

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

TIP NO.	SHEET NO.
R-2417AA	SIGN-1

APPROVED: _____

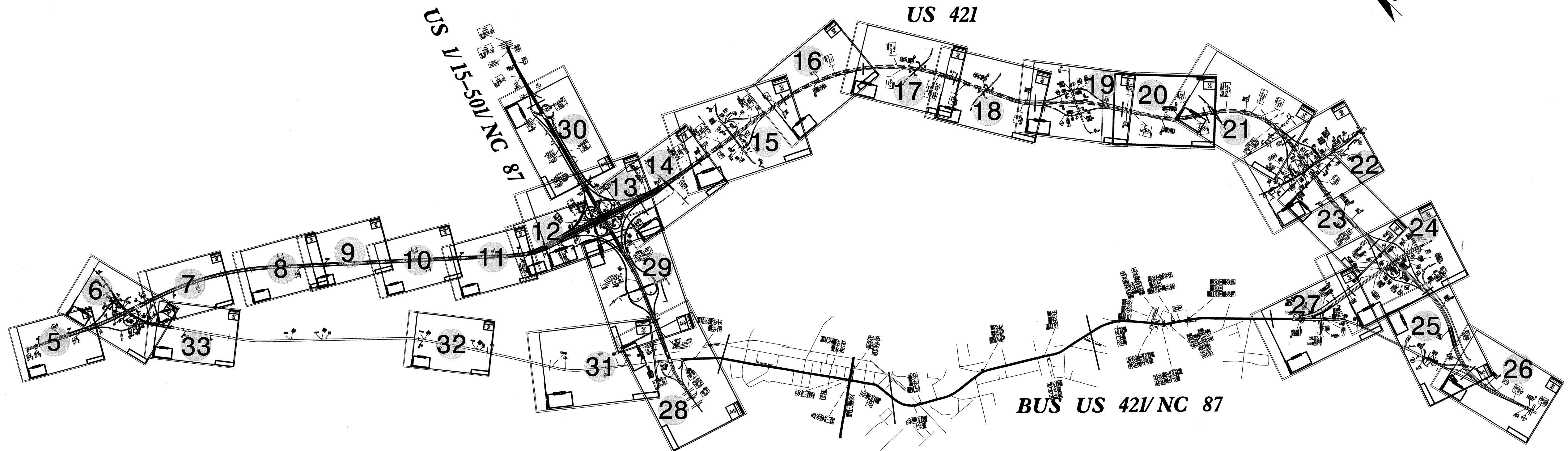
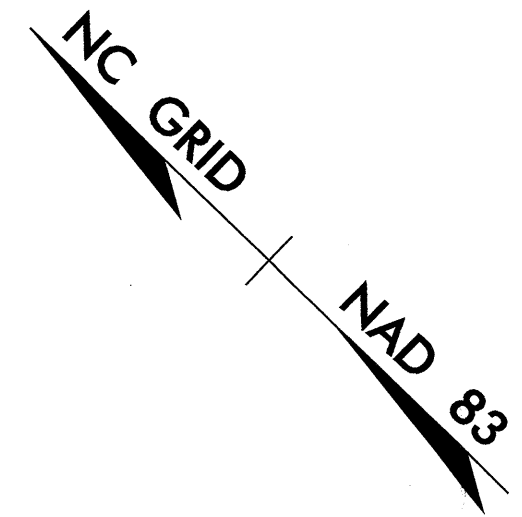
DATE: _____

SEAL



SIGNING PLAN
LEE COUNTY

LOCATION: US 421 SANFORD BYPASS FROM WEST OF SR 1400 TO
WEST OF US 1-15-501 AND REWORK OF SIGNS ON BUSINESS US 421/NC 87



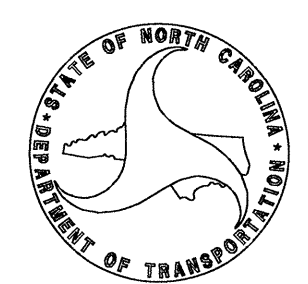
INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-1A	SUMMARY OF QUANTITIES, STANDARDS, AND NOTES
SIGN-2-2D	SUPPORT INFORMATION AND GROUND MOUNT SHEETS
SIGN-3-3V	OVERHEAD DETAILS AND SIGN DESIGNS
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SIGN-5-33	SIGN PLAN VIEW SHEETS

PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

Susan B. Kunz SIGNING & DELINEATION REGIONAL ENGINEER

William M. DeBrew SIGNING & DELINEATION PROJECT DESIGN ENGINEER



T.I.P.: R-2417AA

CONTRACT: C202331

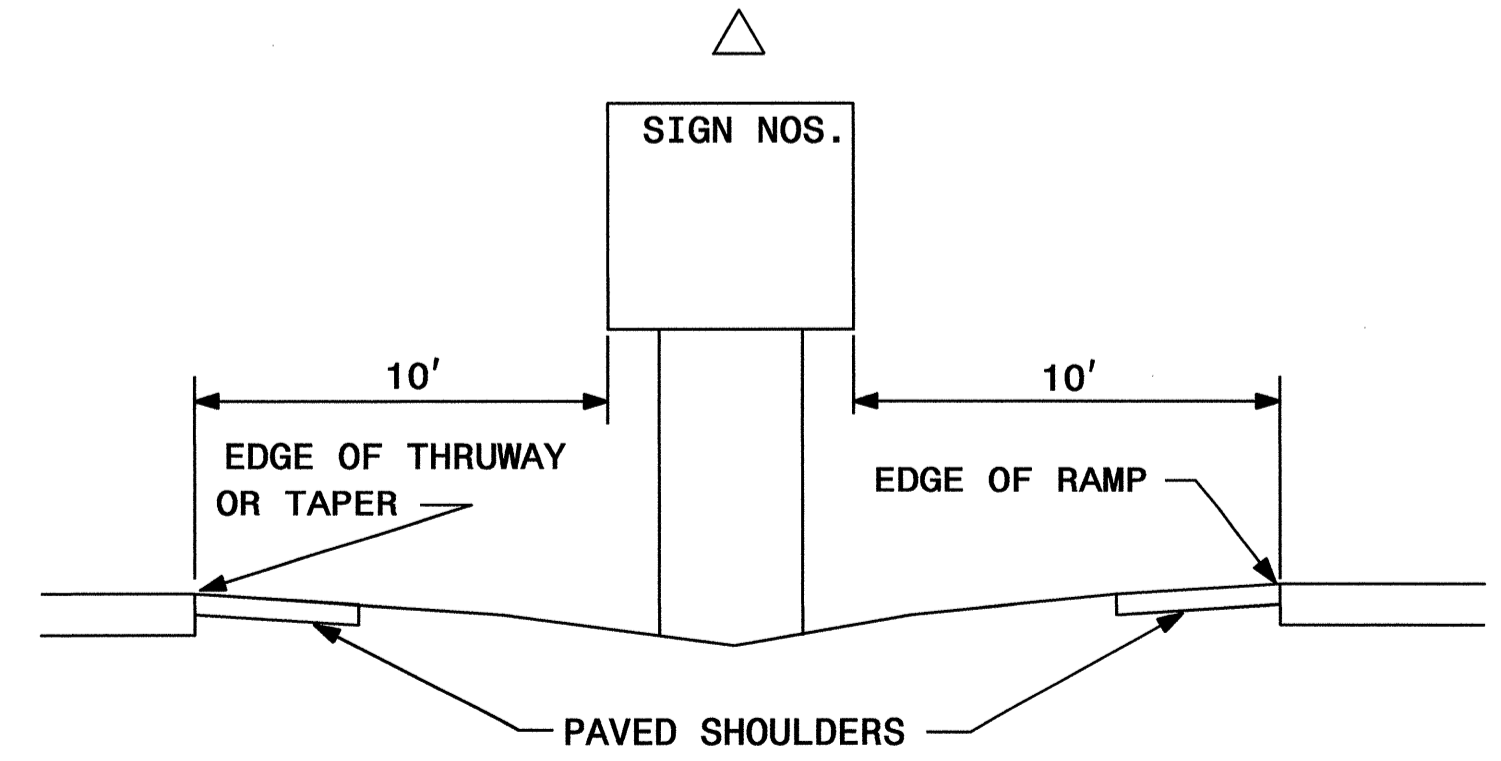
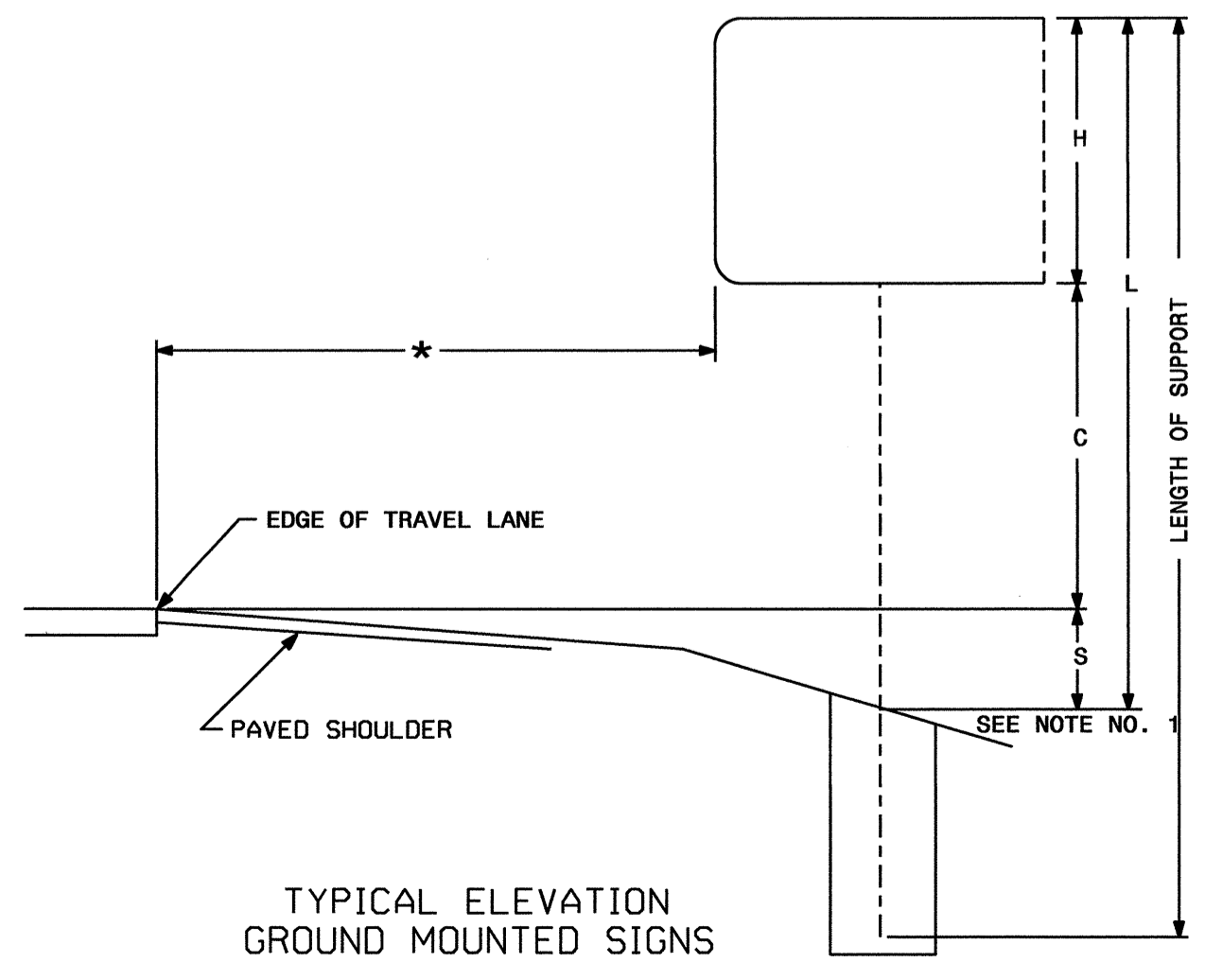
SUPPORT CHART

