS TO CONFORM WITH FINISHED GROUND ELEVATIONS SUCH THAT WATER WILL NOT COLLECT AGAINST THE SUPPORTS.
- IF THE GROUNDWATER IS ENCOUNTERED AT AN DEPTH SHALLOWER THAN 2 METERS, 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.

Note:
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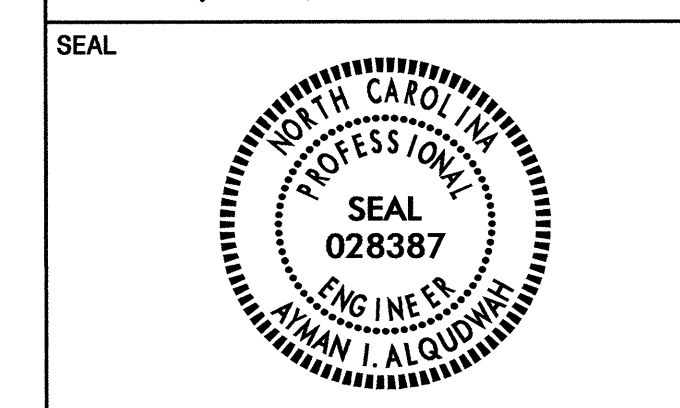
GROUND MOUNTED SIGN SUPPORTS

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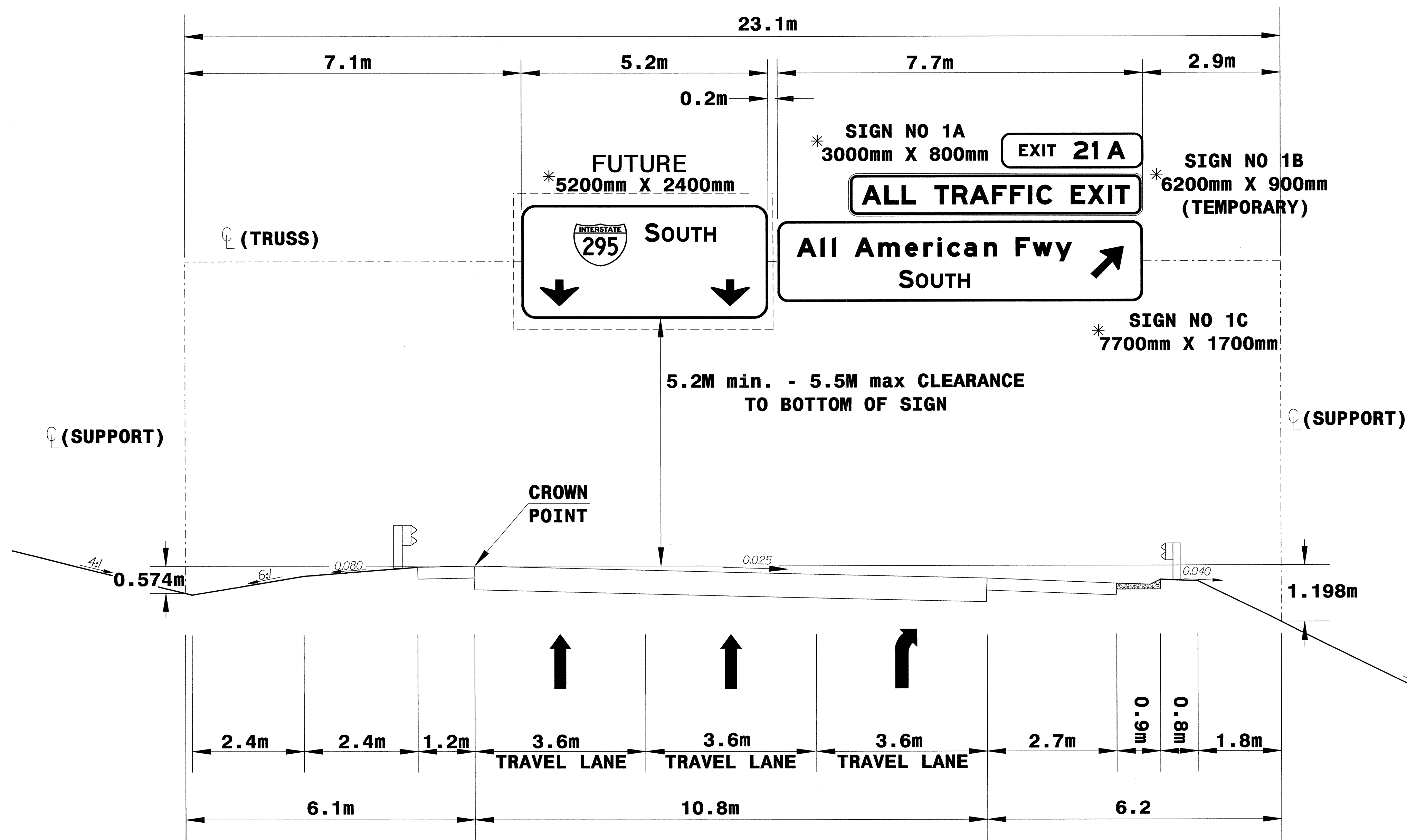
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NOTES:

- 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 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 177 KPH.

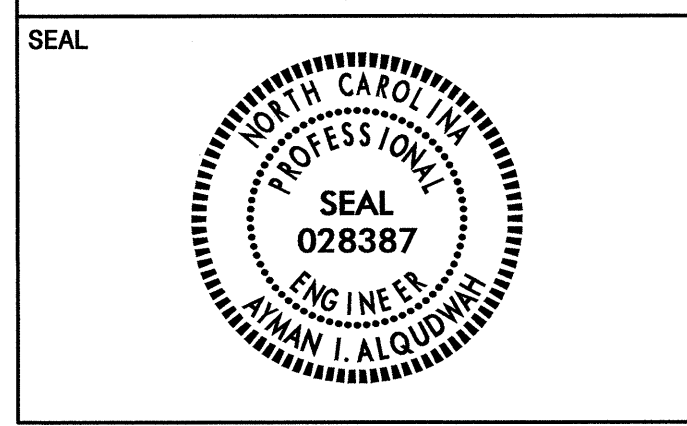


OVERHEAD SIGN ASS'Y "A" @
STA. 29+20 - COL2 -
FAYETTEVILLE OUTER LOOP

21-FEB-2011 15:38
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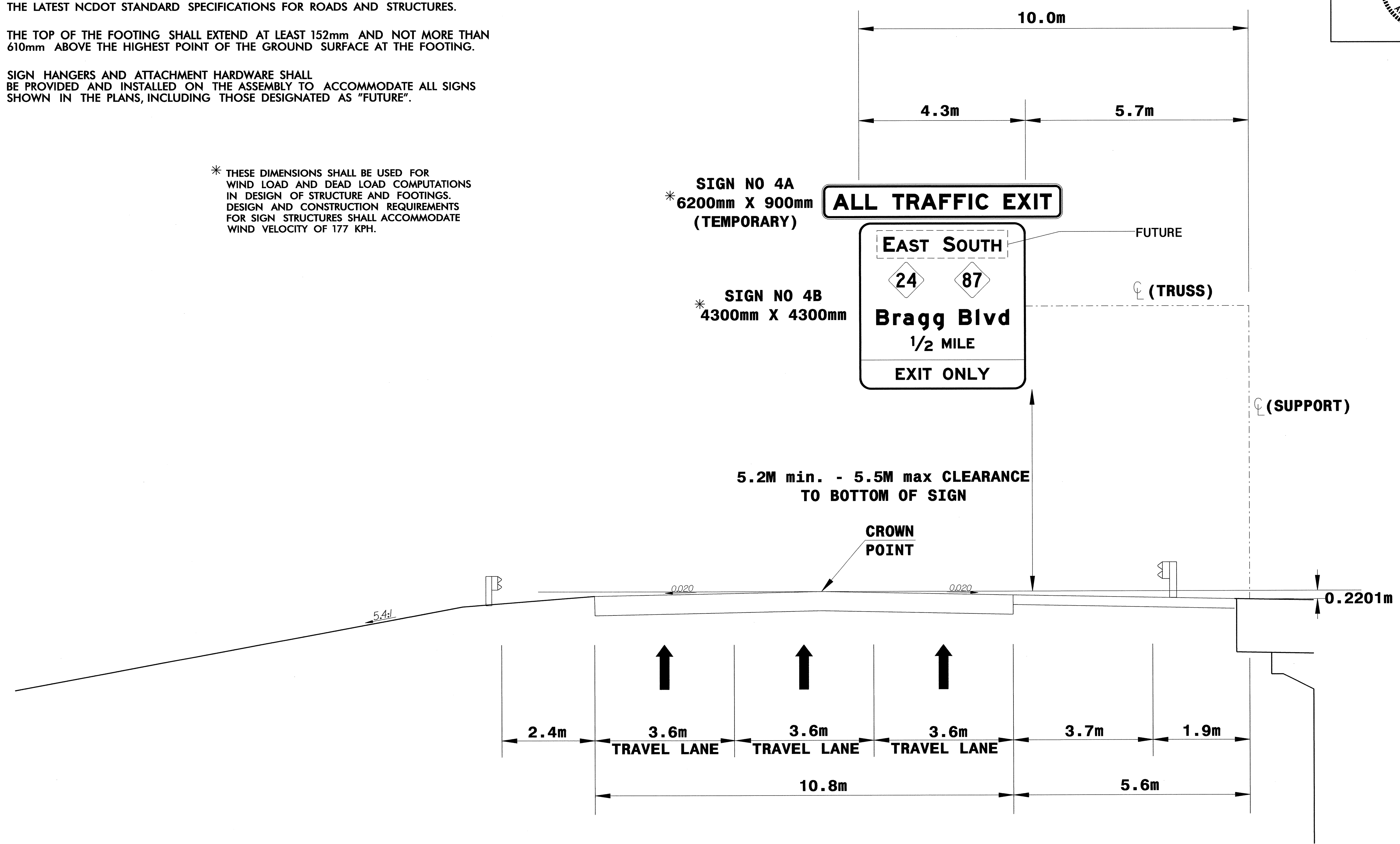
TIP NO. U-2519DA	SHEET NO. SIGN-2G
APPROVED: <i>[Signature]</i>	
DATE: 2/21/14	



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 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 177 KPH.

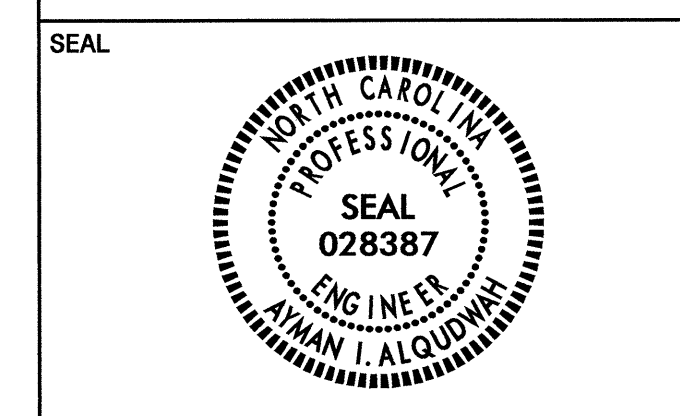


OVERHEAD SIGN ASS'Y "C" @
STA. 35+10 - RP1BD
FAYETTEVILLE OUTER LOOP

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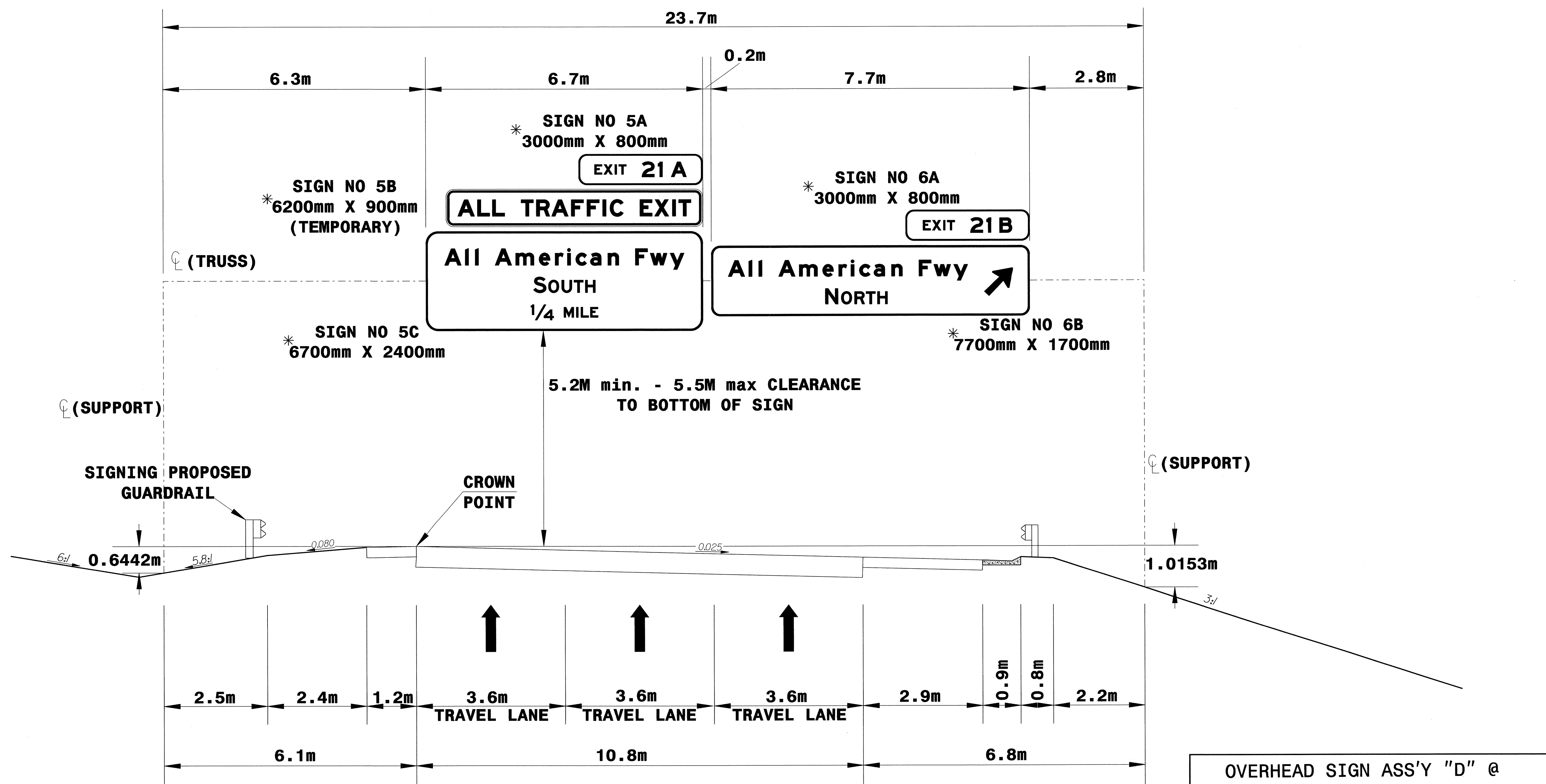
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APPROVED: <i>[Signature]</i>	
DATE: 2/2/11	



NOTES:

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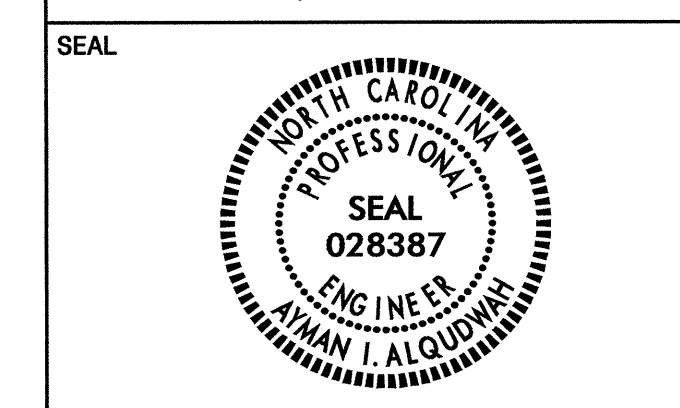
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STA. 33+16 - COL2 -
FAYETTEVILLE OUTER LOOP

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APPROVED: *[Signature]*
DATE: 2/21/11



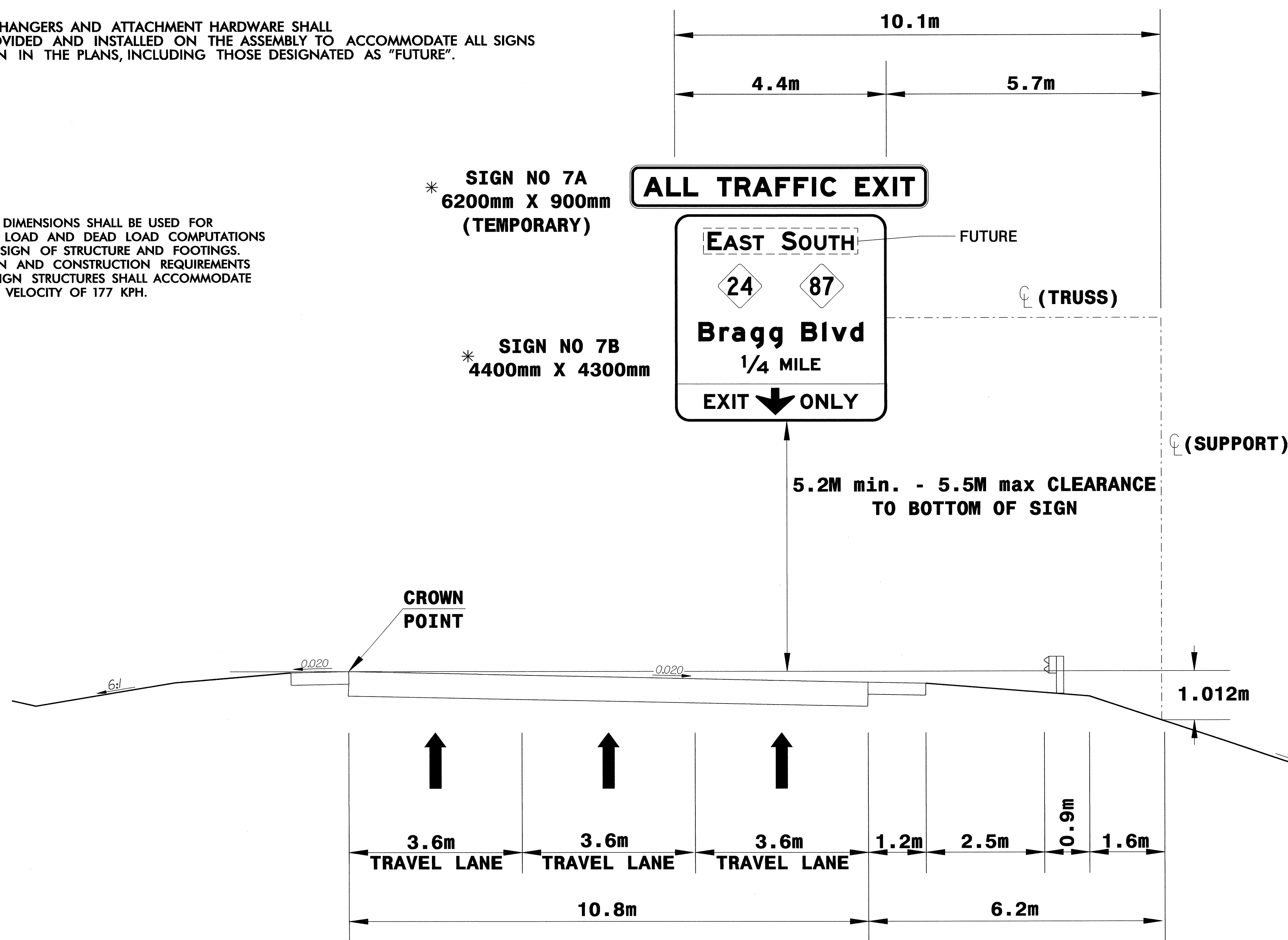
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* SIGN NO 7A
6200mm X 900mm
(TEMPORARY)

* SIGN NO 7B
4400mm X 4300mm



OVERHEAD SIGN ASS'Y "E" @
STA. 37+90 - RP1BD -
FAYETTEVILLE OUTER LOOP

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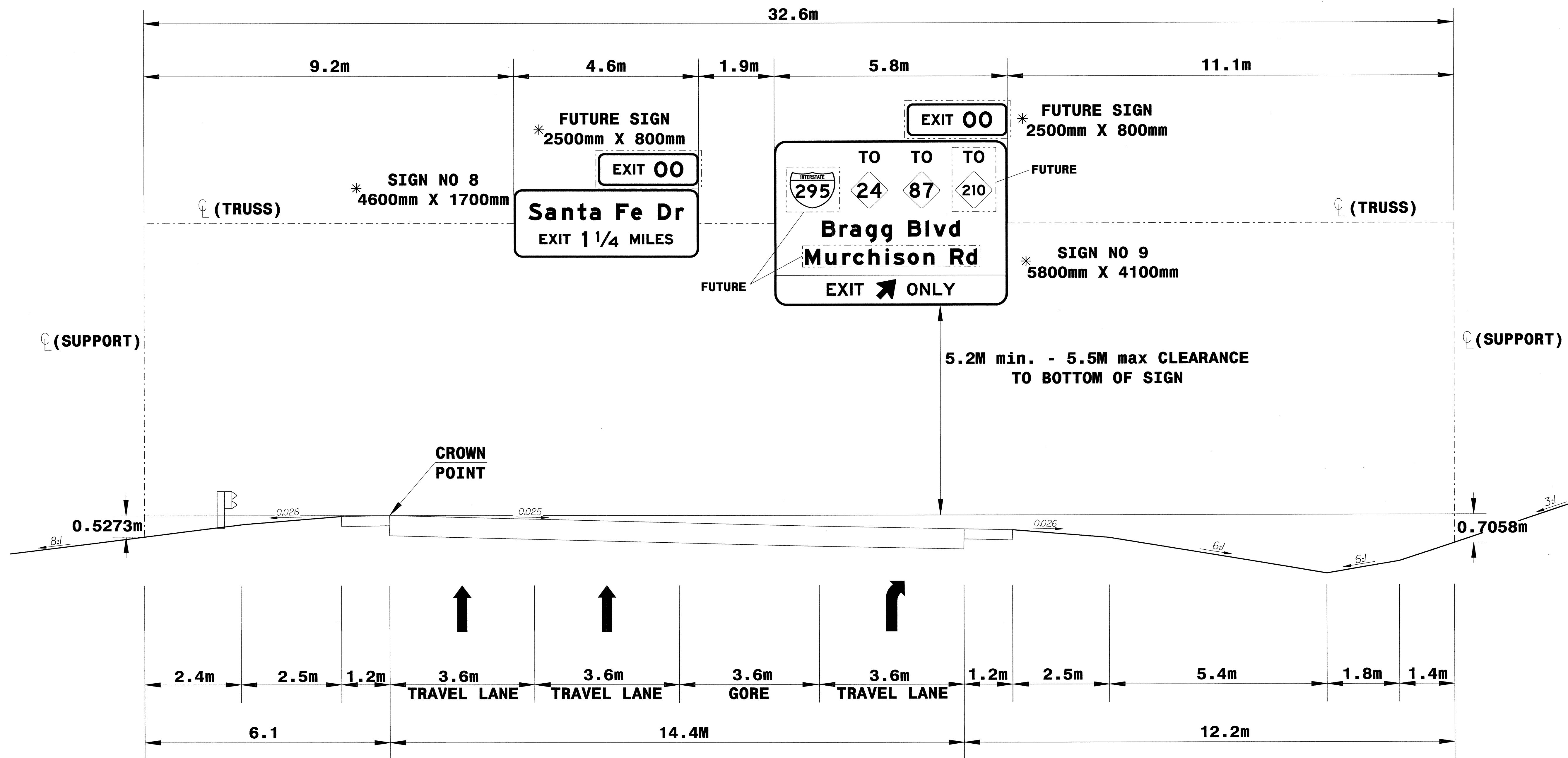
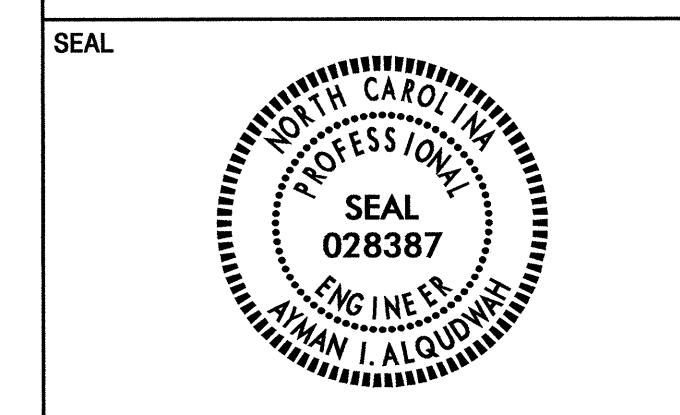
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APPROVED: <i>[Signature]</i>	
DATE: 2/21/11	

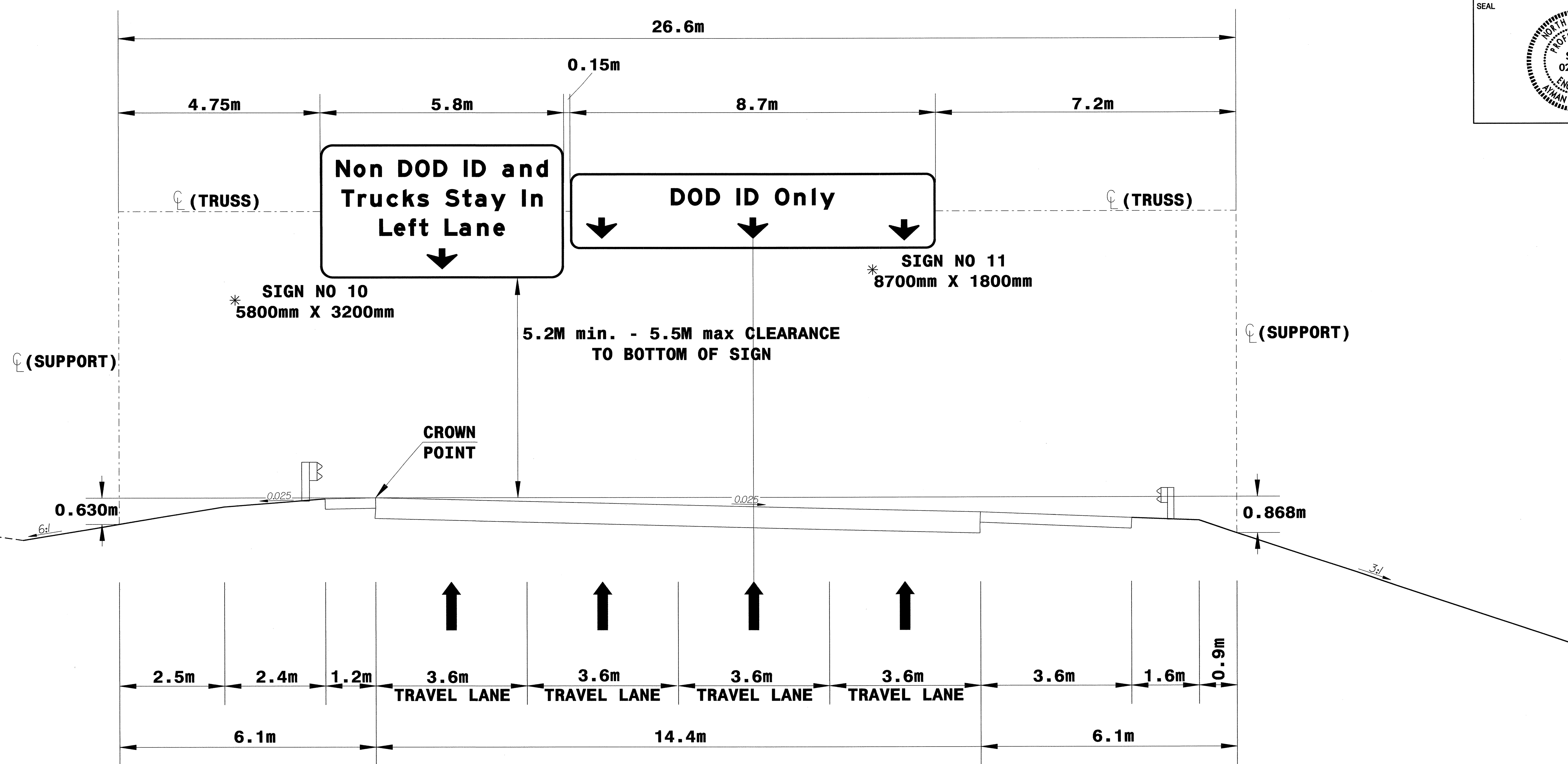
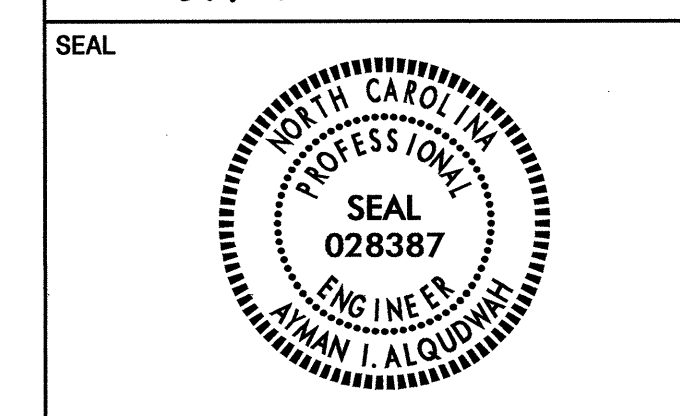


OVERHEAD SIGN ASS'Y "F" @
STA. 11+00 - Y1 -
FAYETTEVILLE OUTER LOOP

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TIP NO. U-2519DA	SHEET NO. SIGN-2K
APPROVED: <i>[Signature]</i>	
DATE: 2/23/11	



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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OVERHEAD SIGN ASS'Y "G" @
STA. 12+20 - Y1 -
FAYETTEVILLE OUTER LOOP

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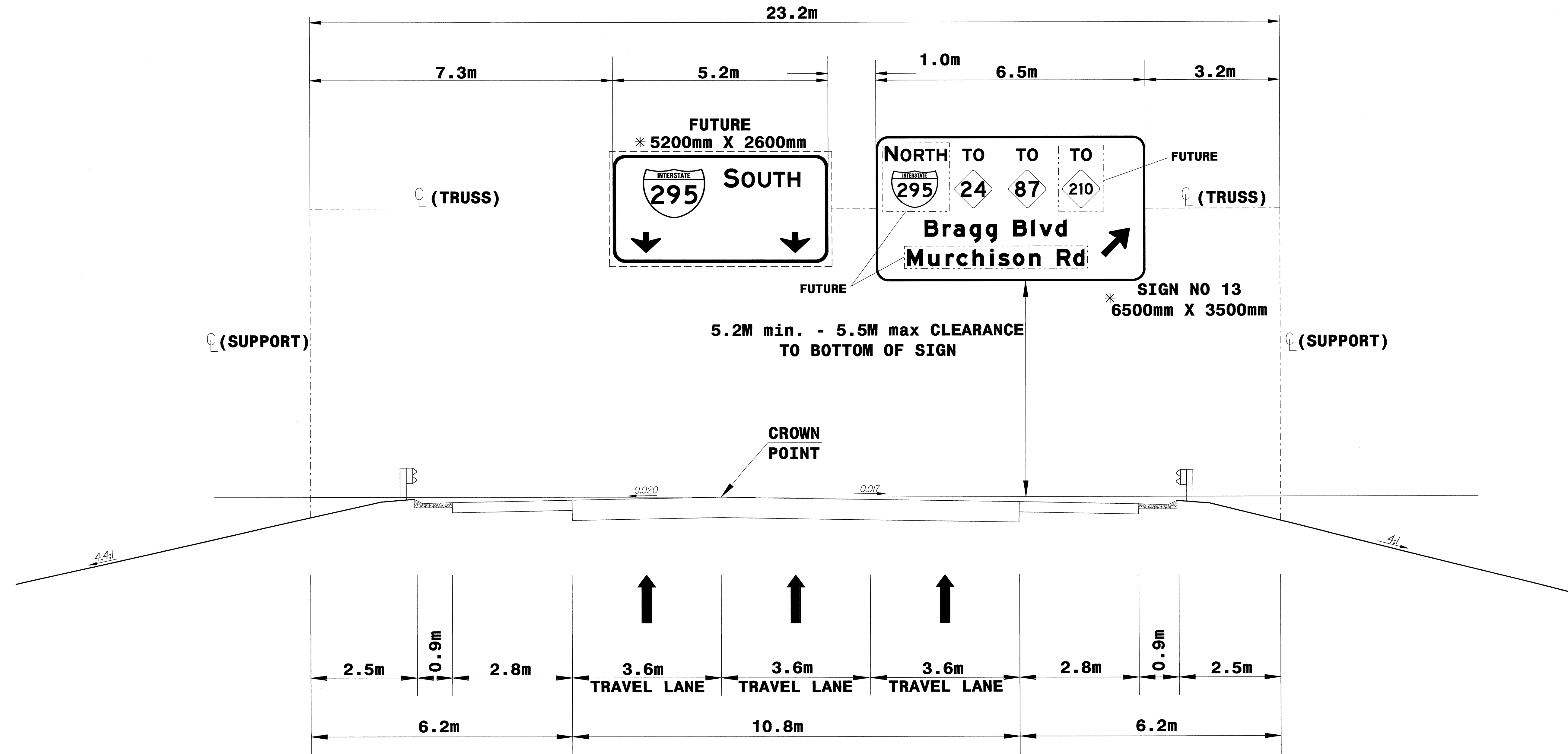
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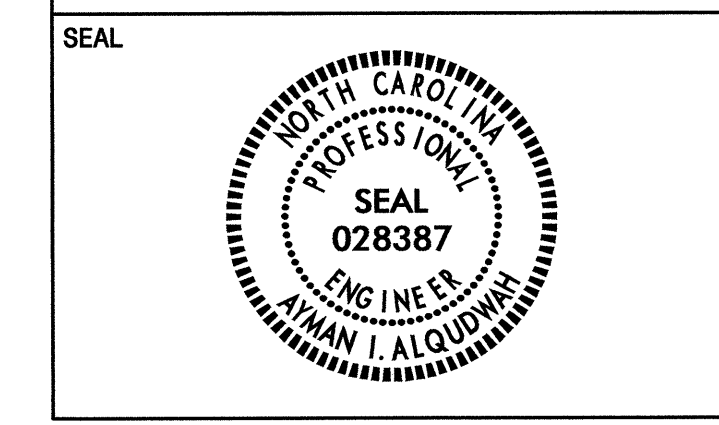


OVERHEAD SIGN ASS'Y "I" @
STA. 10+00 - RP1D -
FAYETTEVILLE OUTER LOOP

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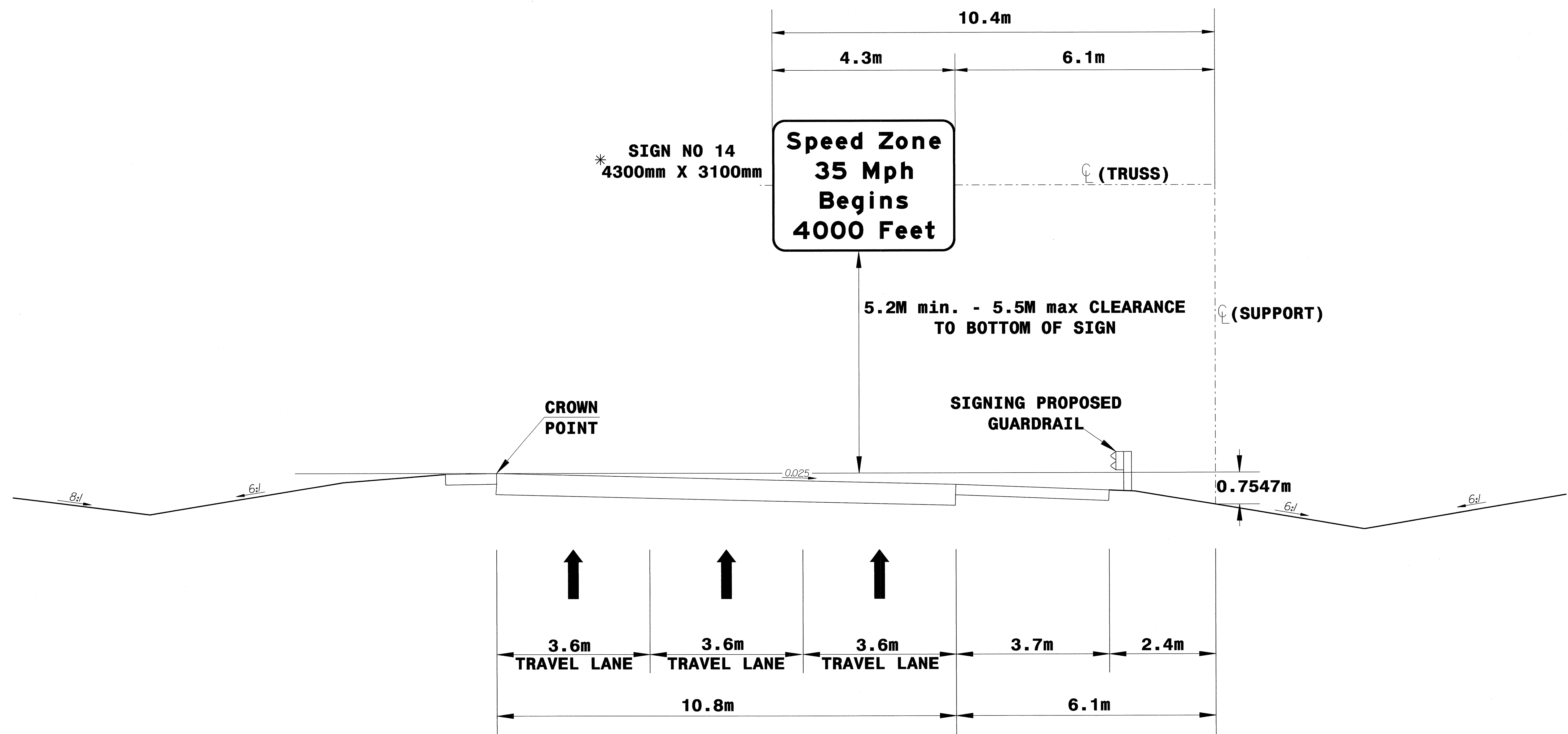
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APPROVED: <i>[Signature]</i>	
DATE: 2/2/14	



NOTES:

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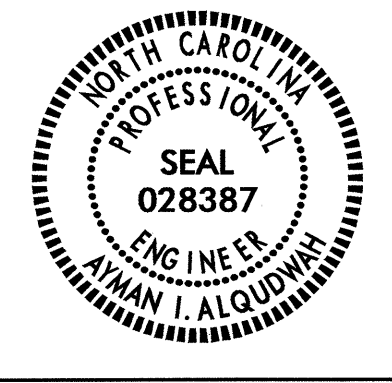
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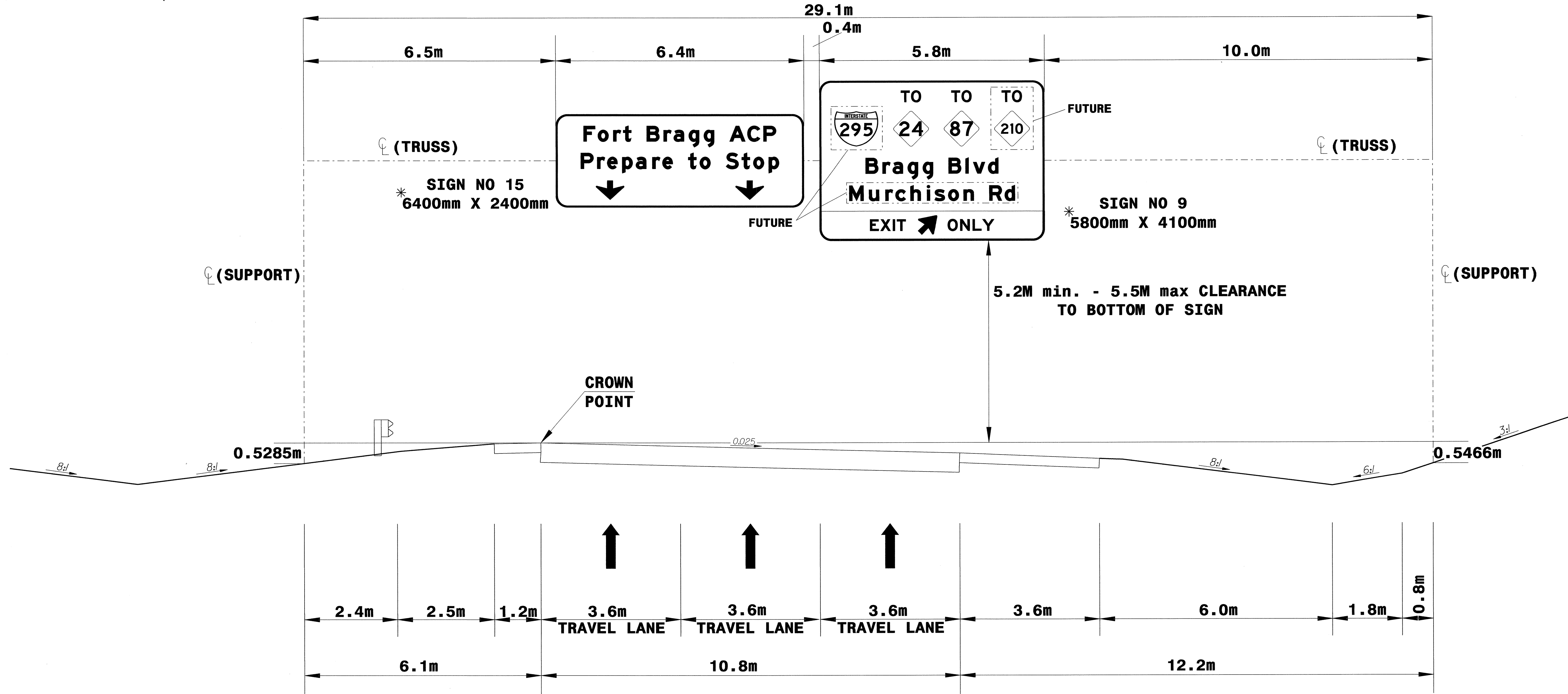
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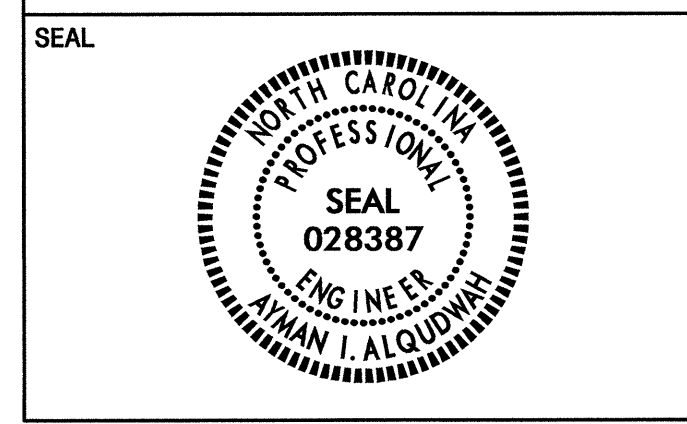
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DATE: 2/21/11	
SEAL	
	



OVERHEAD SIGN ASS'Y "K" @
STA. 28+30 - Y1 -
FAYETTEVILLE OUTER LOOP



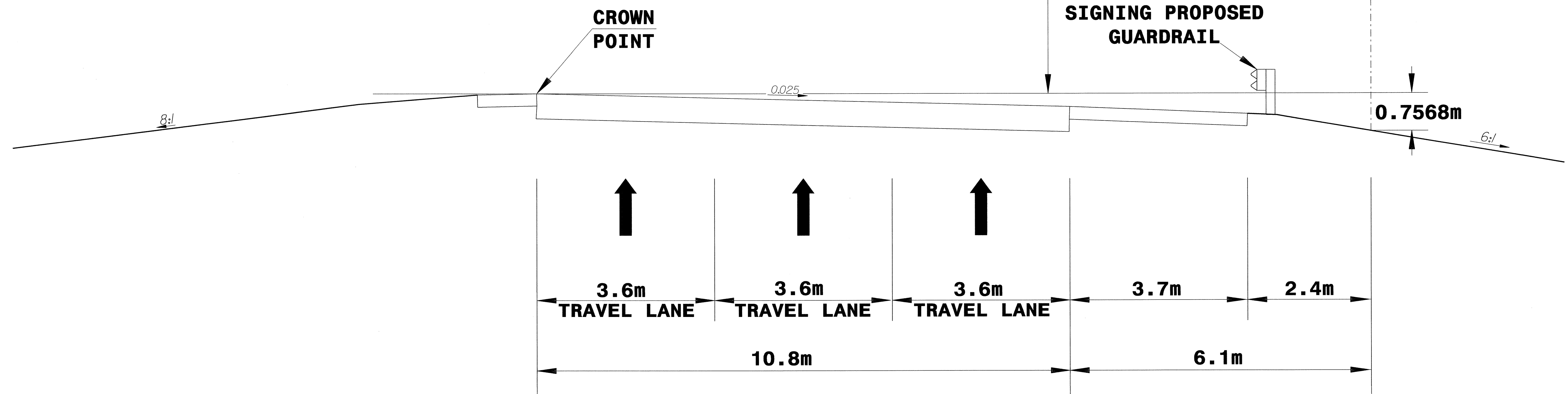
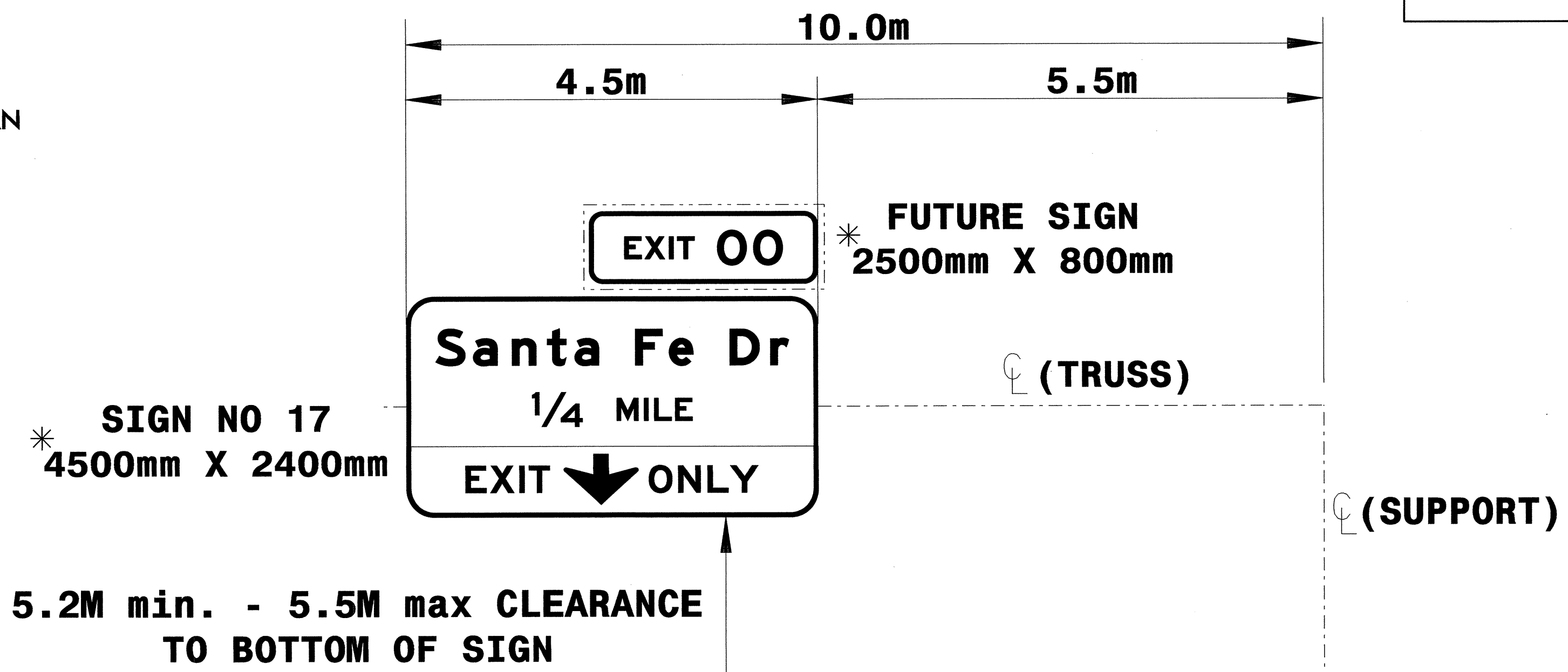
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APPROVED: <i>[Signature]</i>	
DATE: 2/21/11	



NOTES:

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OVERHEAD SIGN ASS'Y "L" @
STA. 27+70 - Y1 -
FAYETTEVILLE OUTER LOOP

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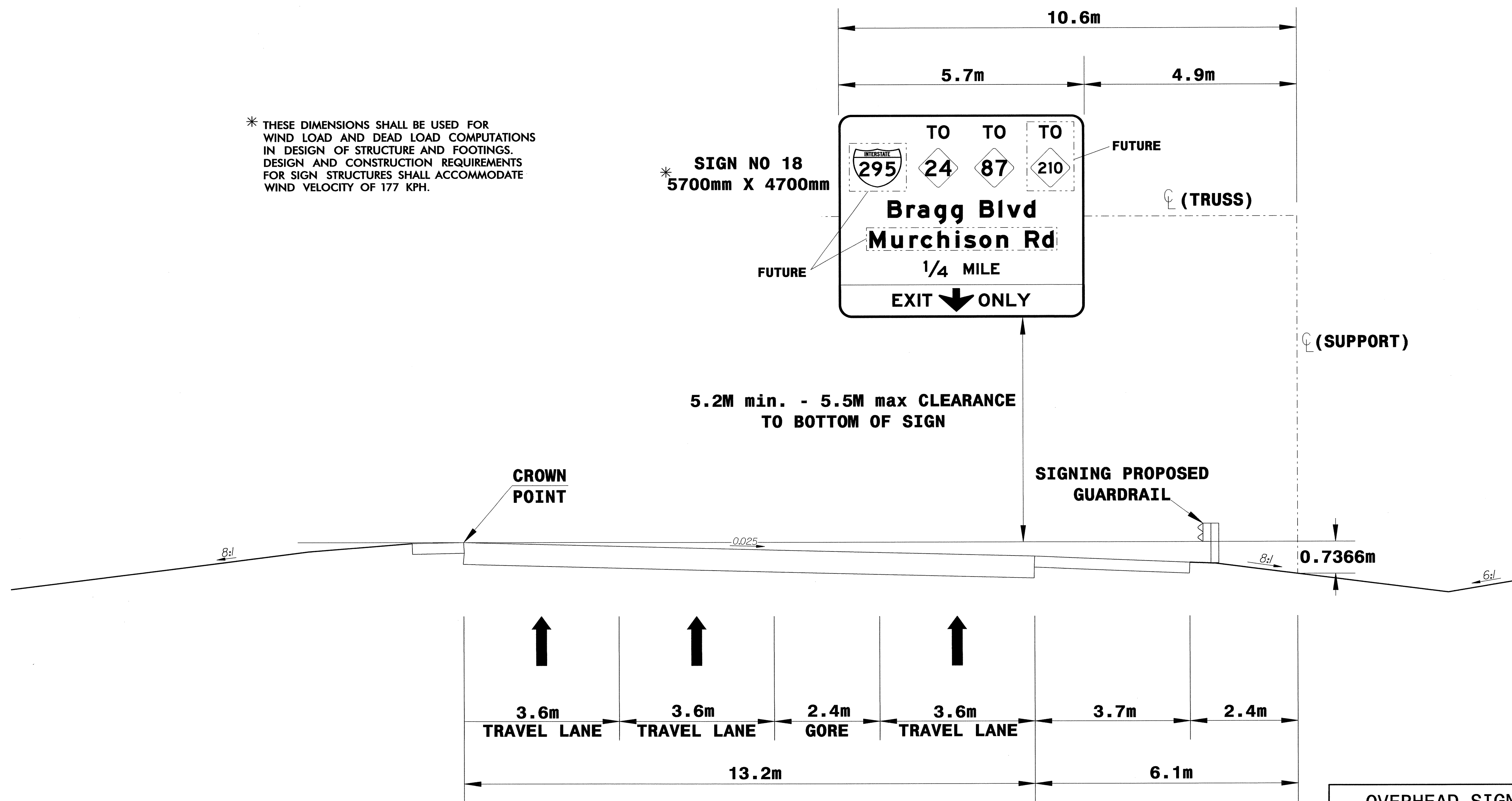


NOTES:

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* SIGN NO 18
5700mm X 4700mm



OVERHEAD SIGN ASS'Y "M" @
STA. 32+00 - Y1 -
FAYETTEVILLE OUTER LOOP

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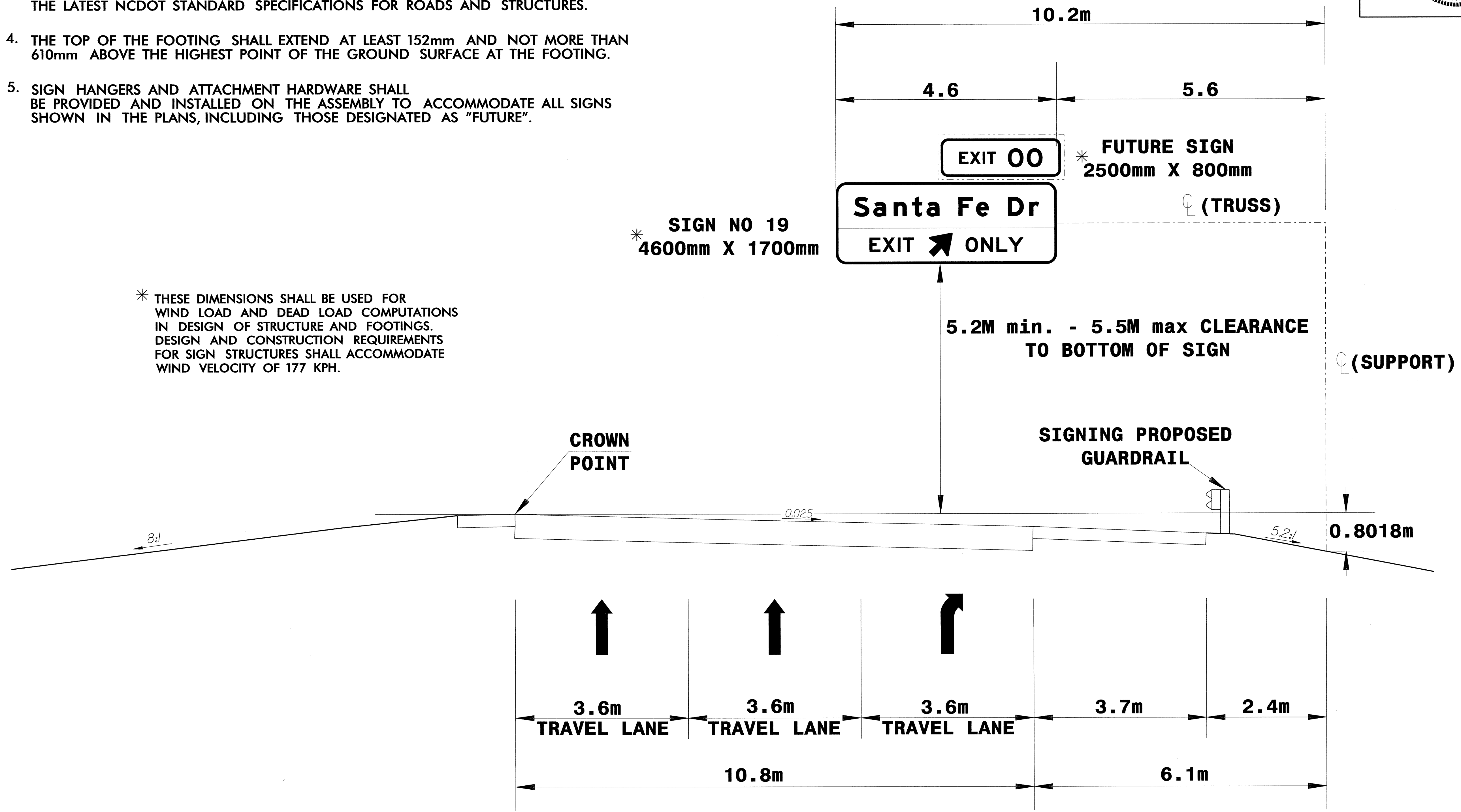
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TIP NO. U-2519DA	SHEET NO. SIGN-2R
APPROVED: <i>[Signature]</i>	
DATE: 2/21/11	
SEAL	



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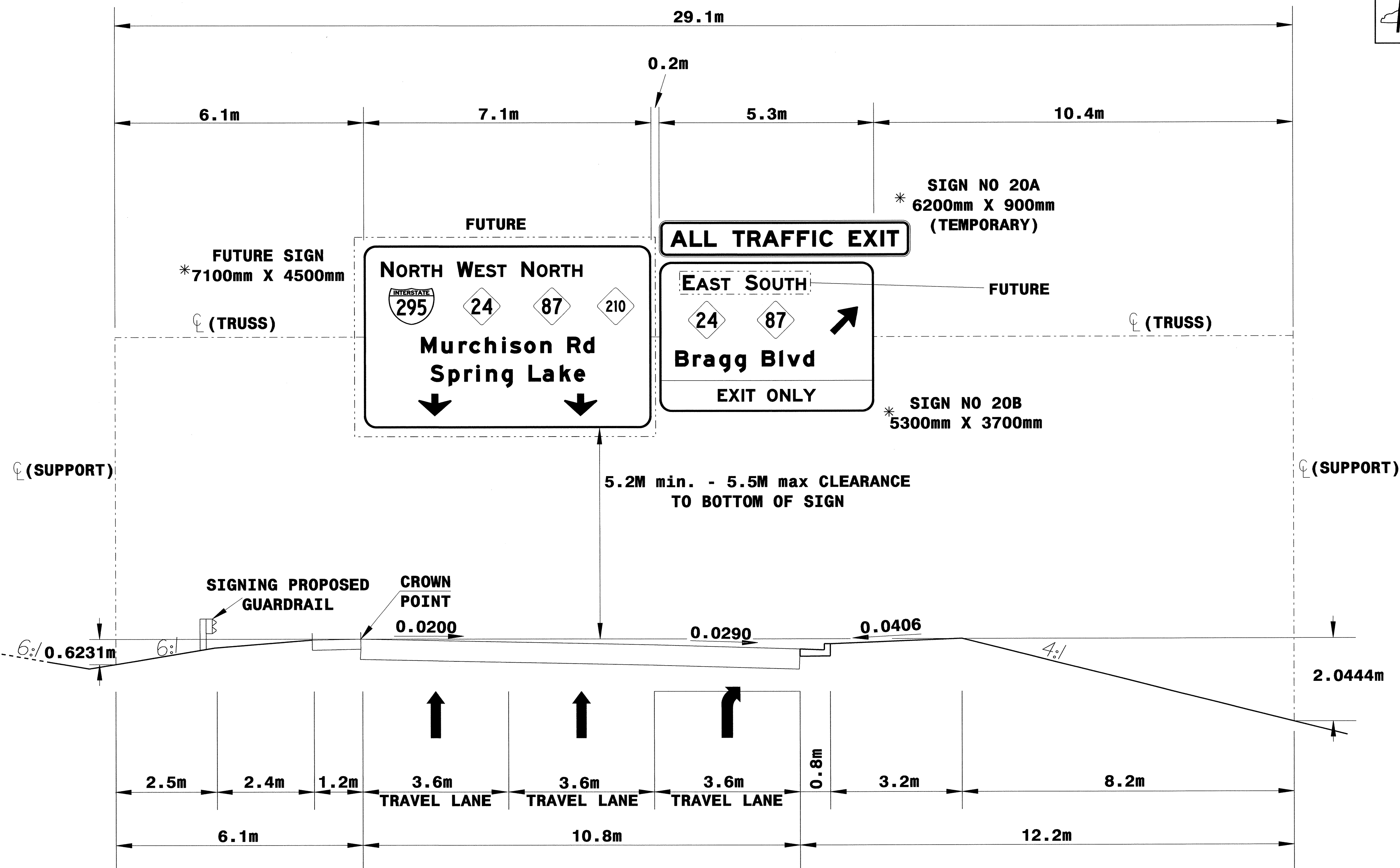