SIGN NO.	SIGN TYPE	SIGN SIZE (in.)			ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE	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.)	PLAIN FTGS. (c.y.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h								SNS HT	MTG HT	EMBED- MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH							
101A	B	108	X30		2	W10x26	BA	1-R	N/A	30.00	13.50	7.00	6.5	1.50	22.00	28.50	0.00	0.00	0.00	2.00	22.50	29.00	2.5	7	1783.14	0.00	2.55	0.00		
101B	A	192	X162																											
102A	B	108	X30		2	W10x26	BA	1-R	N/A	30.00	13.50	7.00	6.5	1.50	22.00	28.50	0.00	0.00	0.00	2.00	22.50	29.00	2.5	7	1783.14	0.00	2.55	0.00		
102B	A	192	X162																											
103A	B	108	X30		3	W18x40	S	1-R	N/A	18.00	14.50	7.00	6	3.18	24.68	30.68	6.02	27.52	33.52	8.86	30.36	36.36	3	6.5	0.00	4022.40	5.11	0.00		
103B	A	192	X174	-L- 26+98+/-																										
104A	B	108	X30		2	W10x26	BA	1-R	N/A	30.00	12.00	7.00	6.5	3.47	22.47	28.97	0.00	0.00	0.00	1.29	20.29	26.79	2.5	7	1737.90	0.00	2.55	0.00		
104B	A	192	X144	-L- 57+02+/-																										
105	B	114	X36	-L- 77+71+/-	2	S3x5.7	BA	N/A	N/A	30.00	3.00	7.00	3.5	3.07	13.07	16.57	0.00	0.00	0.00	1.89	11.89	15.39	1	4	217.70	0.00	0.00	0.23		
106A	A	168	X30		3	W18x40	S	1-R	N/A	18.00	14.00	7.00	6	2.00	23.00	29.00	3.77	24.77	30.77	5.55	26.55	32.55	3	6.5	0.00	3692.80	5.11	0.00		
106B	A	240	X168	-L- 118+66+/-																										
107A	B	108	X30		2	W10x26	BA	1-R	N/A	30.00	11.00	7.00	6	3.95	21.95	27.95	0.00	0.00	0.00	1.96	19.96	25.96	2.5	6.5	1689.80	0.00	2.36	0.00		
107B	A	192	X132	-L- 110+01+/-																										
108A	A	168	X30		3	W18x40	S	1-R	N/A	18.00	14.00	7.00	6	2.00	23.00	29.00	3.77	24.77	30.77	5.55	26.55	32.55	3	6.5	0.00	3692.80	5.11	0.00		
108B	A	240	X168	-L- 175+75+/-																										
109A	B	108	X30		2	W10x26	BA	1-R	N/A	30.00	11.00	7.00	6	2.85	20.85	26.85	0.00	0.00	0.00	0.17	18.17	24.17	2.5	6.5	1614.66	0.00	2.36	0.00		
109B	A	192	X132	-L- 163+31+/-																										
113A	A	162	X30	-Y1- 12+48+/-	2	W10x26	S	1-R	N/A	18.00	14.00	7.00	6.5	1.50	22.50	29.00	0.00	0.00	0.00	2.00	23.00	29.50	2.5	7	0.00	1521.00	2.55	0.00		
113B	A	174	X168	Metric R-2417AB																										
201	A	90	X60	-L- 35+11+/-	2	S3x5.7	BA	N/A	N/A	△	5.00	7.00	3.5	0.50	12.50	16.00	0.00	0.00	0.00	0.50	12.50	16.00	1	4	217.93	0.00	0.00	0.23		
202	A	90	X60	-L- 43+65+/-	2	S3x5.7	BA	N/A	N/A	△	5.00	7.00	3.5	0.50	12.50	16.00	0.00	0.00	0.00	0.50	12.50	16.00	1	4	217.93	0.00	0.00	0.23		
203	A	102	X90	-L- 232+62+/-	2	W6x9	BA	N/A	N/A	△	7.50	7.00	4	0.50	15.00	19.00	0.00	0.00	0.00	0.50	15.00	19.00	1.5	4.5	405.12	0.00	0.59	0.00		
204	A	108	X60	-L- 246+00+/-	2	S4x7.7	BA	N/A	N/A	△	5.00	7.00	4	0.50	12.50	16.50	0.00	0.00	0.00	0.50	12.50	16.50	1	4.5	294.71	0.00	0.00	0.26		
205	A	108	X60	-L- 80+64+/-	2	S4x7.7	BA	N/A	N/A	△	5.00	7.00	4	0.50	12.50	16.50	0.00	0.00	0.00	0.50	12.50	16.50	1	4.5	294.71	0.00	0.00	0.26		
206	A	102	X60	-Y1- 25+64+/-	2	S4x7.7	BA	N/A	N/A	△	5.00	7.00	4	0.50	12.50	16.50	0.00	0.00	0.00	0.50	12.50	16.50	1	4.5	294.71	0.00	0.00	0.26		
207	A	102	X60	-Y1- 22+90+/-	2	S4x7.7	BA	N/A	N/A	△	5.00	7.00	4	0.50	12.50	16.50	0.00	0.00	0.00	0.50	12.50	16.50	1	4.5	294.71	0.00	0.00	0.26		
208	A	102	X90	SEE SHEET SIGN-14	2	W6x9	BA	N/A	N/A	△	7.50	7.00	4	0.50	15.00	19.00	0.00	0.00	0.00	0.50	15.00	19.00	1.5	4.5	405.12	0.00	0.59	0.00		

TOTAL TOTAL TOTAL TOTAL
11251.29 12929.00 31.40 1.75
USE: 11252 12930 32 2

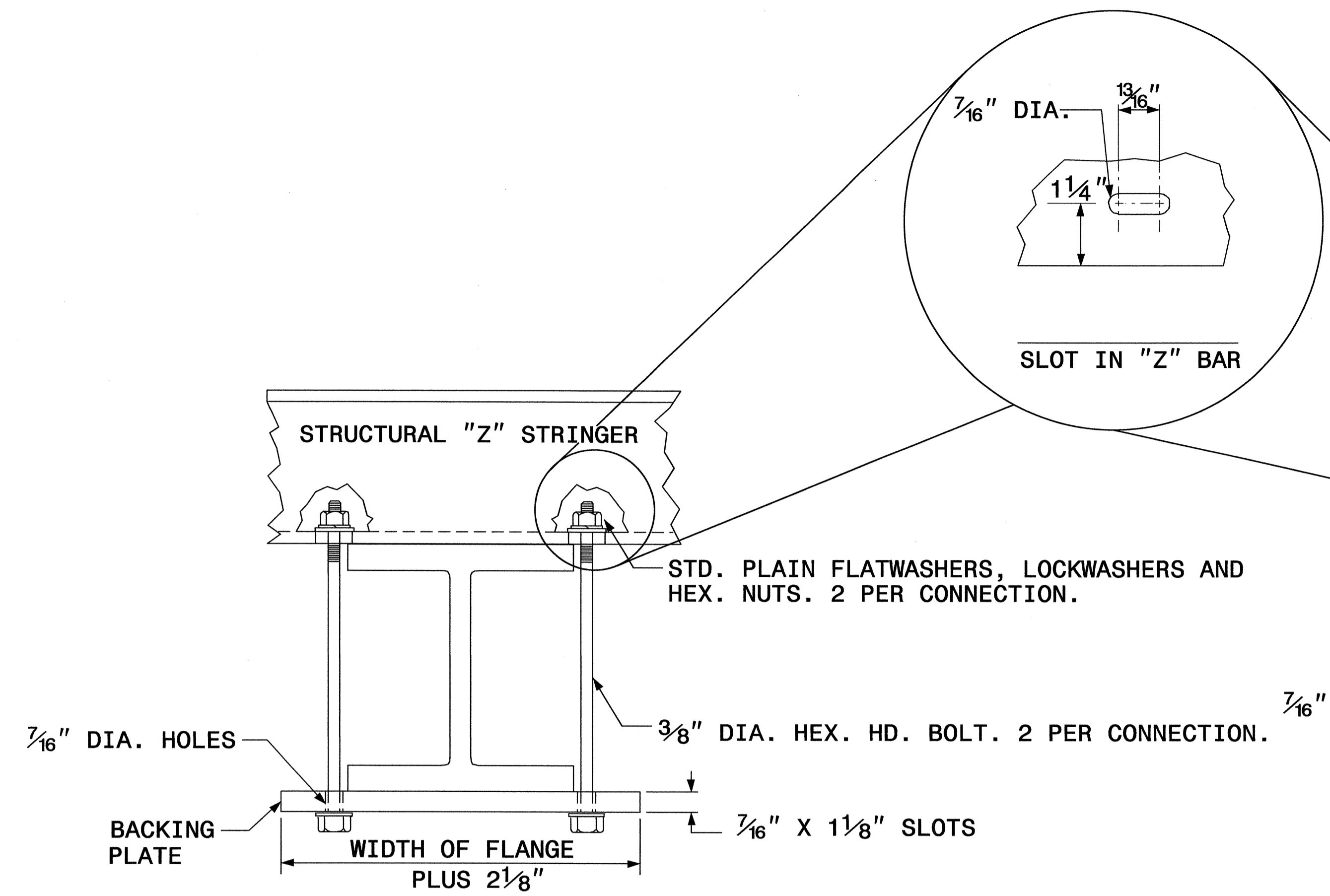
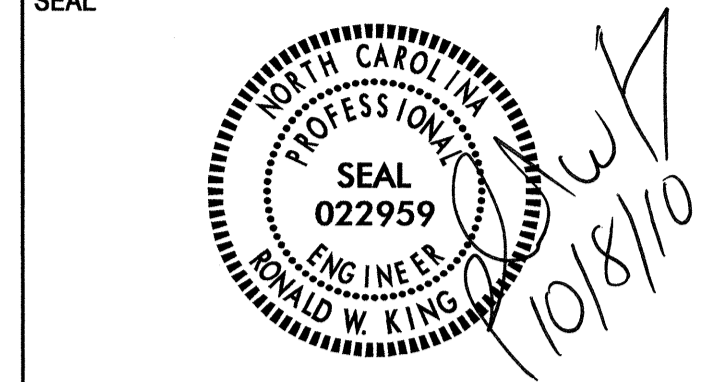
APPROVED: _____
DATE: _____
SEAL