OVERHEAD SIGN ASS'Y "N" @
STA. 31+75 - Y1 -
FAYETTEVILLE OUTER LOOP

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DATE: 2/2/11	
SEAL	



NOTES:

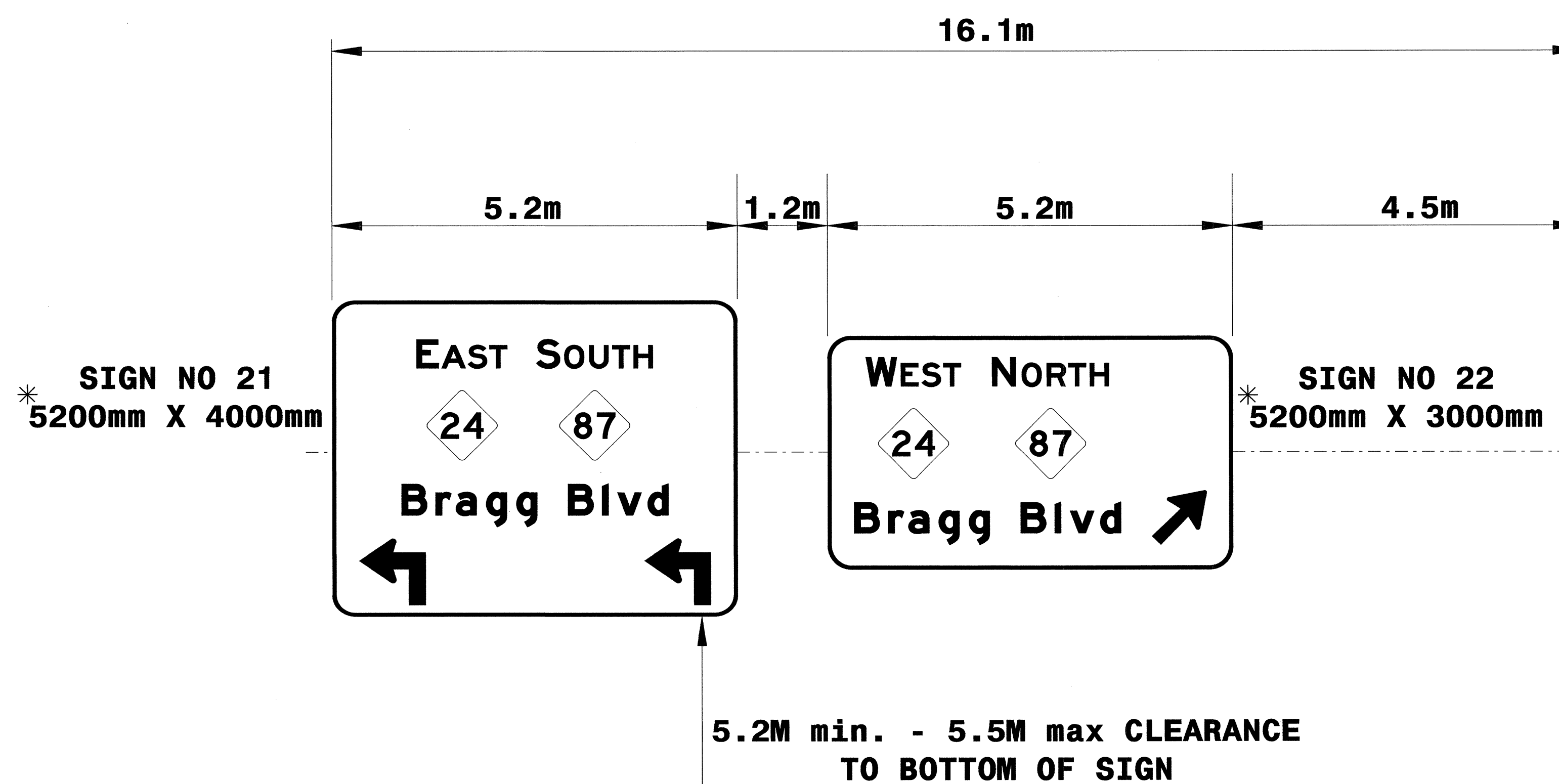
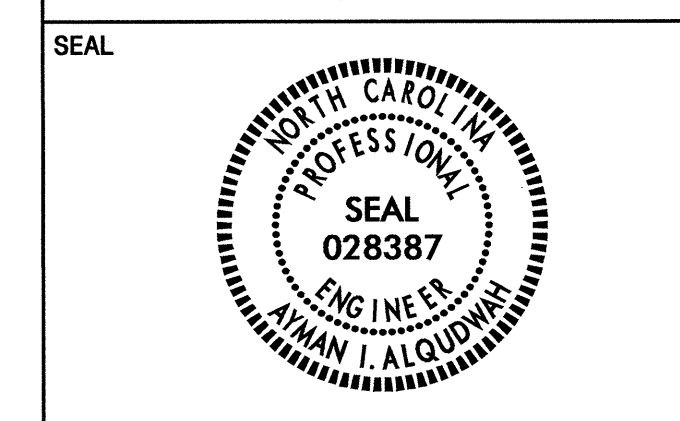
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OVERHEAD SIGN ASS'Y "O" @
STA. 41 + 70 - RPIBD -
FAYETTEVILLE OUTER LOOP



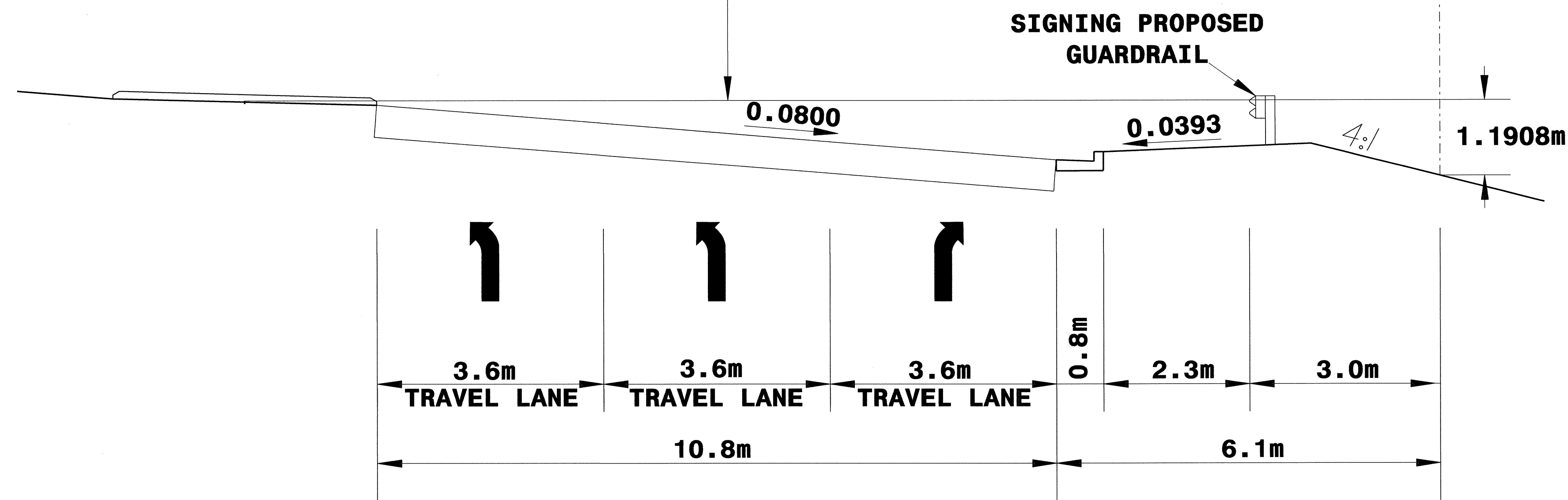
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APPROVED: <i>[Signature]</i>	
DATE: 2/2/14	



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5.2M min. - 5.5M max CLEARANCE TO BOTTOM OF SIGN



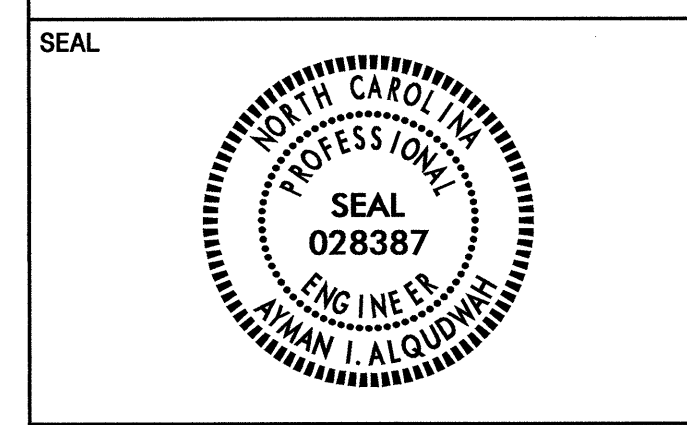
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OVERHEAD SIGN ASS'Y "P" @
STA. 12 + 04 - LP2D -
FAYETTEVILLE OUTER LOOP

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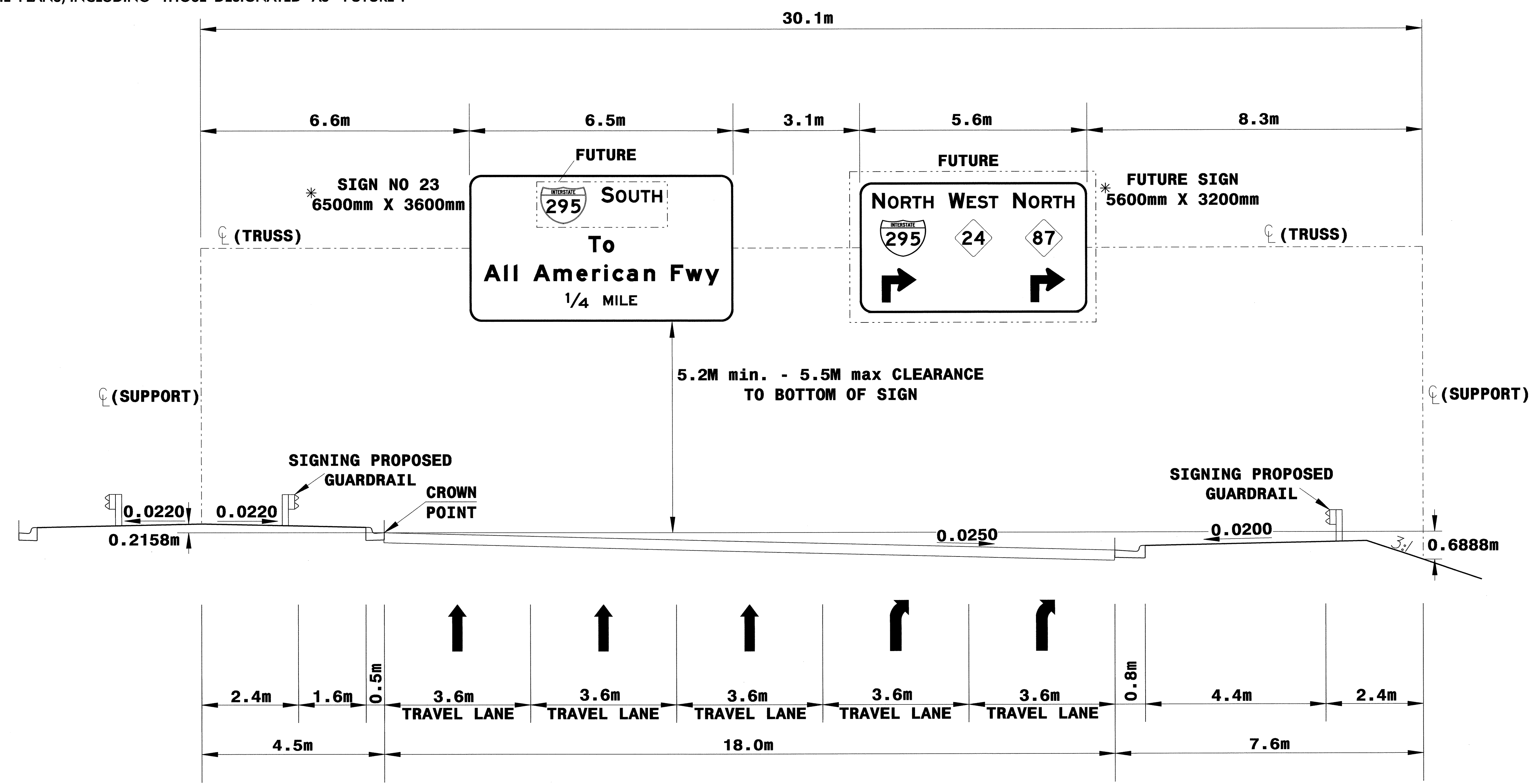
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U-2519DA	SIGN-2U
APPROVED: <i>[Signature]</i>	
DATE: 2/21/11	



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- 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 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 177 KPH.

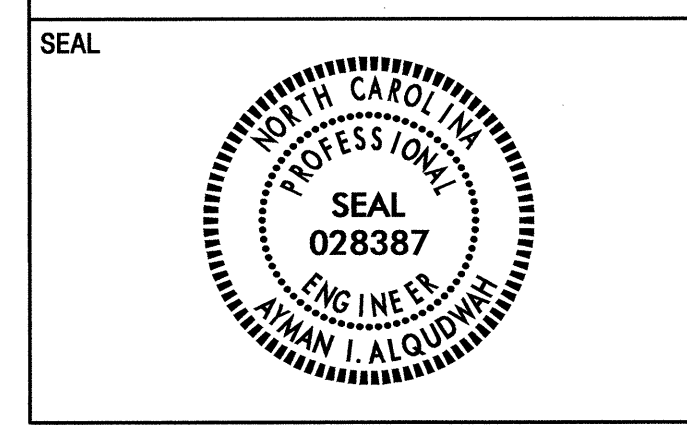


OVERHEAD SIGN ASS'Y "Q" @
STA. 19 + 20 - Y2-
FAYETTEVILLE OUTER LOOP

18-FEB-2011 12:30
 P:\TIP\Projects\11-231\11-231.dwg
 Reason - All Text 1/28



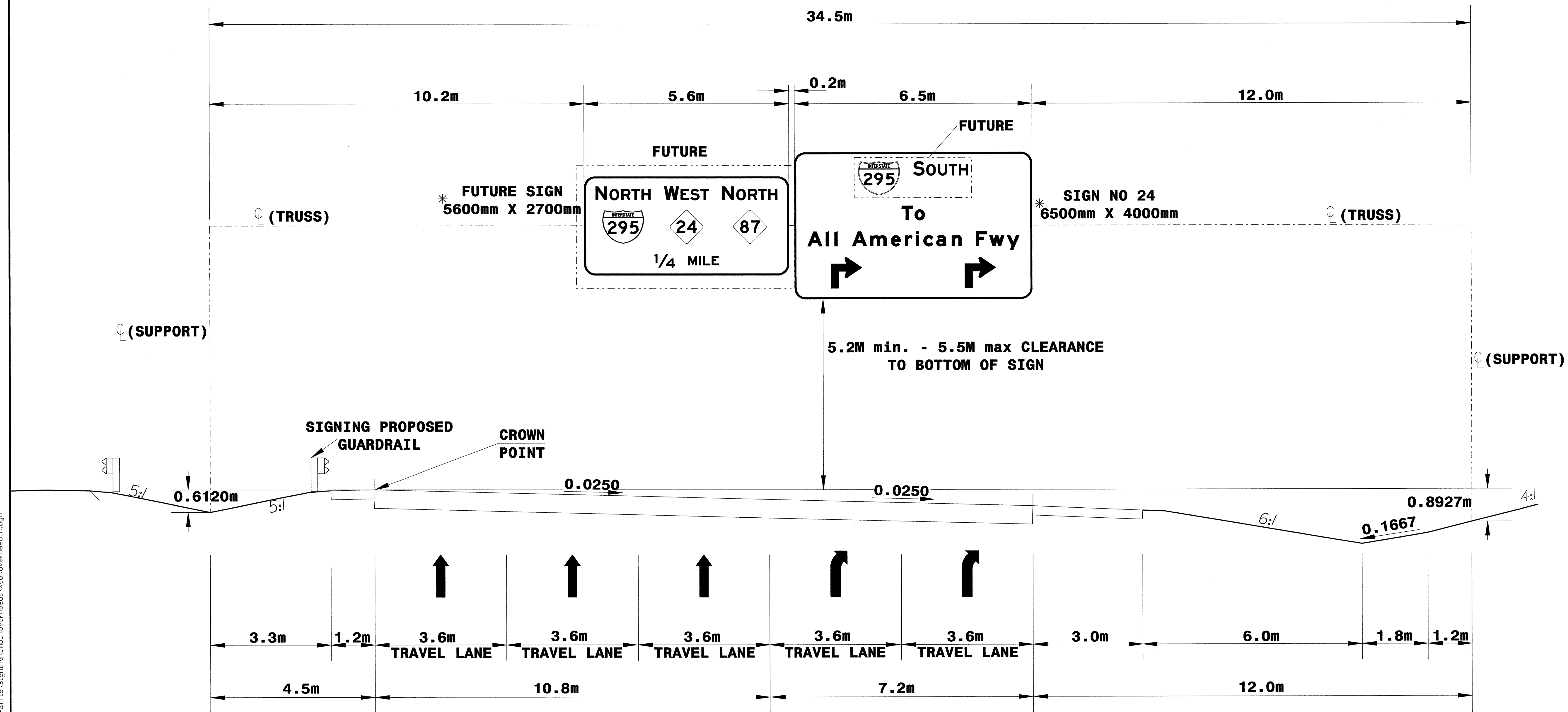
TIP NO. U-2519DA	SHEET NO. SIGN-2V
APPROVED: <i>[Signature]</i>	
DATE: 2/21/14	



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".

* 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 177 KPH.