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

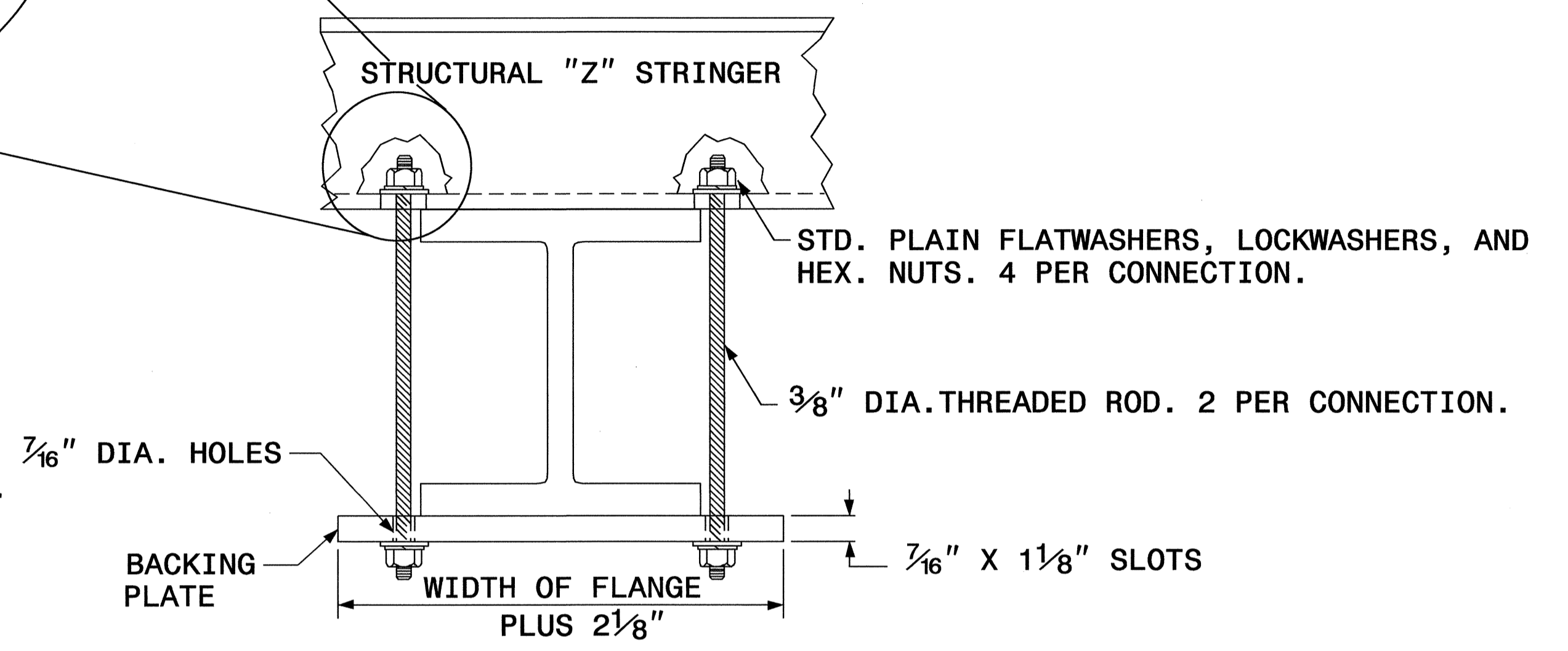


TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS

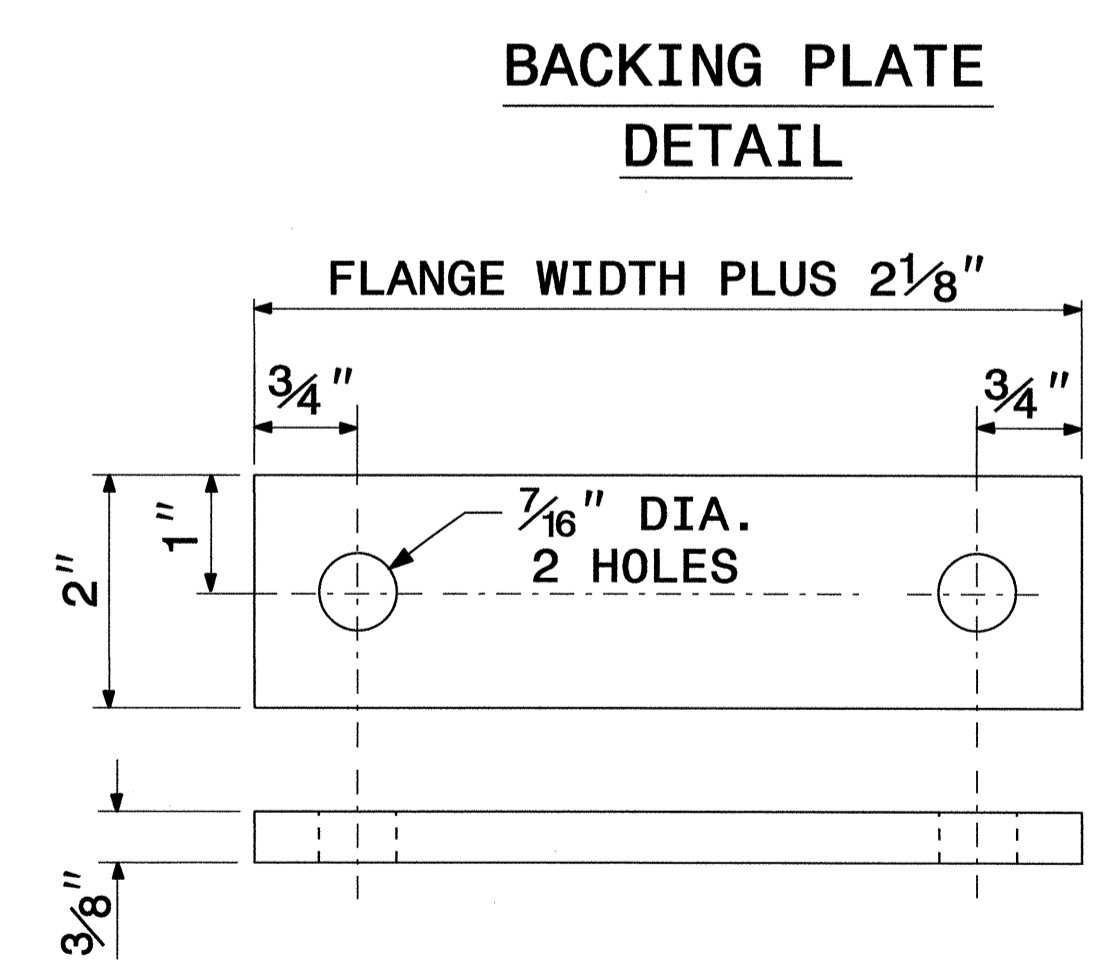