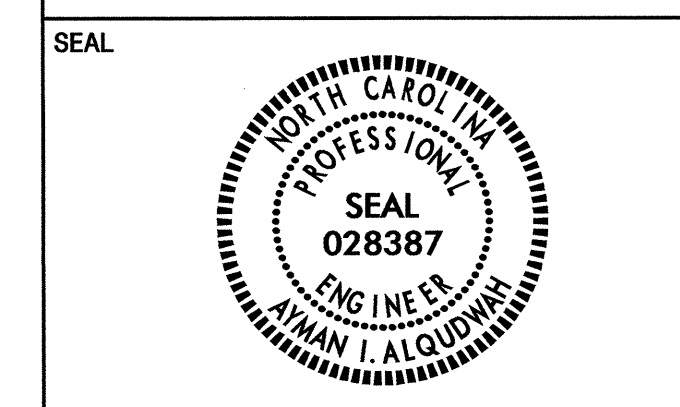


OVERHEAD SIGN ASS'Y "R" @
STA. 13 + 40 - Y2-
FAYETTEVILLE OUTER LOOP

I:\Projects\2011\231\Drawings\Traffic\Signing\CADD\Overheads\Xse\Overhead_R.dgn
 18-FEB-2011 12:31
 P:\TIP\Projects\2011\231\Drawings\Traffic\Signing\CADD\Overheads\Xse\Overhead_R.dgn
 Reason: All Texts



TIP NO. U-2519DA SHEET NO. SIGN-3
 APPROVED: *[Signature]*
 DATE: 2/23/11



SIGN NUMBER: 1A, 5A **BACKG COLOR:** Green **COPY COLOR:** White
TYPE: B **DESIGN BY:** none **CHECKED BY:** DIV: DIV **DATE:** Jul 28, 2008
QUANTITY: 2 **PROJECT ID:** U-2519DA

SIGN WIDTH: 3000mm **HEIGHT:** 800mm **TOTAL AREA:** 2.4 Sq.m
BORDER TYPE: FLUSH **RECESS:** 0mm **WIDTH:** 50mm **RADII:** 150mm
NO. Z BARS: 2 **LENGTH:** 2796.8 **MAT'L:** 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,2
 1. Legend and border shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS
 Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	2229

FILENAME: sign design NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 1C **BACKG COLOR:** Green **COPY COLOR:** White
TYPE: A **DESIGN BY:** none **CHECKED BY:** DIV: 6 **DATE:** Feb 21, 2011
QUANTITY: 1 **PROJECT ID:** U-2519DA

SIGN WIDTH: 7700mm **HEIGHT:** 1700mm **TOTAL AREA:** 13.1 Sq.m
BORDER TYPE: FLUSH **RECESS:** 0mm **WIDTH:** 50mm **RADII:** 215mm
NO. Z BARS: 2 **LENGTH:** 7496.8 **MAT'L:** 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Shields shall be Grade A sheeting.
 5. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS
 Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	5792
E 2000	1494

FILENAME: sign design_gradng NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 1B, 4A, 5B, 7A, 20A **BACKG COLOR:** White **COPY COLOR:** Black
TYPE: A **DESIGN BY:** DME **CHECKED BY:** DIV: 6 **DATE:** Feb 16, 2011
QUANTITY: 5 **PROJECT ID:** U-2519DA

SIGN WIDTH: 6200mm **HEIGHT:** 900mm **TOTAL AREA:** 5.6 Sq.m
BORDER TYPE: FLUSH **RECESS:** 30mm **WIDTH:** 50mm **RADII:** 150mm
NO. Z BARS: 2 **LENGTH:** 5996.8 **MAT'L:** 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,2
 1. Legend and border shall be direct applied Non-Reflective sheeting.
 2. Background shall be Grade A reflective sheeting.

LETTER POSITIONS
 Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	5636

FILENAME: sign design NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2, 10 **BACKG COLOR:** Brown **COPY COLOR:** White
TYPE: A **DESIGN BY:** none **CHECKED BY:** DIV: 6 **DATE:** Feb 23, 2011
QUANTITY: 2 **PROJECT ID:** U-2519DA

SIGN WIDTH: 5800mm **HEIGHT:** 3200mm **TOTAL AREA:** 18.6 Sq.m
BORDER TYPE: FLUSH **RECESS:** 0mm **WIDTH:** 50mm **RADII:** 300mm
NO. Z BARS: 3 **LENGTH:** 5596.8 **MAT'L:** 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Shields shall be Grade A sheeting.
 5. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS
 Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	5036
EM 2000	4780
EM 2000	2980

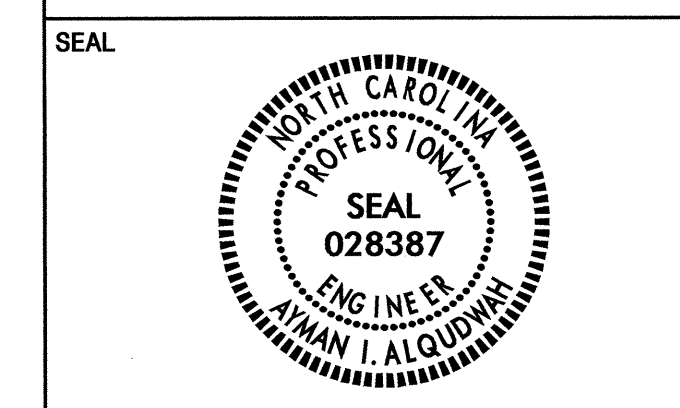
FILENAME: sign design_gradng NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE "A" & "B" SIGNS
(OVERHEAD)

23-FEB-2011 11:29 AM C:\Users\jg\Documents\Traffic\Sign Design\Sign Design\gradng.dgn



TIP NO. U-2519DA SHEET NO. SIGN-3A
 APPROVED: *[Signature]*
 DATE: 2/21/11



SIGN NUMBER: 3 **BACKG COLOR:** Brown **DESIGN BY:** none **CHECKED BY:** **DATE:** Feb 17, 2011
TYPE: A **COPY COLOR:** White **PROJECT ID:** U-2519DA **DIV:** 6

QUANTITY: 1

SYMBOL	X	Y	WID	HT
ARDOWN	386	220	728	500
ARDOWN	386	220	728	500

SIGN WIDTH: 5100mm **SIGN HEIGHT:** 1800mm **TOTAL AREA:** 9.2 Sq.m

BORDER TYPE: FLUSH **RECESS:** 0mm **WIDTH:** 50mm **RADII:** 225mm

NO. Z BARS: 2 **MAT'L:** 0.125" (3.2 mm) ALUMINUM **LENGTH:** 4896.8

USE NOTES: 1,2,3,4

- Legend and border shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade A sheeting.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
D	O	D	I	D	O	n	I	y					Text Length
604	404	432	324	400	192	324	400	456	424	196	340	604	EM 2000
													3892

FILENAME: Sign designs_Sheets NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 5C **BACKG COLOR:** Green **DESIGN BY:** none **CHECKED BY:** **DATE:** Feb 21, 2011
TYPE: A **COPY COLOR:** White **PROJECT ID:** U-2519DA **DIV:** 6

QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 6700mm **SIGN HEIGHT:** 2400mm **TOTAL AREA:** 16.1 Sq.m

BORDER TYPE: FLUSH **RECESS:** 0mm **WIDTH:** 50mm **RADII:** 300mm

NO. Z BARS: 3 **MAT'L:** 0.125" (3.2 mm) ALUMINUM **LENGTH:** 6496.8

USE NOTES: 1,2,3,4

- Legend and border shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade A sheeting.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size					
A	I	I	A	M	e	r	i	c	a	n	F	w	y	Text Length				
454	500	240	80	400	500	564	388	296	204	352	424	264	400	360	480	340	454	EM 2000
													5792					
S O U T H													E 2000					
2603 304 96 321 294 276 243 2603													1494					
1/4 M I L E													E 2000					
2537 549 250 300 110 230 188 2537													1627					

FILENAME: Sign designs_grading NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 4B **BACKG COLOR:** Green **DESIGN BY:** none **CHECKED BY:** **DATE:** Feb 21, 2011
TYPE: A **COPY COLOR:** White **PROJECT ID:** U-2519DA **DIV:** 6

QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1-5-2-24-10C	766	2371	900	900
M1-5-2-24-10C	2467	2371	900	900

SIGN WIDTH: 4300mm **SIGN HEIGHT:** 4300mm **TOTAL AREA:** 18.5 Sq.m

BORDER TYPE: FLUSH **RECESS:** 0mm **WIDTH:** 50mm **RADII:** 300mm

NO. Z BARS: 5 **MAT'L:** 0.125" (3.2 mm) ALUMINUM **LENGTH:** 4096.8

USE NOTES: 1,2,3,4

- Legend and border shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade A sheeting.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 4100mm x 670mm

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
E	A	S	T	FUTURE								Text Length	
636	281	38	339	276	225	2505							E 2000
													1160
S O U T H													E 2000
2170 304 56 321 294 276 243 636													1494
B r a g g B l v d													EM 2000
440 436 260 388 388 264 400 436 196 388 264 440													3420
1/2 M I L E													E 2000
1337 549 250 300 110 230 188 1337													1627
E X I T O N L Y													E 2000
943 267 321 105 237 288 321 321 249 306 942													2415

FILENAME: Sign designs_grading NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE "A" & "B" SIGNS (OVERHEAD)

21-FEB-2011 16:04 \\nas\pca\Traffic\Signing\CADD\Sign Designs\Sign designs_grading.dgn



TIP NO. U-2519DA	SHEET NO. SIGN-3C
APPROVED: <i>[Signature]</i>	
DATE: 2/21/11	
SEAL	

SIGN NUMBER: 12
TYPE: A
QUANTITY: 1
SIGN WIDTH: 5800mm
HEIGHT: 4200mm
TOTAL AREA: 24.4 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 50mm
RADII: 300mm
NO. Z BARS: 4
LENGTH: 5596.8

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	467	2420	1125	900
NC242	1992	2420	900	900
NC242	3292	2420	900	900
NC243A	4592	2420	900	900
ARNDOWN	843	221	728	500
ARNDOWN	4443	221	728	500

DESIGN BY: none
PROJECT ID: U-2519DA
CHECKED BY: DIV
DATE: Aug 12, 2008

USE NOTES: 1,2,3,4
1. Legend and border shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
4. Shields shall be Grade A sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size				
										Text Length				
N	O	R	T	H	FUTURE					E 2000				
309	304	79	321	276	276	243	3993			1499				
T	O	FUTURE								E 2000				
2182	267	252	3099								519			
T	O	FUTURE								E 2000				
3482	267	252	1799								519			
T	O	FUTURE								E 2000				
4782	267	252	499								519			
B	r	a	g	g	B	l	v	d	E M 2000					
1269	436	260	388	388	264	400	436	196	388	264	1111	3420		
M	u	r	c	h	i	s	o	n	R	d	E M 2000			
843	508	424	260	388	424	196	352	396	264	400	396	264	685	4272

FILENAME: Sign designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 9, 16
TYPE: A
QUANTITY: 2
SIGN WIDTH: 5800mm
HEIGHT: 4100mm
TOTAL AREA: 23.8 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 50mm
RADII: 300mm
NO. Z BARS: 4
LENGTH: 5596.8

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	388	2418	1125	900
NC242	1913	2418	900	900
NC242	3213	2418	900	900
NC243A	4513	2418	900	900
ARSHRT	2533	153	550	618

DESIGN BY: none
PROJECT ID: U-2519DA
CHECKED BY: DIV: 6
DATE: Jul 29, 2008

USE NOTES: 1,2,3,4,5
1. Legend and border shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
4. Shields shall be Grade A sheeting.
5. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size				
										Text Length				
T	O	FUTURE								E 2000				
2103	267	252	3178								519			
T	O	FUTURE								E 2000				
3403	267	252	1878								519			
T	O	FUTURE								E 2000				
4703	267	252	578								519			
B	r	a	g	g	B	l	v	d	E M 2000					
1190	436	260	388	388	264	400	436	196	388	264	1190	3420		
M	u	r	c	h	i	s	o	n	R	d	E M 2000			
764	508	424	260	388	424	196	352	396	264	400	396	264	764	4272
E	X	I	T	FUTURE								E 2000		
1301	267	321	105	225	3581							918		
O	N	L	Y	FUTURE								E 2000		
3303	321	321	249	306	1300							1197		

FILENAME: Sign designs SHEETS NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 11
TYPE: A
QUANTITY: 1
SIGN WIDTH: 8700mm
HEIGHT: 1800mm
TOTAL AREA: 15.7 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 50mm
RADII: 225mm
NO. Z BARS: 2
LENGTH: 8496.8

BACKG COLOR: Brown
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARNDOWN	386	245	728	500
ARNDOWN	3986	245	728	500
ARNDOWN	7586	195	728	500

DESIGN BY: none
PROJECT ID: U-2519DA
CHECKED BY: DIV: 6
DATE: Feb 17, 2011

USE NOTES: 1,2,3,4
1. Legend and border shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
4. Shields shall be Grade A sheeting.
5. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size			
										Text Length			
D	O	D	I	D	O	N	I	Y	E M 2000				
2404	404	432	324	400	192	324	400	456	424	196	340	2404	3892

FILENAME: Sign designs SHEETS NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE "A" & "B" SIGNS
(OVERHEAD)

18-FEB-2011 13:33 I:\Users\NLS\My Documents\Traffic\Signs\Sign Designs\Sign designs-grading.dgn



TIP NO. U-2519DA SHEET NO. SIGN-3D
 APPROVED: *[Signature]*
 DATE: 2/2/11
 SEAL

SIGN NUMBER: 13 BACKG COLOR: Green DESIGN BY: none CHECKED BY: DATE: Aug 12, 2008
 TYPE: A COPY COLOR: White PROJECT ID: U-2519DA DIV: DIV

SYMBOL	X	Y	WID	HT
M1_1	469	1719	1125	900
NC242	1994	1719	900	900
NC242	3294	1719	900	900
NC243A	4594	1719	900	900
ARMED	5518	519	571	900

QUANTITY: 1
 SIGN WIDTH: 6500mm
 HEIGHT: 3500mm
 TOTAL AREA: 22.8 Sq.m
 BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 50mm
 RADII: 300mm
 NO. Z BARS: 3
 LENGTH: 6296.8
 MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Shields shall be Grade A sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	N	O	R	T	H	Series/Size	Text Length									
N	283	304	79	321	276	276	243	4719	E 2000	1499						
T	2185	267	252	3796					E 2000	519						
O	3485	267	252	2496					E 2000	519						
FUTURE	4785	267	252	1196					E 2000	519						
B	1272	436	260	388	388	264	400	436	196	388	264	1808	EM 2000	3420		
M	846	508	424	260	388	424	196	352	396	264	400	396	264	1382	EM 2000	4272

FILENAME: Sign designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 14 BACKG COLOR: Brown DESIGN BY: none CHECKED BY: DATE: Feb 17, 2011
 TYPE: A COPY COLOR: White PROJECT ID: U-2519DA DIV: 6

SYMBOL	X	Y	WID	HT

QUANTITY: 1
 SIGN WIDTH: 4300mm
 HEIGHT: 3100mm
 TOTAL AREA: 13.3 Sq.m
 BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 50mm
 RADII: 300mm
 NO. Z BARS: 3
 LENGTH: 4096.8
 MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Shields shall be Grade A sheeting.
 5. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	S	p	e	e	d	Z	o	n	e	Series/Size	Text Length		
S	344	448	352	352	264	400	396	396	388	264	344	EM 2000	3612
3	1004	408	324	400	508	388	264	1004				EM 2000	2292
B	1120	400	352	424	240	380	264	1120				EM 2000	2080
4	494	468	416	416	336	400	368	352	348	208	494	EM 2000	3312

FILENAME: Sign designs Sheets NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 15 BACKG COLOR: Brown DESIGN BY: none CHECKED BY: DATE: Feb 17, 2011
 TYPE: A COPY COLOR: White PROJECT ID: U-2519DA DIV: 6

SYMBOL	X	Y	WID	HT
ARDOWN	1036	200	728	500
ARDOWN	4636	200	728	500

QUANTITY: 1
 SIGN WIDTH: 6400mm
 HEIGHT: 2400mm
 TOTAL AREA: 15.4 Sq.m
 BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 50mm
 RADII: 300mm
 NO. Z BARS: 3
 LENGTH: 6196.8
 MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Shields shall be Grade A sheeting.
 5. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	F	o	r	t	B	r	a	g	g	A	C	P	Series/Size	Text Length					
F	720	368	396	256	208	400	436	260	388	388	264	400	460	412	324	720	EM 2000	4960	
P	646	420	260	388	352	424	260	264	400	300	272	400	408	300	396	264	646	EM 2000	5108

FILENAME: Sign designs Sheets NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE "A" & "B" SIGNS
(OVERHEAD)

18-FEB-2011 13:33
 P:\TIPPro\051451\112519\03\Sign Design\Sign designs-grading.dgn
 User: jay



TIP NO. U-2519DA SHEET NO. SIGN-3E
 APPROVED: *[Signature]*
 DATE: 2/21/11
 SEAL

SIGN NUMBER: 17 TYPE: A QUANTITY: 1
 SIGN WIDTH: 4500mm HEIGHT: 2400mm TOTAL AREA: 10.8 Sq.m
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 50mm RADIUS: 300mm
 NO. Z BARS: 3 LENGTH: 4296.8
 BACKG COLOR: Green COPY COLOR: White
 SYMBOL X Y WID HT
 ARDOWN 1719 131 813 558
 DESIGN BY: none CHECKED BY: DIV DATE: Jul 29, 2008
 PROJECT ID: U-2519DA

BORDER R=300mm TH=50mm

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	3860
E 2000	1752
E 2000	918
E 2000	1197

FILENAME: Sign designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 19 TYPE: A QUANTITY: 1
 SIGN WIDTH: 4600mm HEIGHT: 1700mm TOTAL AREA: 7.8 Sq.m
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 50mm RADIUS: 215mm
 NO. Z BARS: 2 LENGTH: 4396.8
 BACKG COLOR: Green COPY COLOR: White
 SYMBOL X Y WID HT
 ARSHRT 1933 153 550 618
 DESIGN BY: none CHECKED BY: DIV DATE: Jul 29, 2008
 PROJECT ID: U-2519DA

BORDER R=215mm TH=50mm

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	3860
E 2000	918
E 2000	1197

FILENAME: Sign designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 18 TYPE: A QUANTITY: 1
 SIGN WIDTH: 5700mm HEIGHT: 4700mm TOTAL AREA: 26.8 Sq.m
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 50mm RADIUS: 300mm
 NO. Z BARS: 6 LENGTH: 5496.8
 BACKG COLOR: Green COPY COLOR: White
 SYMBOL X Y WID HT
 M1_1 338 3016 1125 900
 NC242 1863 3016 900 900
 NC242 3163 3016 900 900
 NC243A 4463 3016 900 900
 ARDOWN 2319 131 813 558
 DESIGN BY: none CHECKED BY: DIV DATE: Jul 29, 2008
 PROJECT ID: ID

BORDER R=300mm TH=50mm

LETTER POSITIONS

Letter spacings are to start of next letter

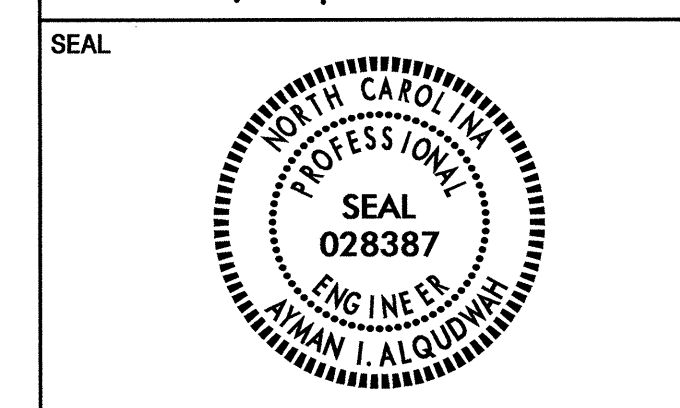
Series/Size	Text Length
E 2000	519
E 2000	519
E 2000	519
EM 2000	3420
EM 2000	4272
E 2000	1752
E 2000	918
E 2000	1197

FILENAME: Sign designs NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE "A" & "B" SIGNS (OVERHEAD)