APPROVED: _____
 DATE: _____



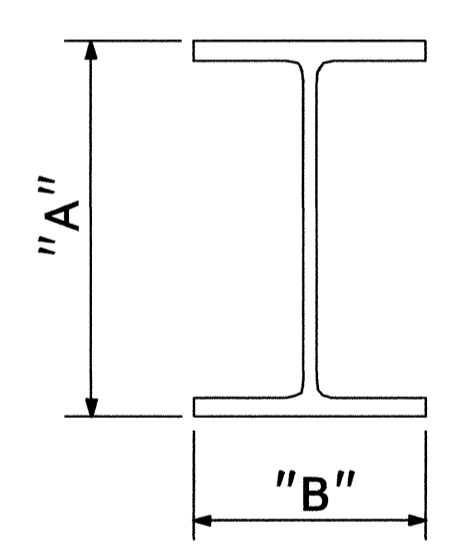
SUPPORT MOUNTING DETAIL



ALTERNATIVE SUPPORT MOUNTING DETAIL



BACKING PLATE DETAIL

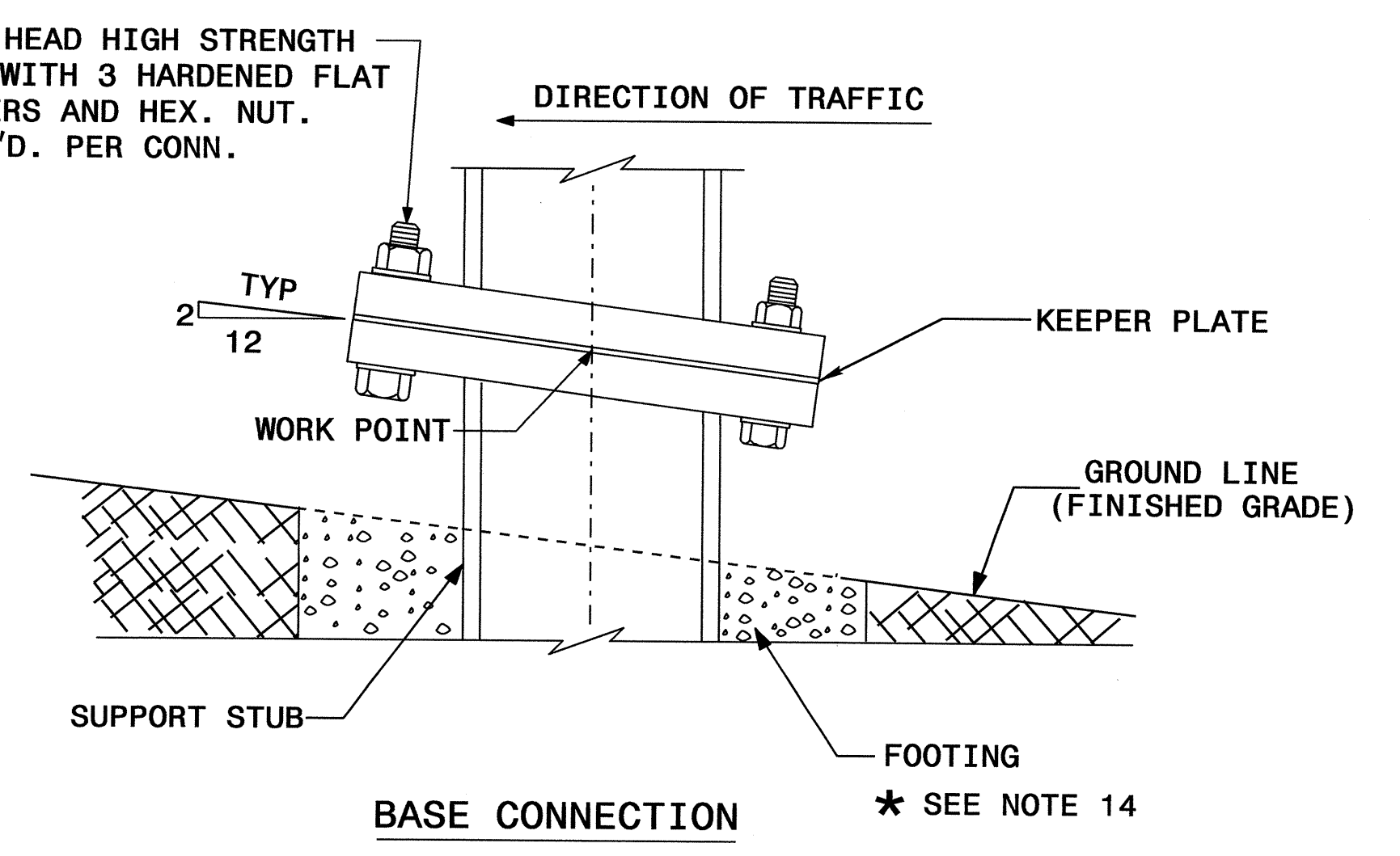
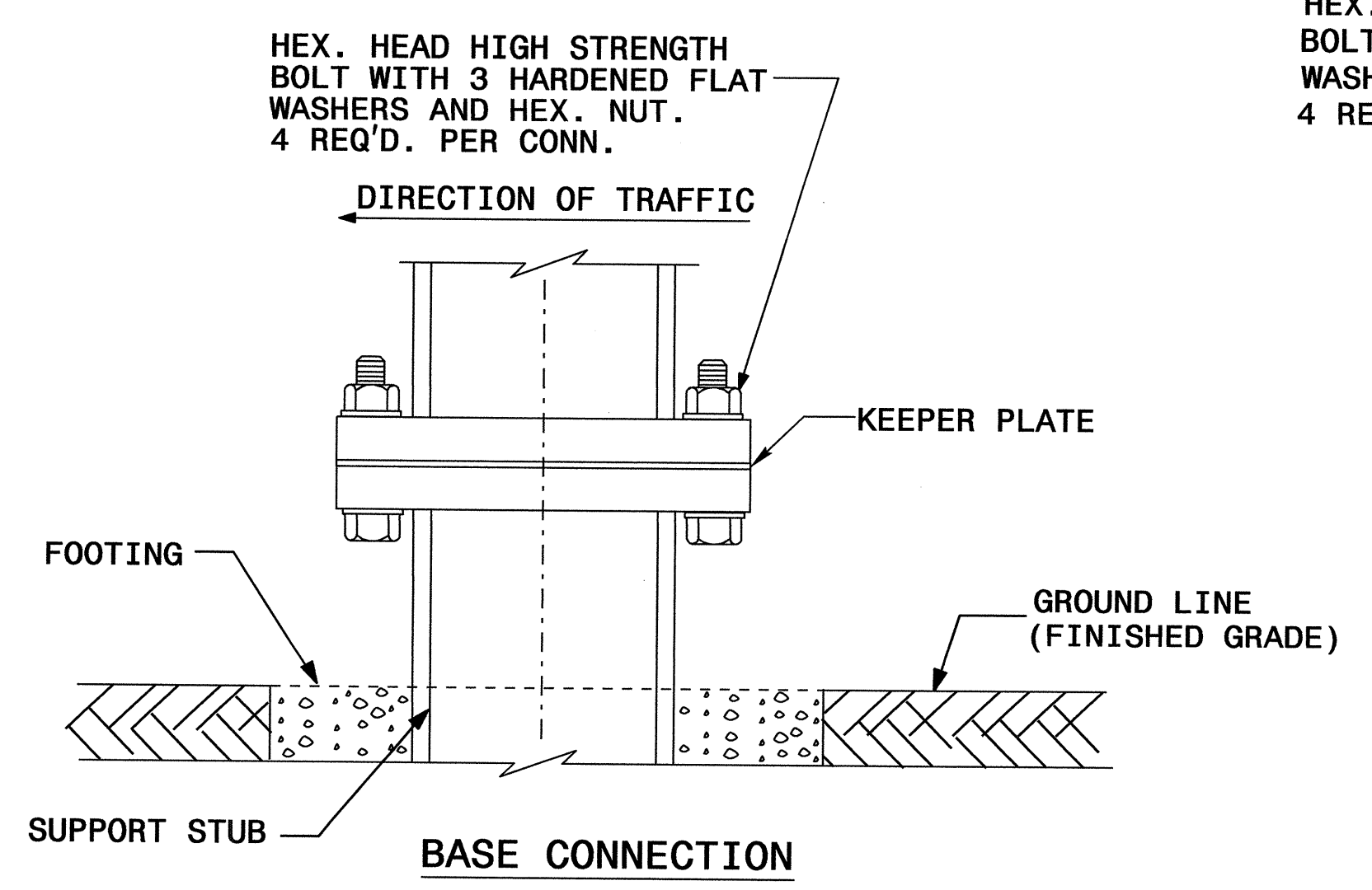
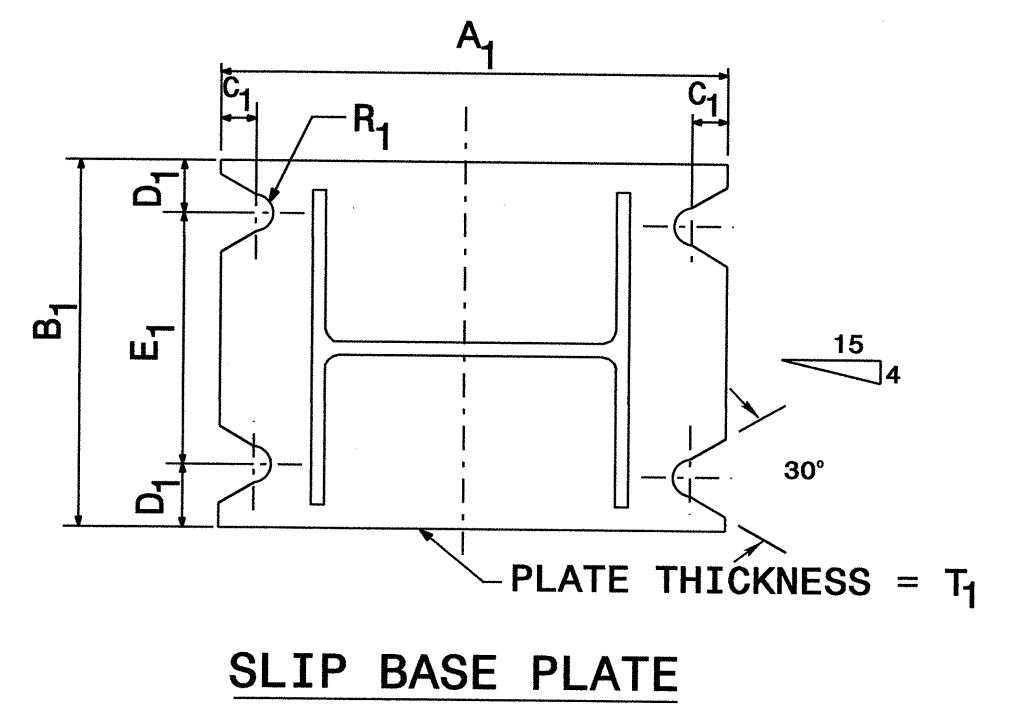
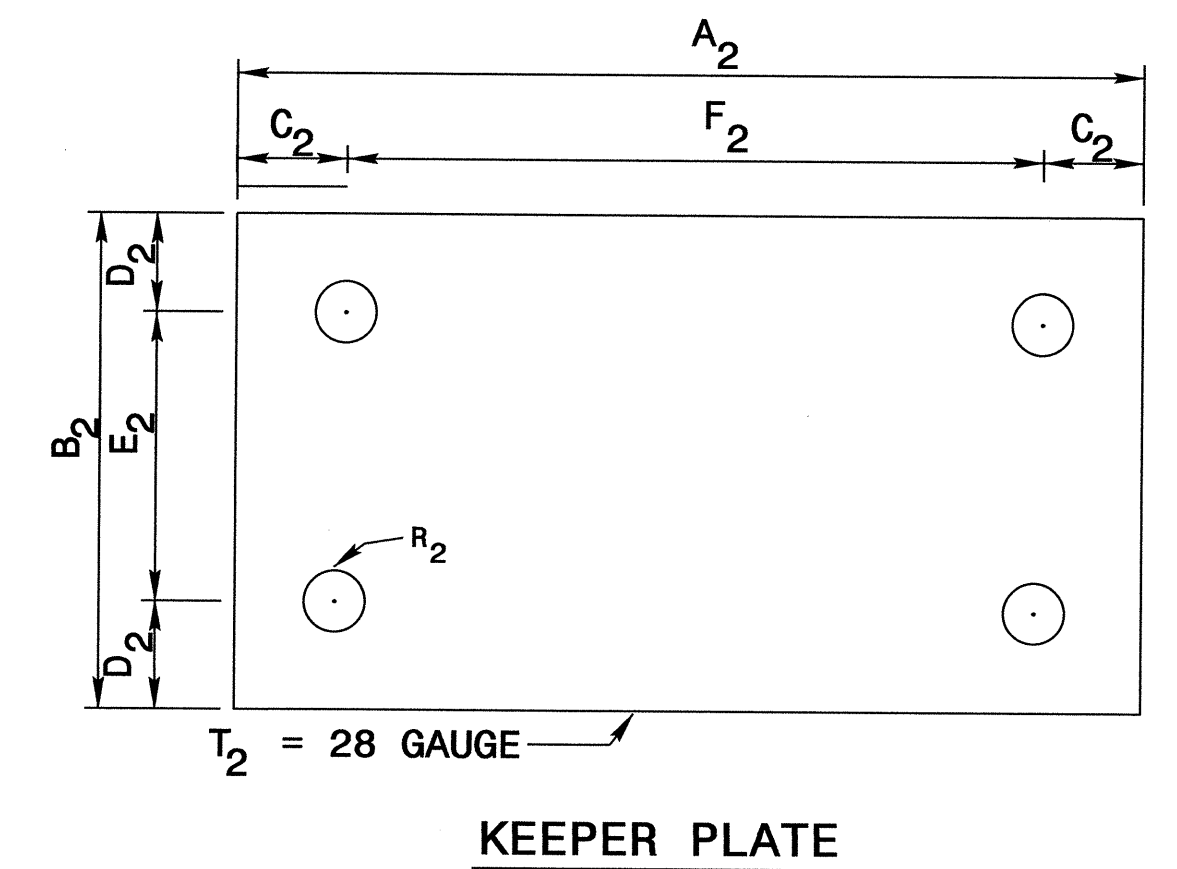
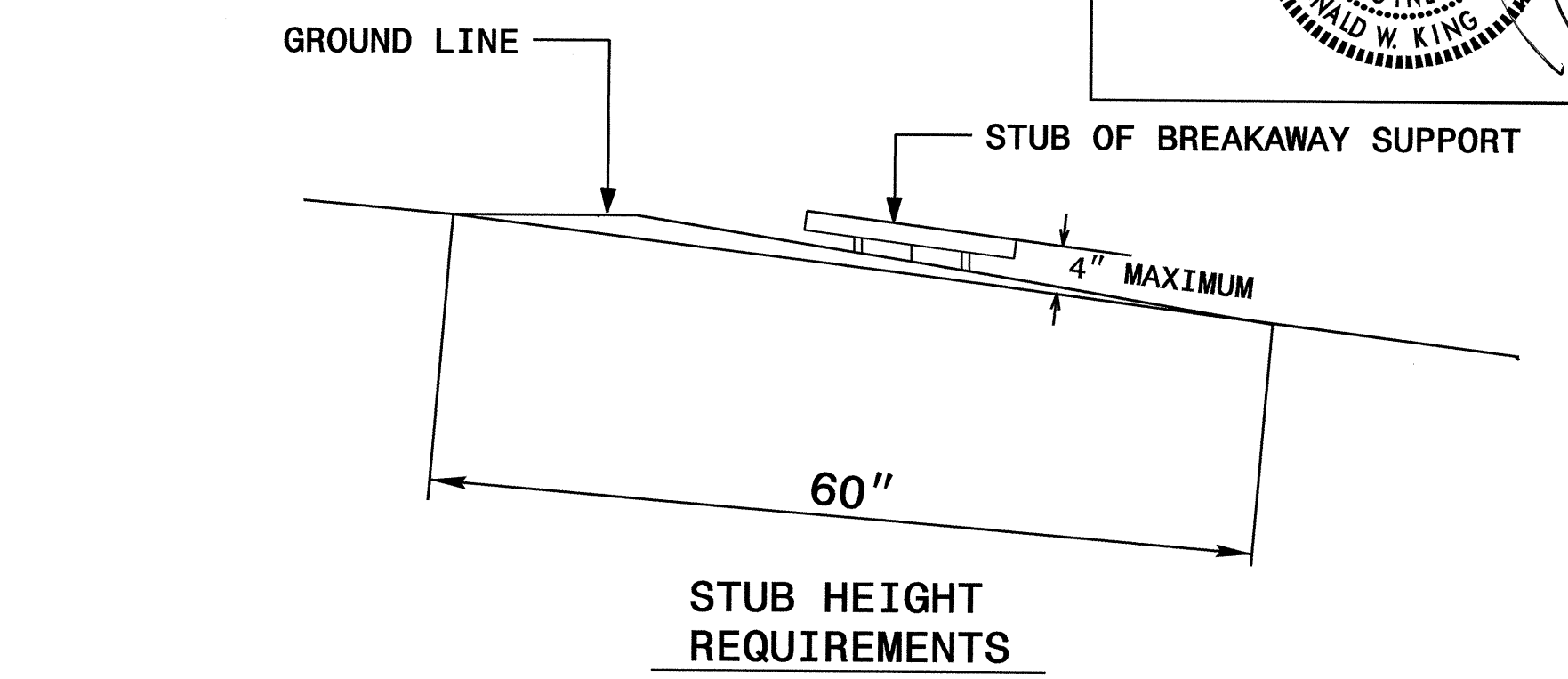
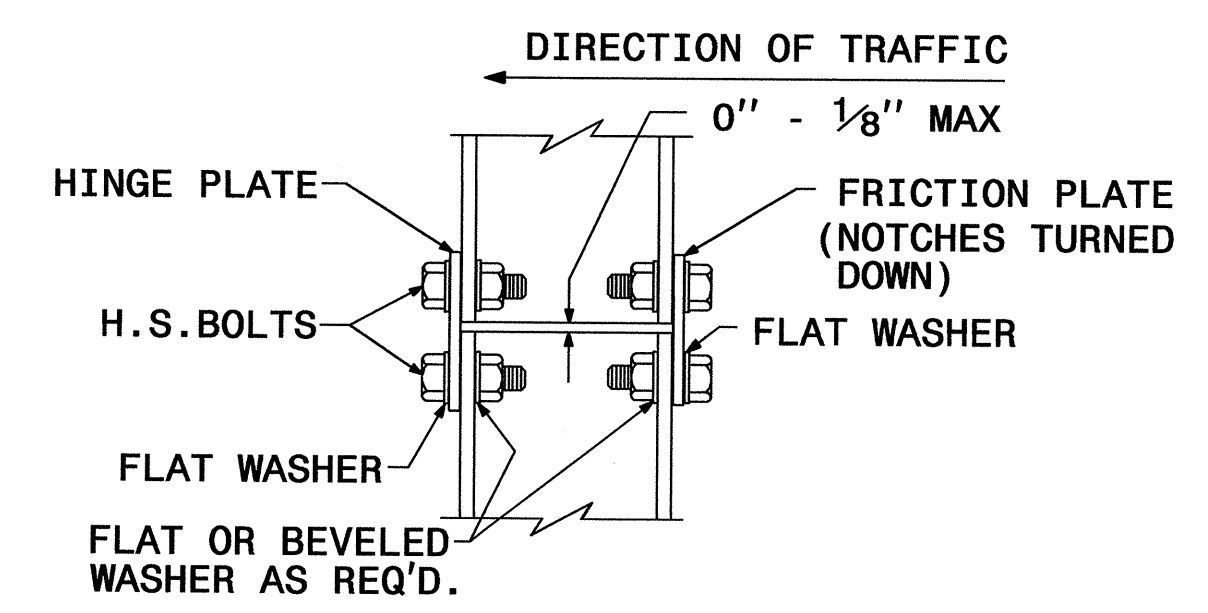
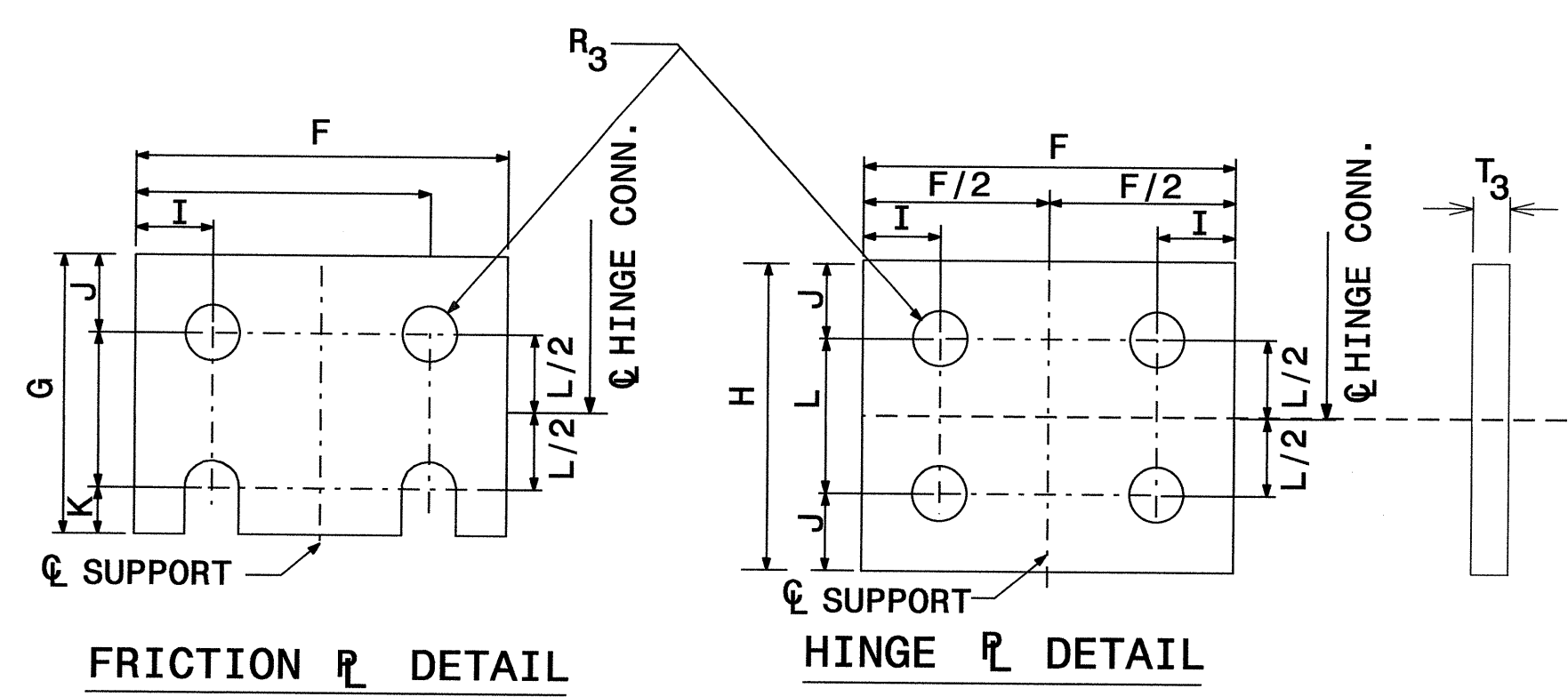
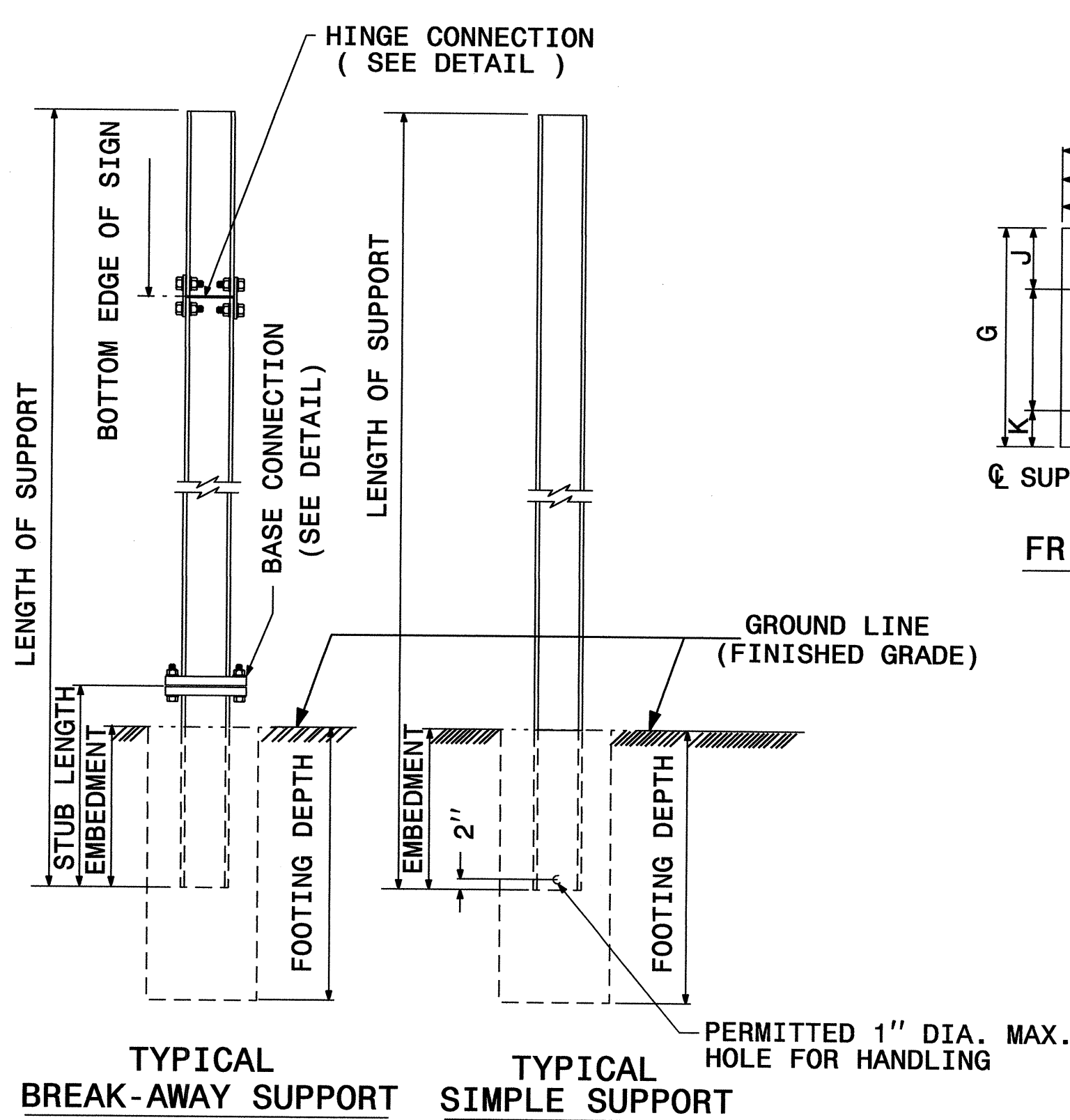
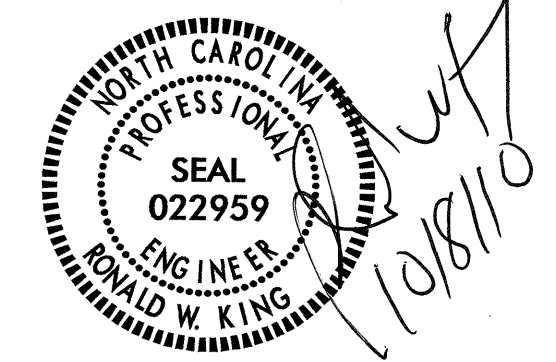