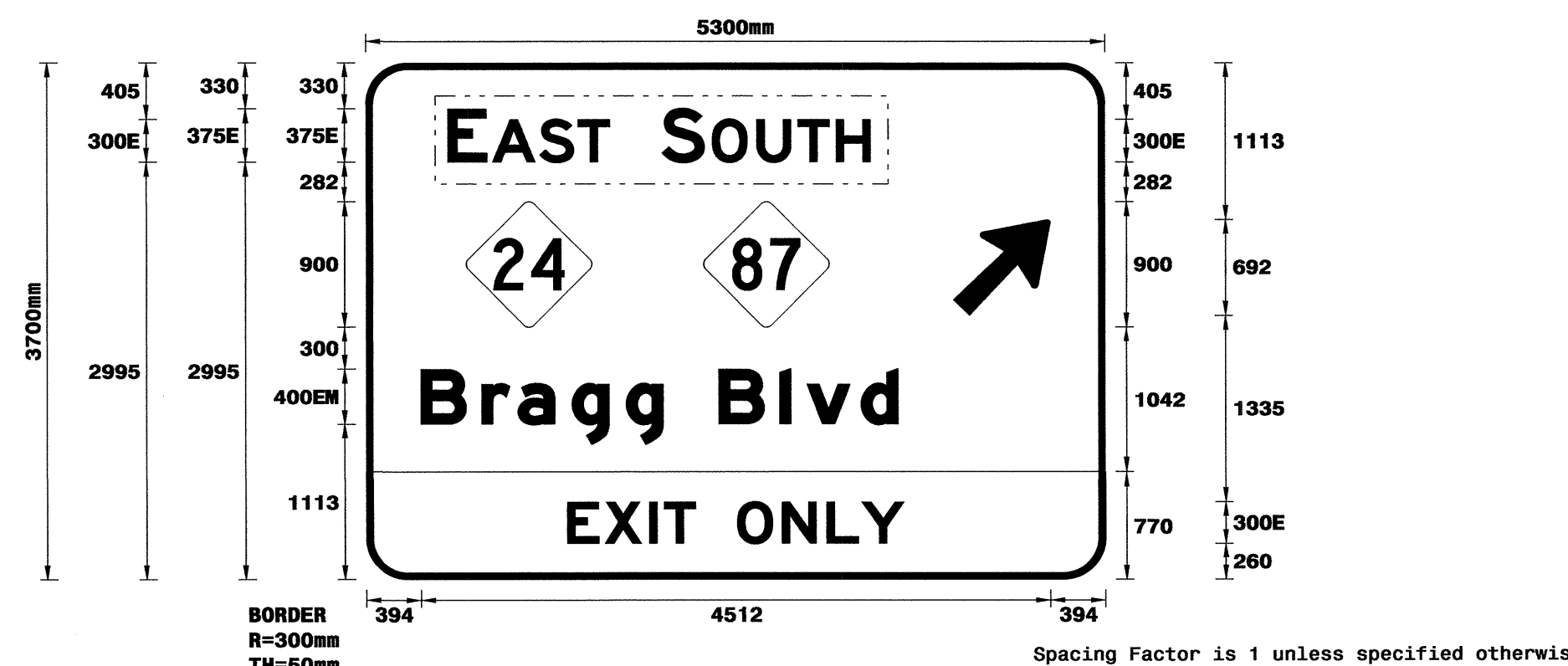
TIP NO. SHEET NO.
 U-2519DA SIGN-3F
 APPROVED: *[Signature]*
 DATE: 2/21/11



SIGN NUMBER: 20B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 5300mm
 HEIGHT: 3700mm
 TOTAL AREA: 19.6 Sq.m
 BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 50mm
 RADIUS: 300mm
 NO. Z BARS: 4
 LENGTH: 5096.8

SYMBOL	X	Y	WID	HT
ARMED	4214	1895	565	890
M1-5-2-24-10C	719	1813	900	900
M1-5-2-24-10C	2421	1813	900	900

DESIGN BY: none
 PROJECT ID: ID
 CHECKED BY: DIV
 DATE: Feb 21, 2011



USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Shields shall be Grade A sheeting.
 5. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 5100mm x 670mm

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
E	A	S	T										E 2000
590	281	38	339	276	225	3551							1160
S	O	U	T	H									E 2000
2124	304	56	321	294	276	243	1682						1494
B	R	A	G	G	B	L	V	D					EM 2000
394	436	260	388	388	264	400	436	196	388	264	1486		3420
E	X	I	T	O	N	L	Y						E 2000
1443	267	321	105	237	288	321	321	249	306	1442			2415

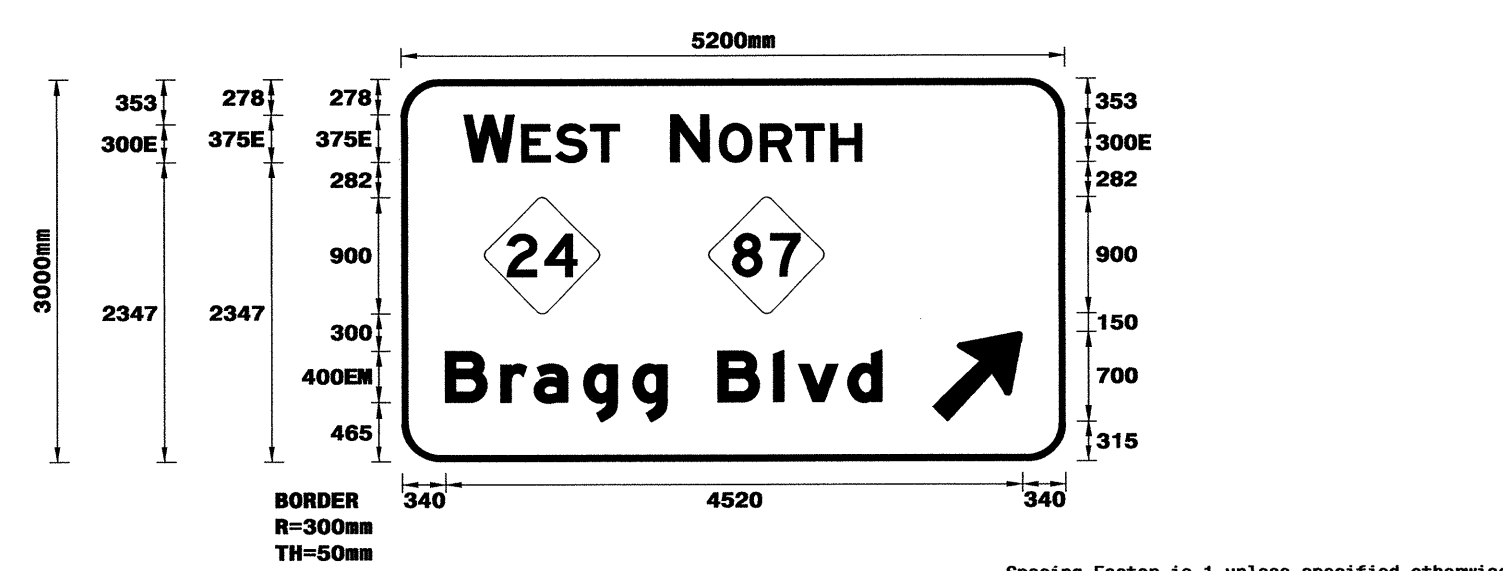
FILENAME: Sign designs_gradng

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 22
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 5200mm
 HEIGHT: 3000mm
 TOTAL AREA: 15.6 Sq.m
 BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 50mm
 RADIUS: 300mm
 NO. Z BARS: 3
 LENGTH: 4996.8

SYMBOL	X	Y	WID	HT
NC482B	651	1165	900	900
NC482B	2410	1165	900	900
ARMED	4160	315	571	900

DESIGN BY: W. Johnson
 PROJECT ID: U-2519DA
 CHECKED BY: DIV
 DATE: Jun 26, 2008



USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Shields shall be Grade A sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
W	E	S	T										E 2000
491	398	54	267	276	225	3489							1220
H	O	R	T	H									E 2000
2111	304	79	321	276	276	243	1591						1499
B	R	A	G	G	B	L	V	D					EM 2000
340	436	260	388	388	264	400	436	196	388	264	1440		3420

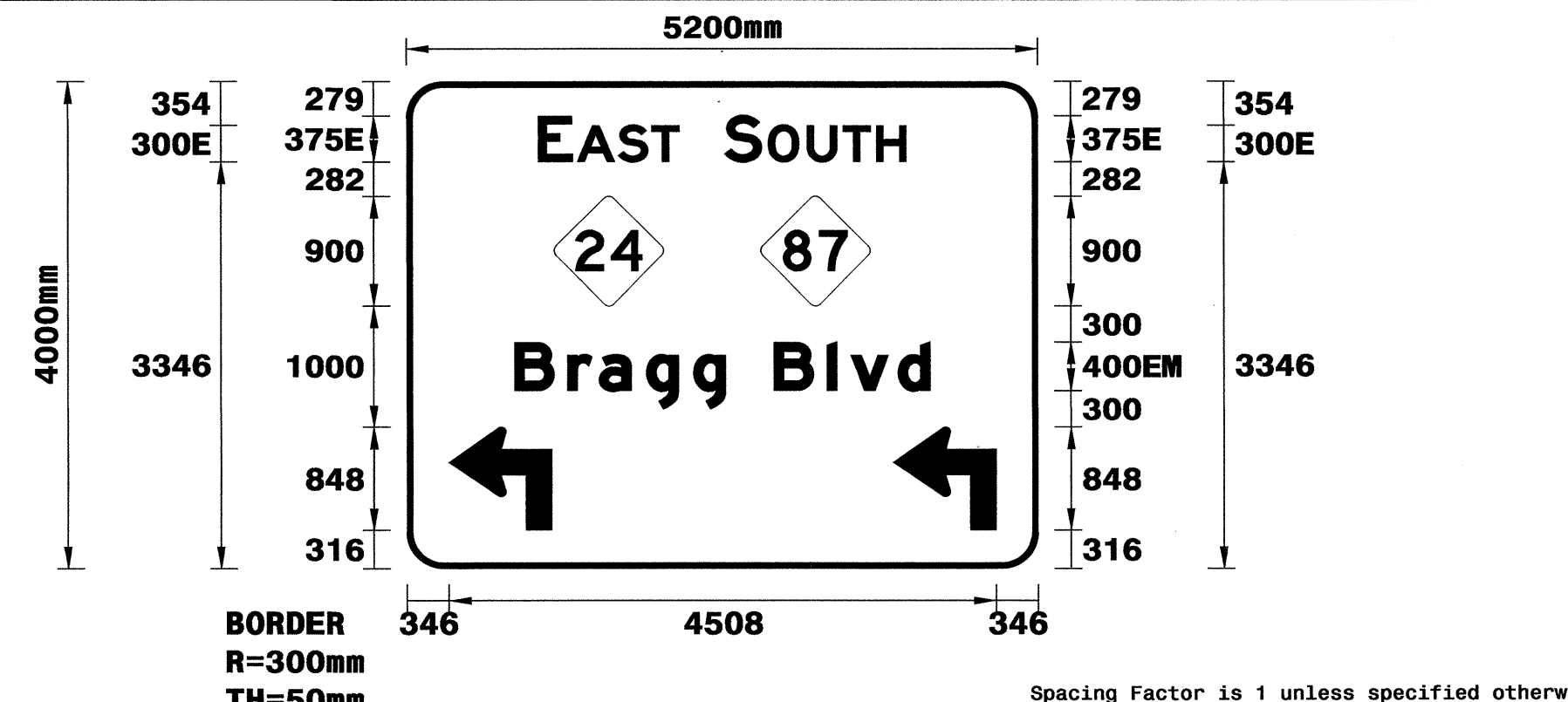
FILENAME: overhead

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 21
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 5200mm
 HEIGHT: 4000mm
 TOTAL AREA: 20.8 Sq.m
 BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 50mm
 RADIUS: 300mm
 NO. Z BARS: 4
 LENGTH: 4996.8

SYMBOL	X	Y	WID	HT
NC482B	1215	2164	900	900
NC482B	2917	2164	900	900
AR90L1	346	316	848	848
AR90L1	4006	316	848	848

DESIGN BY: SWJ
 PROJECT ID: U-2519DA
 CHECKED BY: DIV
 DATE: Jul 15, 2008



USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Shields shall be Grade A sheeting.

LETTER POSITIONS

Letter locations are panel edge to lower left corner													Series/Size
													Text Length
E	A	S	T										E 2000
1086	1405	1744	2020										1160
S	O	U	T	H									E 2000
2620	2980	3301	3595	3871									1494
B	R	A	G	G	B	L	V	D					EM 2000
890	1326	1586	1974	2362	2626	3026	3462	3658	4046				3420

FILENAME: Overhead

NORTH CAROLINA D.O.T. SIGN DETAIL

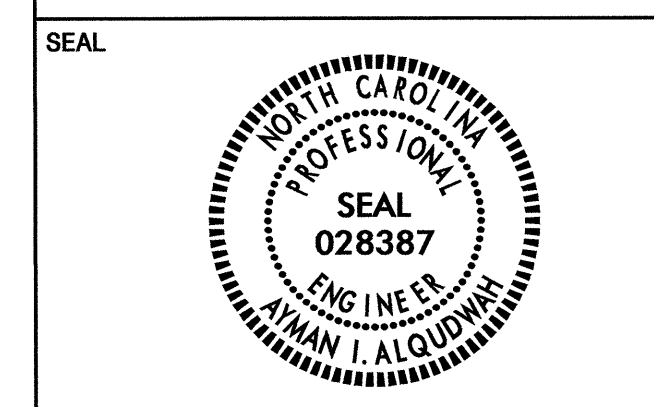
TYPE "A" & "B" SIGNS
 (OVERHEAD)

21-FEB-2011 16:07
 C:\Users\jwagner\AppData\Local\Temp\1\Sign_Designs_gradng-sign
 mcautor



TIP NO. U-2519DA SHEET NO. SIGN-3G

APPROVED: *[Signature]*
DATE: 2/21/11



SIGN NUMBER: 23 BACKG COLOR: Green DESIGN BY: W. Johnson CHECKED BY: DATE: Jun 12, 2008
 TYPE: A COPY COLOR: White PROJECT ID: U-2519DA DIV: DIV

QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1_1	1753	2402	1125	900

SIGN WIDTH: 6500mm HEIGHT: 3600mm
 TOTAL AREA: 23.4 Sq.m

BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 50mm
 RADII: 300mm

NO. Z BARS: 3 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 6296.8

USE NOTES: 1,2

- Legend and border shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade A sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

		S	O	U	T	H	FUTURE										Series/Size			
		3253	304	56	321	294	276	243	1753											Text Length
	T	2936	356	272	2936											E 2000				
	A	354	500	240	80	400	500	564	388	296	204	352	424	264	400	360	480	340	354	EM 2000
	1/4	2374	549	375	300	110	230	188	2374											E 2000
																				1752

FILENAME: overhead NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 24 BACKG COLOR: Green DESIGN BY: W. Johnson CHECKED BY: DATE: Jun 16, 2008
 TYPE: A COPY COLOR: White PROJECT ID: U-2519DA DIV: DIV

QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1_1	1753	2843	1125	900
AR90L1	996	295	848	848
AR90L1	4656	295	848	848

SIGN WIDTH: 6500mm HEIGHT: 4000mm
 TOTAL AREA: 26.0 Sq.m

BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 50mm
 RADII: 300mm

NO. Z BARS: 4 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 6296.8

USE NOTES: 1,2

- Legend and border shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade A sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

		S	O	U	T	H	FUTURE										Series/Size			
		3253	304	56	321	294	276	243	1753											Text Length
	T	2936	356	272	2936											E 2000				
	A	354	500	240	80	400	500	564	388	296	204	352	424	264	400	360	480	340	354	EM 2000
																				5792

FILENAME: overhead NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE "A" & "B" SIGNS (OVERHEAD)

I:\PEP-2011\21
 P:\TIP\Projects\U-2519DA\Traffic\Signs\Sign Designs\Sign Designs\grading.dgn
 mation



TIP NO. U-2519DA	SHEET NO. SIGN-31
APPROVED: <i>[Signature]</i>	
DATE: 8/14/08	
SEAL	

SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 1700mm HEIGHT: 400mm TOTAL AREA: 0.7 Sq.m BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 20mm RADII: 50mm NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL: X Y WID HT	DESIGN BY: none PROJECT ID: ID CHECKED BY: DIV: DIV DATE: Aug 06, 2008
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USE NOTES: 1,2
 1. Legend and border shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS											Series/Size	
Letter spacings are to start of next letter											Text Length	
B	E	A	V	E	R	C	R	E	E	K	D 2000	
110	127	109	136	118	102	135	128	118	118	105	110	1481

FILENAME: Sign designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302 TYPE: D QUANTITY: 1 SIGN WIDTH: 2000mm HEIGHT: 700mm TOTAL AREA: 1.4 Sq.m BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 20mm RADII: 76mm NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL: X Y WID HT	DESIGN BY: none PROJECT ID: U-2519DA CHECKED BY: DIV: DIV DATE: Jul 01, 2008
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USE NOTES: 1,2
 1. Legend and border shall be direct applied Grade B sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS											Series/Size
Letter locations are panel edge to lower left corner											Text Length
E	N	T	E	R	I	N	G				D 2000
549	668	792	908	1026	1154	1214	1349				902
F	O	R	T	B	R	A	G	G			D 2000
179	329	515	667	791	991	1161	1313	1509	1685		1642

FILENAME: X-0002C_Ground Mounted NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE "D" SIGNS

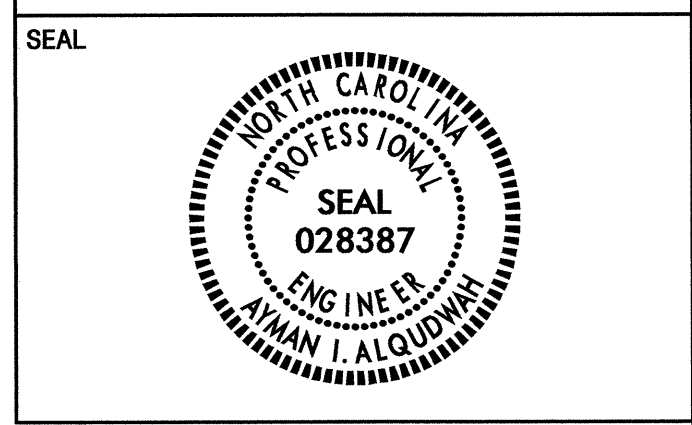
Sunny V.R. Hen

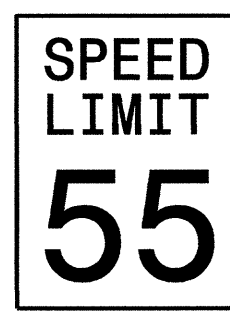
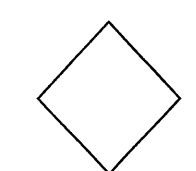
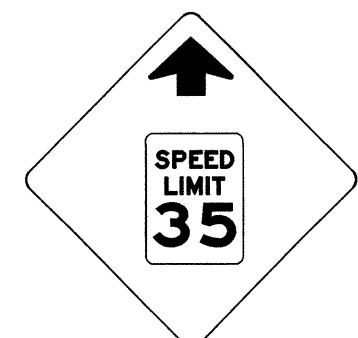
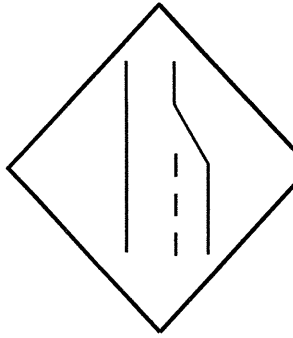
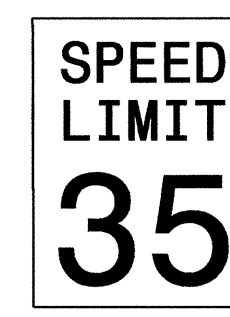
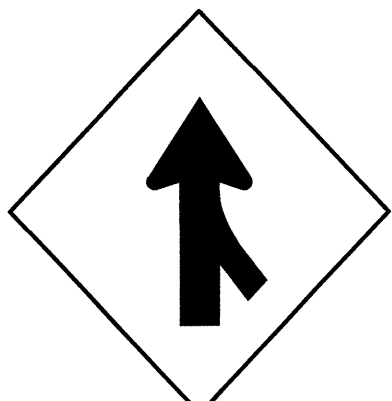
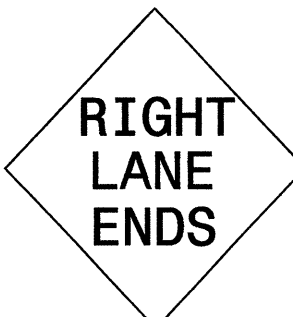
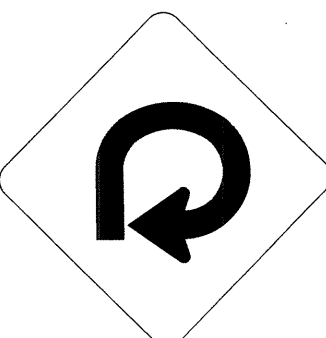
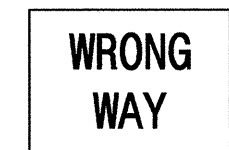
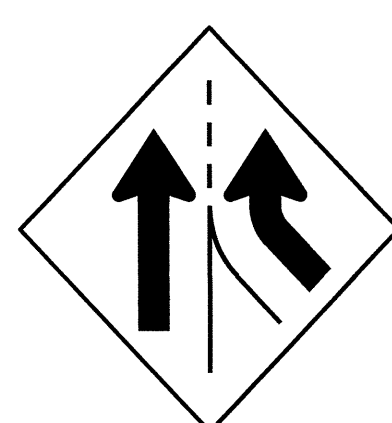
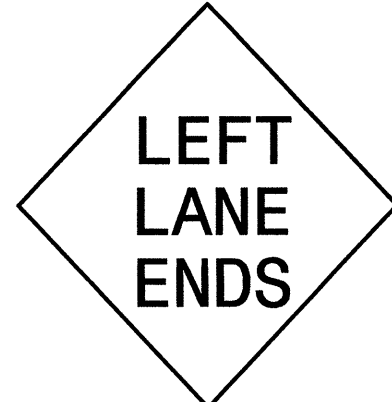
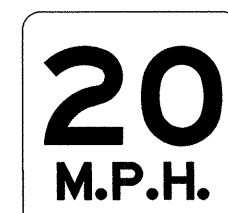

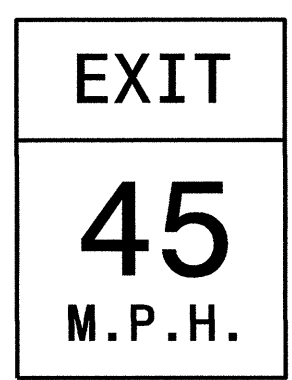
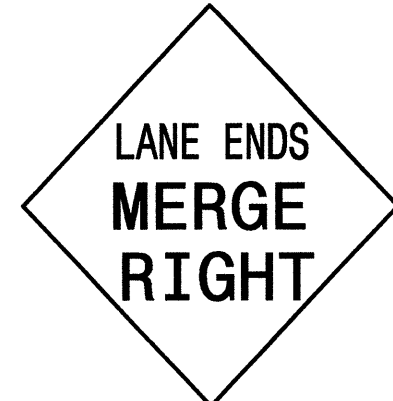
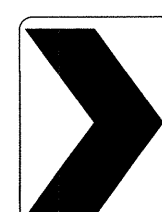
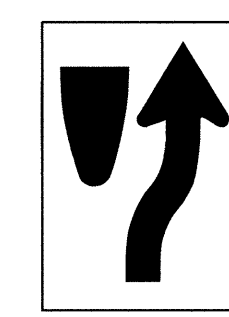
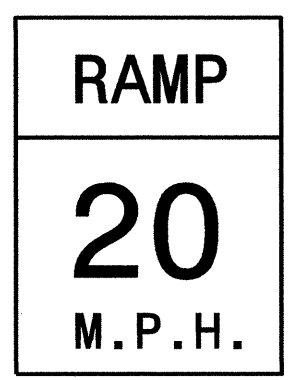
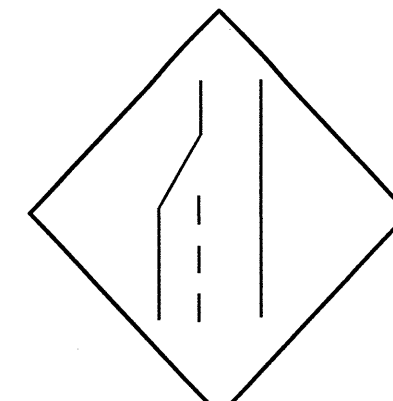
P:\AUG2008\1435\UPB\Signs\Traffic\Signing\C4000\Sign Designs\Sign designs Sheets.dgn



TIP NO. U-2519DA	SHEET NO. SIGN-3J
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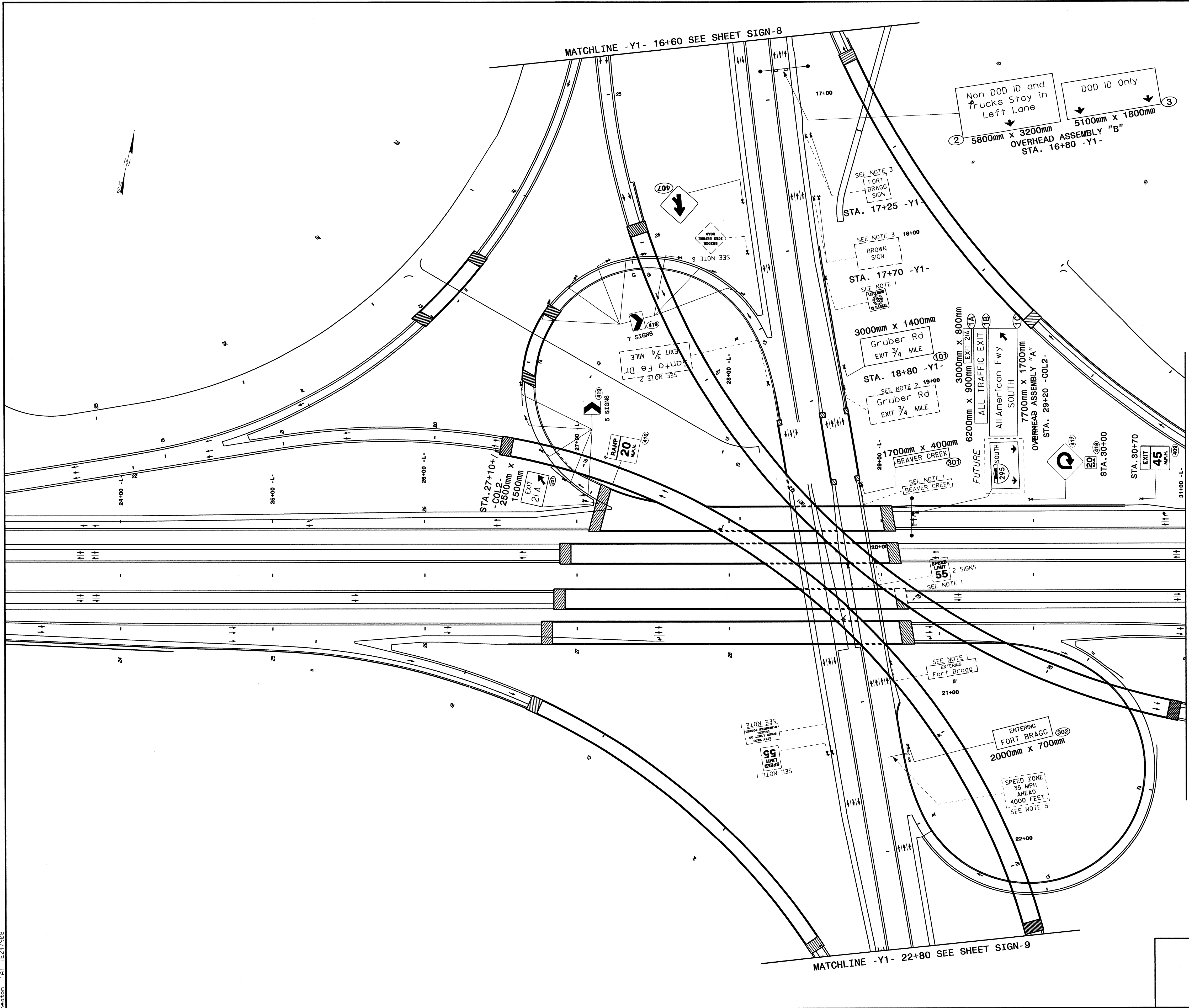
APPROVED: *[Signature]*
DATE: 2/21/11



<p>401 QUANTITY REQ'D <u>2</u></p>  <p>1219 X 1524 R2-1</p> <p>TWO "U" POSTS PER SIGN</p>	<p>406 QUANTITY REQ'D <u>1</u></p>  <p>457 X 457 OMI-3</p> <p>MOUNT BELOW SIGN 405 IN <u>1</u> INSTALLATIONS</p>	<p>411 QUANTITY REQ'D <u>2</u></p>  <p>914 X 914 W3-5</p> <p>MOUNT ON EXISTING SUPPORTS</p>	<p>416 QUANTITY REQ'D <u>1</u></p>  <p>914 X 914 W4-2(R)</p> <p>ONE "U" POST PER SIGN</p>			
<p>402 QUANTITY REQ'D <u>2</u></p>  <p>914 X 1219 R2-1</p> <p>TWO "U" POSTS PER SIGN</p>	<p>407 QUANTITY REQ'D <u>2</u></p>  <p>1219 X 1219 W4-1 (R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>412 QUANTITY REQ'D <u>1</u></p>  <p>914 X 914 W9-1(R)</p> <p>ONE "U" POST PER SIGN</p>	<p>417 QUANTITY REQ'D <u>2</u></p>  <p>914 X 914 W1-15</p> <p>ONE "U" POST PER SIGN</p>			
<p>403 QUANTITY REQ'D <u>8</u></p>  <p>914 X 610 R5-1a</p> <p>ONE "U" POST PER SIGN</p>	<p>408 QUANTITY REQ'D <u>1</u></p>  <p>1219 X 1219 W4-3(R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>413 QUANTITY REQ'D <u>1</u></p>  <p>1219 X 1219 W9-1(L)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>418 QUANTITY REQ'D <u>2</u></p>  <p>610 X 610 W13-1P</p> <p>MOUNT BELOW SIGN 417 IN <u>2</u> INSTALLATIONS</p>			
<p>404 QUANTITY REQ'D <u>1</u></p>  <p>1372 X 457 R6-1 (R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>409 QUANTITY REQ'D <u>2</u></p>  <p>914 X 1219 W13-2</p> <p>TWO "U" POSTS PER SIGN</p>	<p>414 QUANTITY REQ'D <u>1</u></p>  <p>1219 X 1219 W9-2</p> <p>TWO "U" POSTS PER SIGN</p>	<p>419 QUANTITY REQ'D <u>18</u></p>  <p>762 X 914 W1-8R</p> <p>ONE "U" POST PER SIGN</p>			
<p>405 QUANTITY REQ'D <u>1</u></p>  <p>610 X 762 R4-7</p> <p>ONE "U" POST PER SIGN</p>	<p>410 QUANTITY REQ'D <u>2</u></p>  <p>914 X 1219 W13-3</p> <p>TWO "U" POSTS PER SIGN</p>	<p>415 QUANTITY REQ'D <u>2</u></p>  <p>1219 X 1219 W4-2(L)</p> <p>TWO "U" POSTS PER SIGN</p>				<p>NOTE: THIS DRAWING IS DIMENSIONED IN MILLIMETERS UNLESS OTHERWISE DEPICTED WITHIN THE DRAWING.</p> <p>TYPE "E" SIGNS</p>



TIP NO.	SHEET NO.
U-2519DA	SIGN-4
APPROVED: <i>[Signature]</i>	
DATE: 2/3/10	
SEAL	

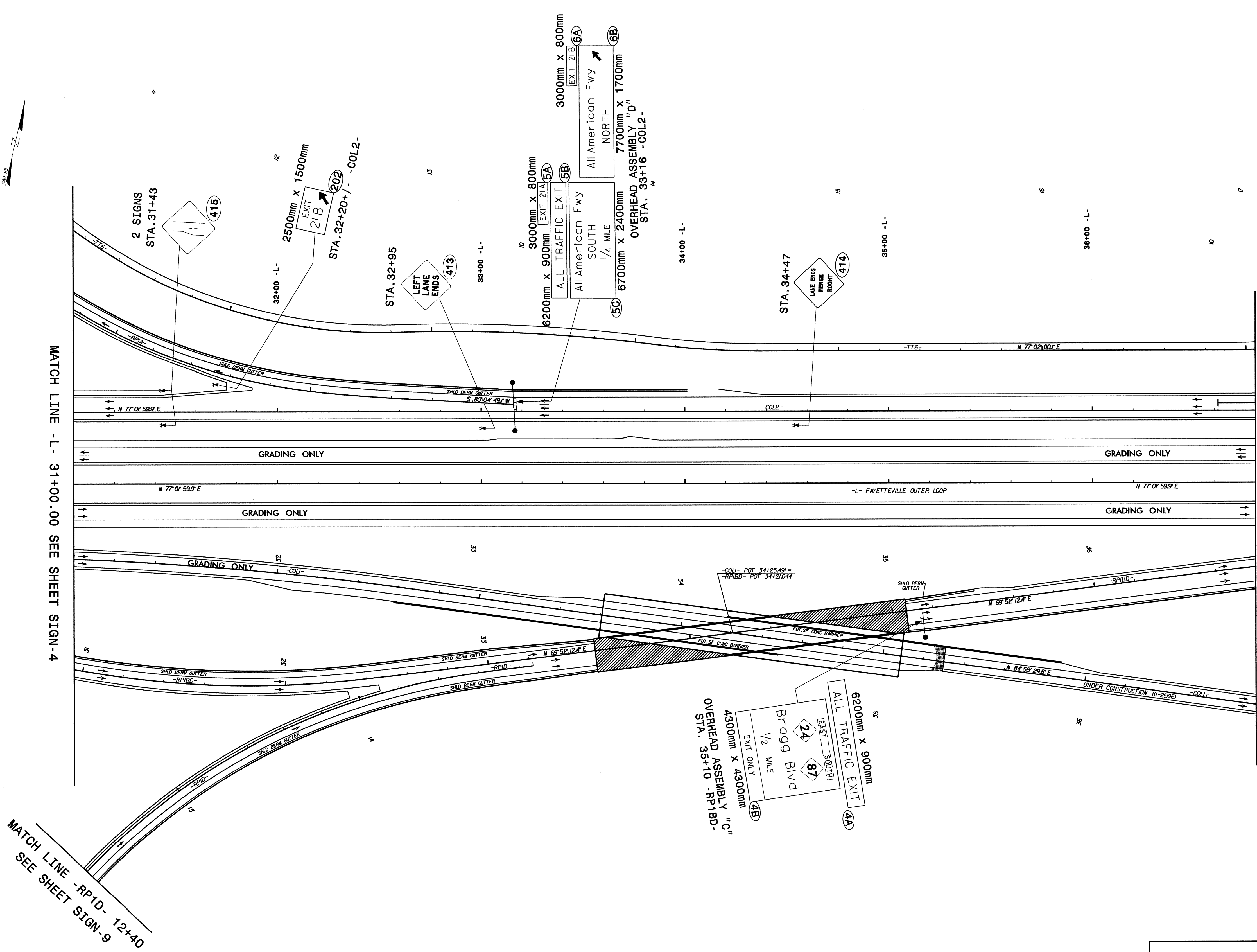
MATCH LINE -L- 31+00.00 SEE SHEET SIGN-5

PROPOSED & EXISTING SIGNS
 STA. 16+60 TO STA. 22+80
 -Y1- ALL AMERICAN FREEWAY

23-FEB-2011 14:55
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TIP NO. U-2519DA	SHEET NO. SIGN-5
APPROVED: <i>[Signature]</i>	
DATE: 2/21/11	
SEAL	



MATCH LINE - L- 31+00.00 SEE SHEET SIGN-4

MATCH LINE - L- 36+80 SEE SHEET SIGN-6

MATCH LINE - RP1D- 12+40
SEE SHEET SIGN-9

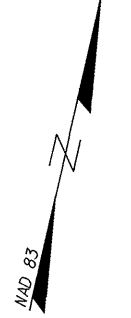
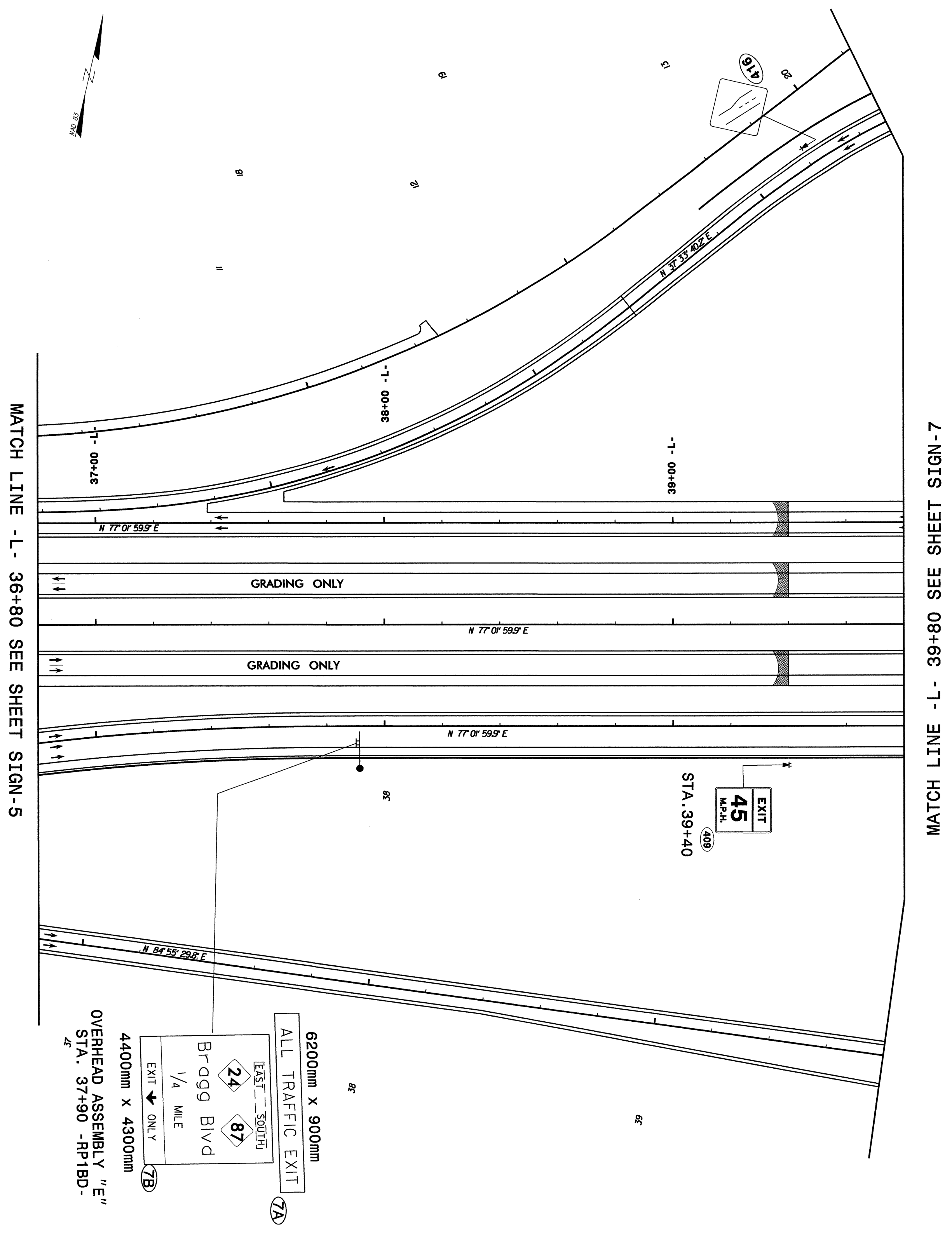
6200mm x 900mm
ALL TRAFFIC EXIT
4A
EXIT ONLY
4B
4300mm x 4300mm
OVERHEAD ASSEMBLY "C"
STA. 35+10 - RP1BD -
4300mm x 4300mm
EXIT ONLY
4B
4300mm x 4300mm
OVERHEAD ASSEMBLY "C"
STA. 35+10 - RP1BD -
4300mm x 4300mm
EXIT ONLY
4B
4300mm x 4300mm
OVERHEAD ASSEMBLY "C"
STA. 35+10 - RP1BD -

PROPOSED SIGNS
STA. 31+00 TO STA. 36+80
FAYETTEVILLE OUTER LOOP

2:4:55:2011:55:9
P:\Traffic\Signing\CAOD\Signing Layout Plans\Signing\2519da_sign05.dgn
11/22/2010 11:22:38



TIP NO. U-2519DA	SHEET NO. SIGN-6
APPROVED: <i>[Signature]</i>	
DATE: 2/21/11	
SEAL	

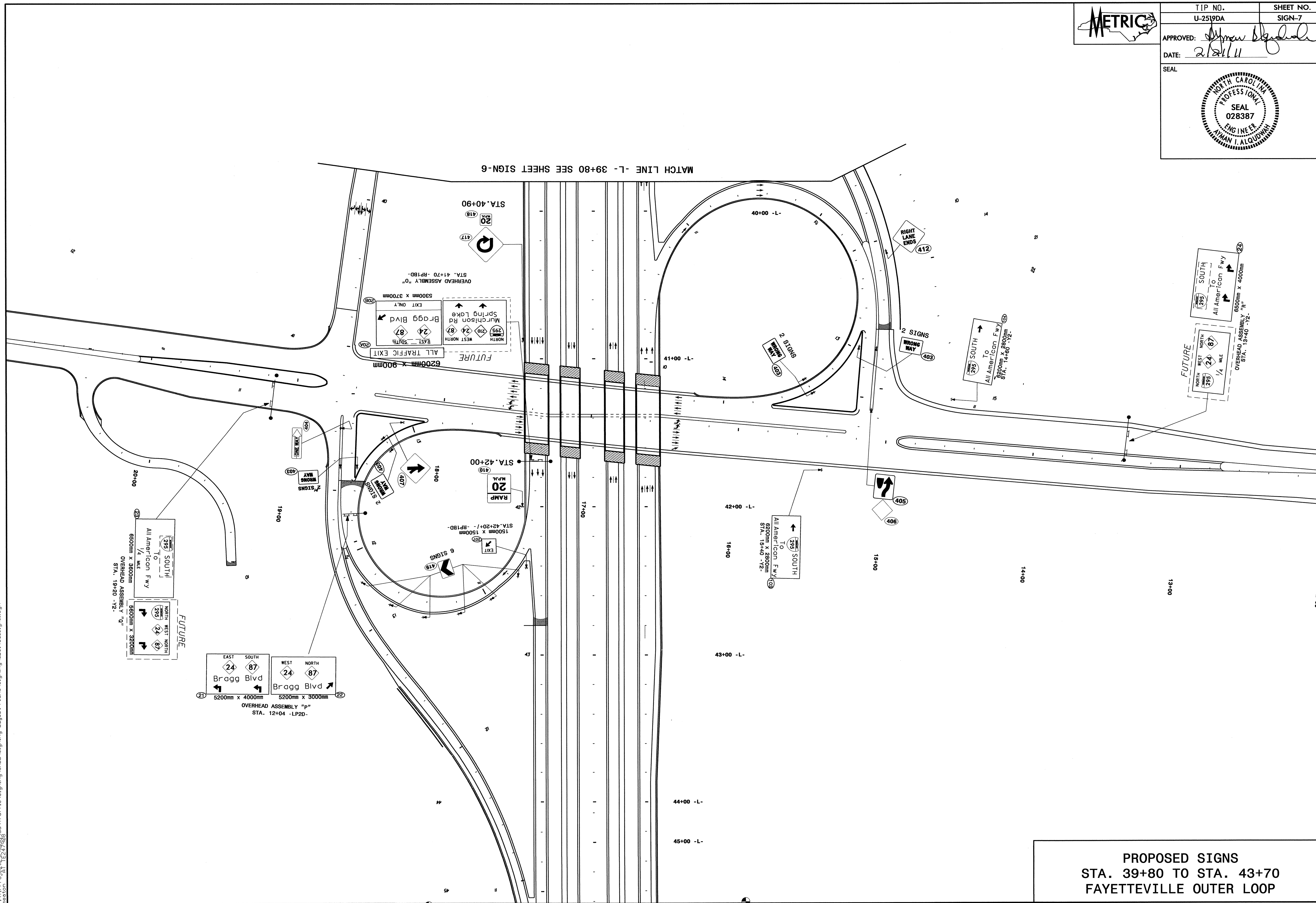
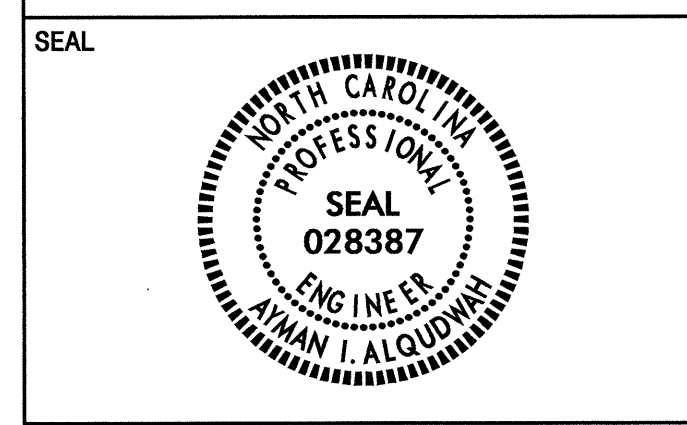


**PROPOSED SIGNS
STA. 36+80 TO STA. 39+40
FAYETTEVILLE OUTER LOOP**

21-FEB-2011 16:01
P:\TIPF-coastguard\2519da\Traffic\Signing\CADD\Signing_Layout_Plans\Signing_Layout_Plans\Signing_U2519da_s1gn06.dgn



TIP NO.	SHEET NO.
U-2519DA	SIGN-7
APPROVED: <i>[Signature]</i>	
DATE: 2/21/11	

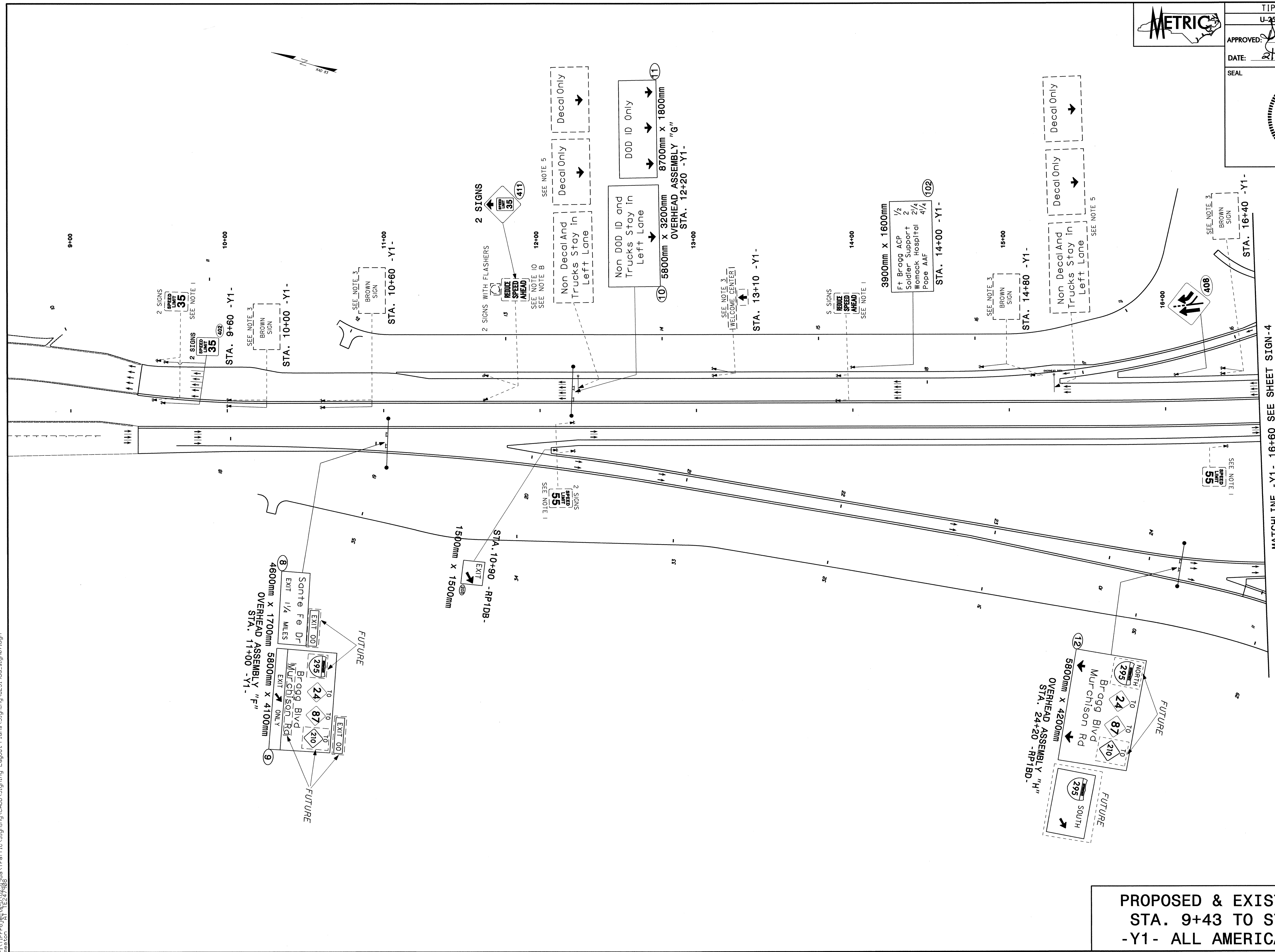


**PROPOSED SIGNS
STA. 39+80 TO STA. 43+70
FAYETTEVILLE OUTER LOOP**

21-FEB-2011 16:06
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 User: am...



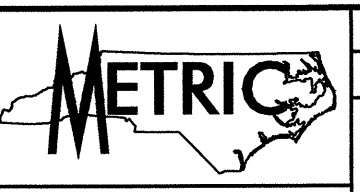
TIP NO.	SHEET NO.
U-2519DA	SIGN-8
APPROVED: <i>[Signature]</i>	
DATE: 2/23/11	
SEAL	



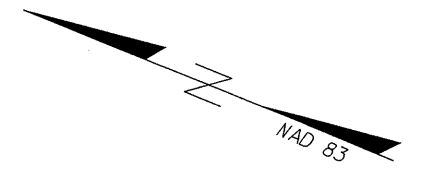
MATCHLINE -Y1 - 16+60 SEE SHEET SIGN-4

**PROPOSED & EXISTING SIGNS
STA. 9+43 TO STA. 16+60
-Y1- ALL AMERICAN FREEWAY**

23-FEB-2011 4:47
P:\TIP\2519DA\Signing\CADD\Signing Layout Plans\Signing Layout Plans\sign07.dgn
A:\Users\aiman.alquodhi\My Documents\2519DA\Signing\CADD\Signing Layout Plans\Signing Layout Plans\sign07.dgn



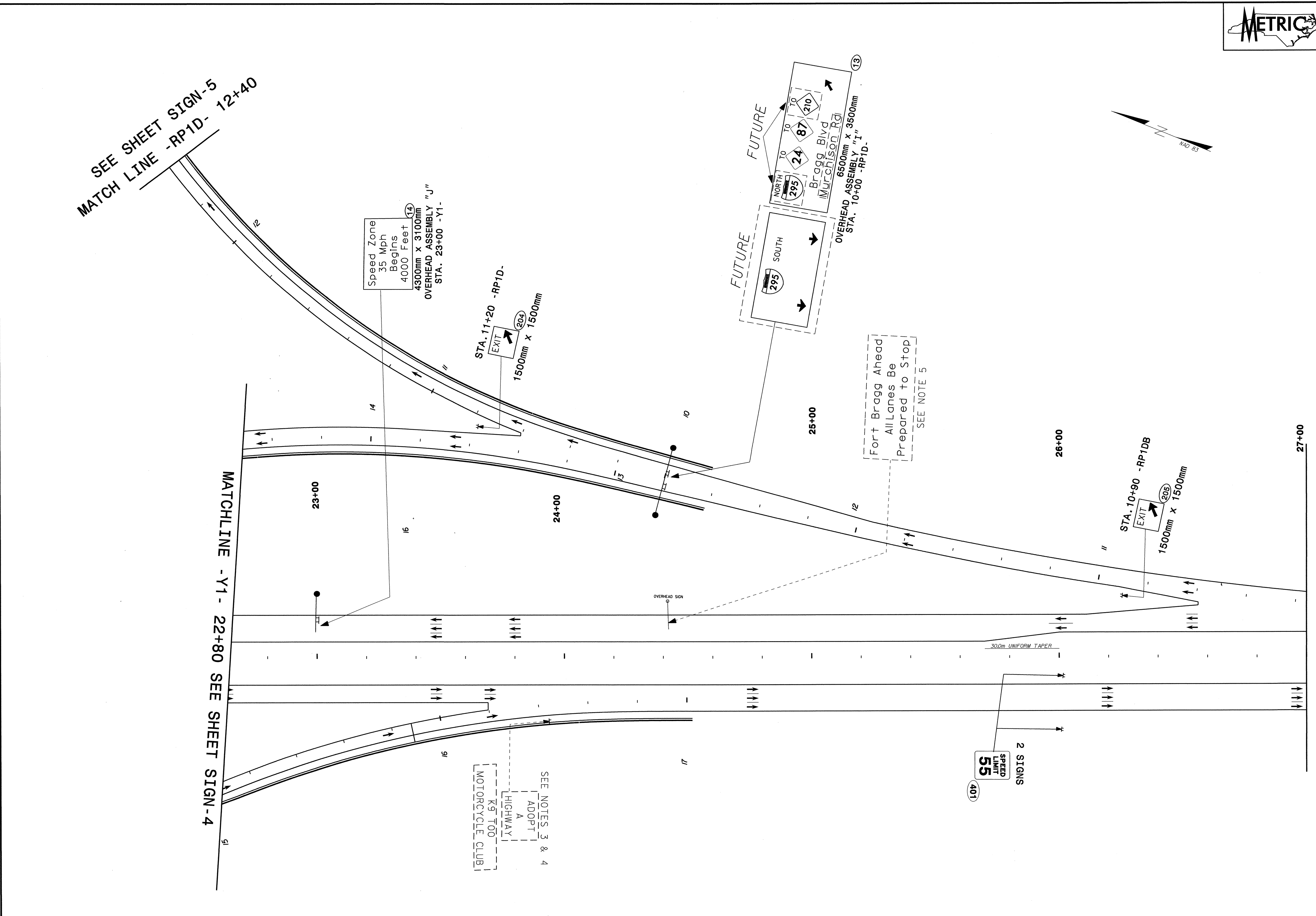
TIP NO. U-2519DA SHEET NO. SIGN-9
 APPROVED: *[Signature]*
 DATE: 2/21/11



SEE SHEET SIGN-5
 MATCH LINE -RP1D- 12+40

MATCHLINE -Y1- 22+80 SEE SHEET SIGN-4

MATCHLINE -Y1- SEE SHEET SIGN-10



Speed Zone
 35 Mph Begins
 4000 Feet
 4300mm x 3100mm
 OVERHEAD ASSEMBLY "J"
 STA. 23+00 -Y1-

SEE NOTES 3 & 4
 ADOPT
 A
 HIGHWAY
 K9 TOO
 MOTORCYCLE CLUB

Fort Bragg Ahead
 All Lanes Be
 Prepared to Stop
 SEE NOTE 5

2 SIGNS
 SPEED LIMIT
 55
 (401)


PROPOSED & EXISTING SIGNS
 STA. 22+80 TO STA. 27+00
 -Y1- ALL AMERICAN FREEWAY

8-FFB-20113453
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METRIC

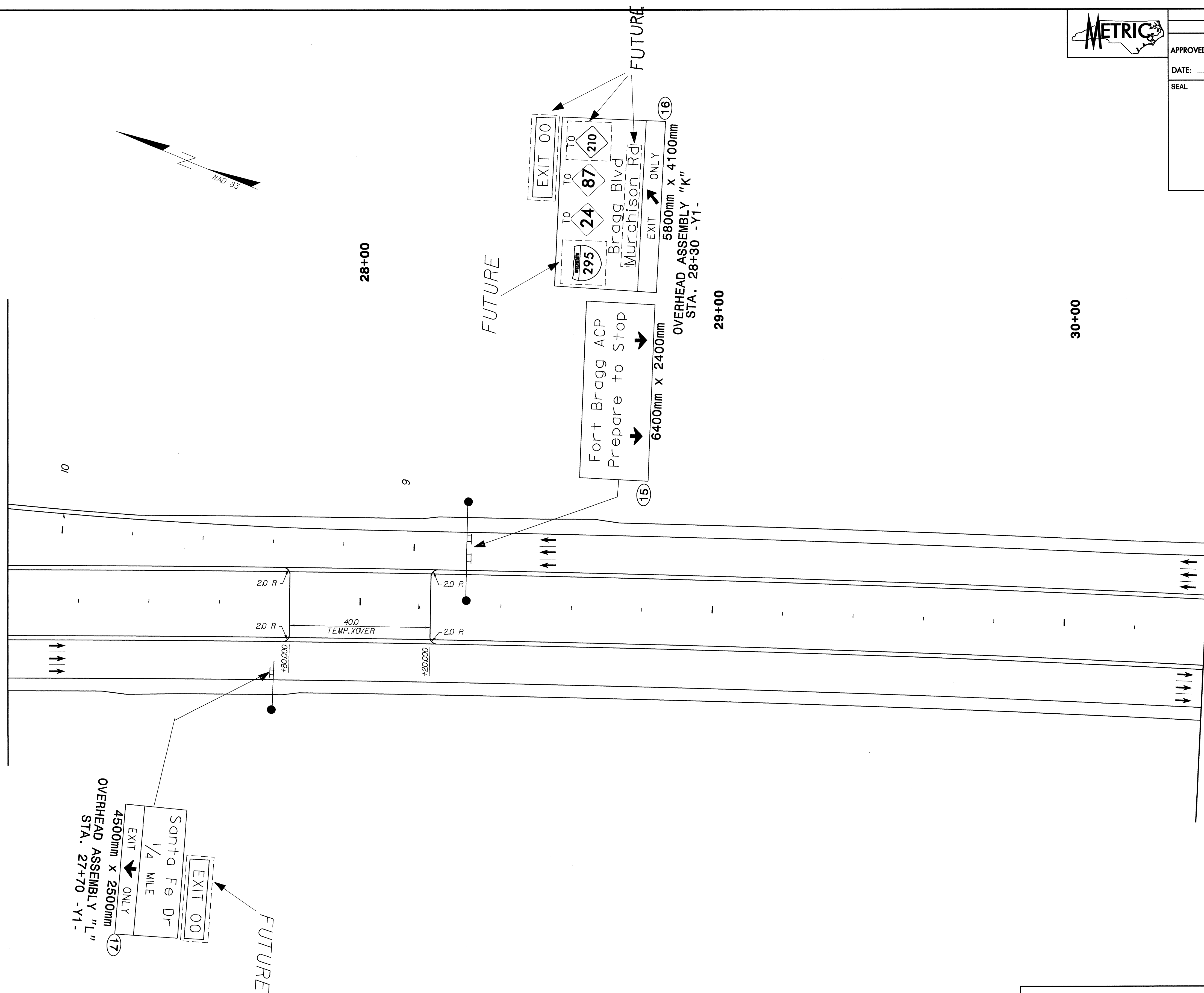
TIP NO. U-2519DA	SHEET NO. SIGN-10
APPROVED: <i>[Signature]</i>	
DATE: 2/21/11	

SEAL



MATCHLINE -Y1- SEE SHEET SIGN-9

MATCHLINE -Y1- SEE SHEET SIGN-11



PROPOSED SIGNS
 STA. 27+00 TO STA. 30+40
 -Y1- ALL AMERICAN FREEWAY

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 revision: AT 12/27/08