SIGN SUPPORTS SECTION DIMENSIONS

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

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

SIGN MOUNTING DETAILS



SEE SHEET SIGN-6 FOR DIMENSIONS.
SEE SHEET SIGN-7 FOR NOTES.

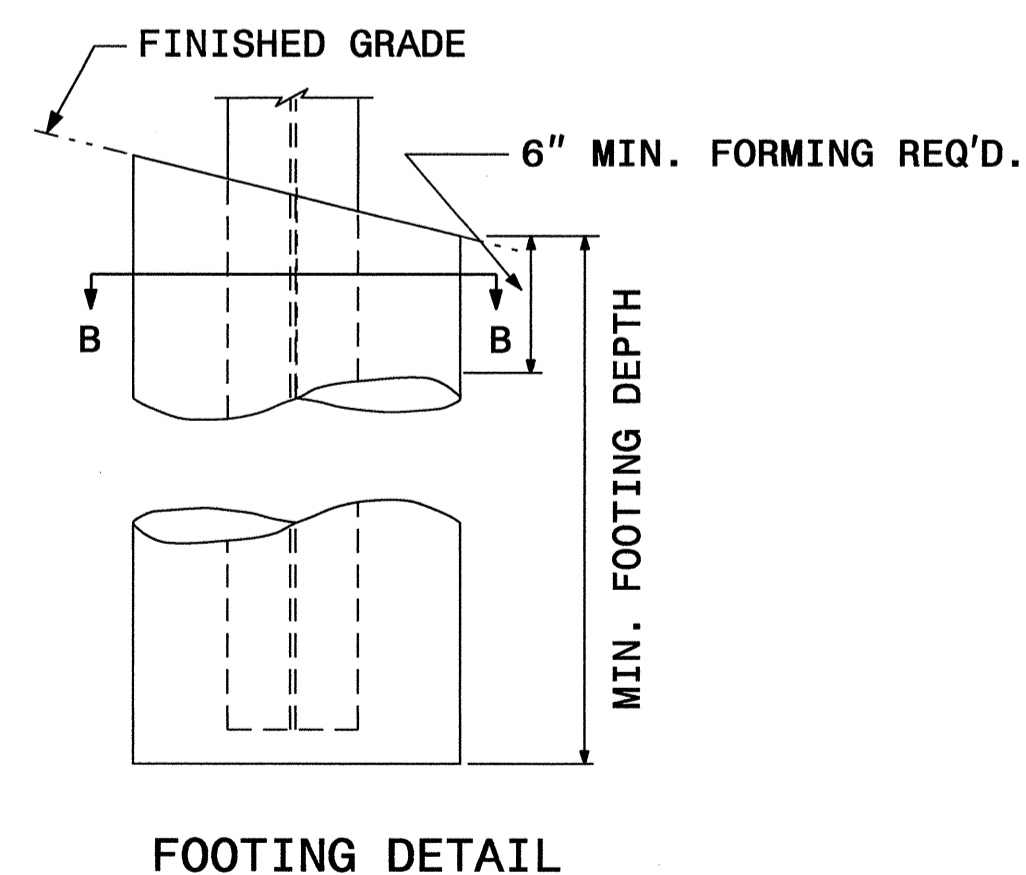
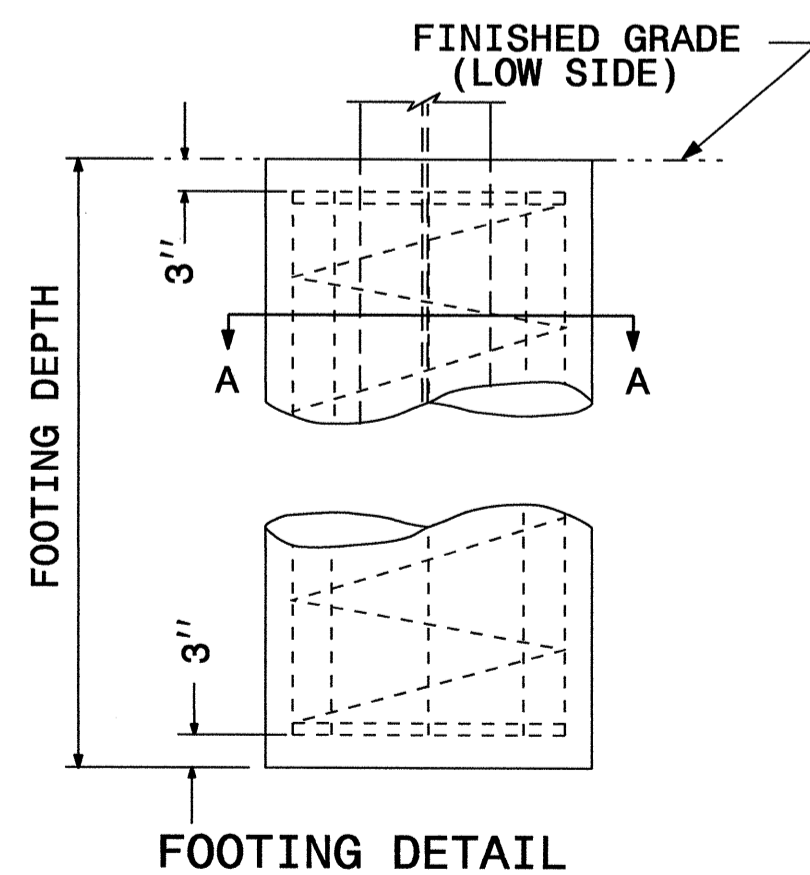
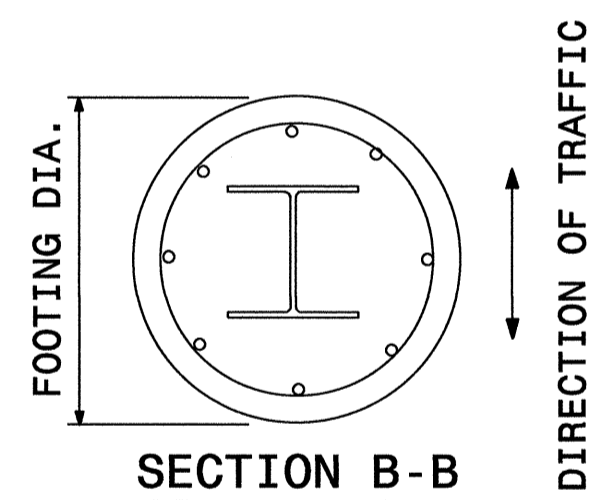
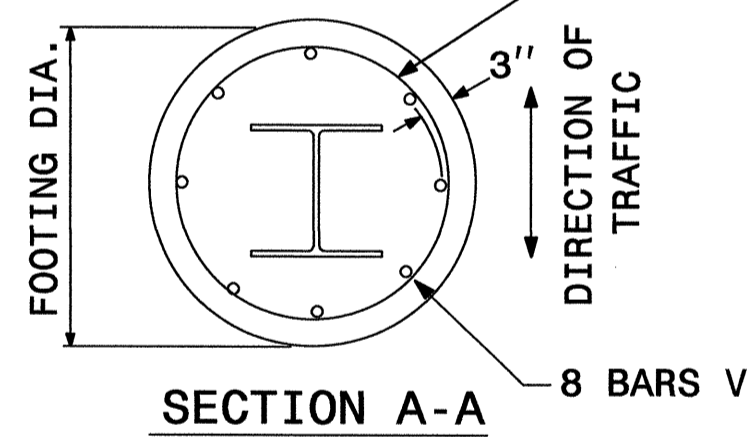
GROUND MOUNTED SIGN SUPPORT

07-OCT-2010 18:08
 P:\TIP-objects\RR2417AA\Traffic\Signing\CADD\Quantities & GM Signs\Engseed.dgn
 rhennein AT TE247534

TIP NO. R-2417AA	SHEET NO. SIGN-2C
APPROVED: _____	
DATE: _____	
SEAL	

BEAM SHAPE	SLIP BASE PLATE DATA								KEEPER PLATE DATA								HINGE CONNECTION DATA								BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.	
	BOLT SIZE	A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K	L	R ₃		T ₃
S3X5.7	1/2"DIA.X 3"	7"	4"	1"	3/4"	2 1/2"	1"	9/32"	7"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA.X1 1/4"	2 1/4"	3 1/2"	4"	1 1/2"	1"	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"	9/32"	8"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA.X1 1/4"	2 5/8"	3 1/2"	4"	1 1/2"	1"	1 1/2"	2"	9/32"	3/8"	20
W6X9	1/2"DIA.X 3"	10"	5"	1"	3/4"	3 1/2"	1"	9/32"	10"	5"	1"	3/4"	3 1/2"	9/32"	28 GAUGE	1/2"DIA.X1 1/4"	4"	3 1/2"	4"	3/4"	1"	1 1/2"	2"	9/32"	3/8"	32
W6X12	5/8"DIA.X3 3/4"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	1 1/32"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/32"	28 GAUGE	5/8"DIA.X2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	3/8"	39
W6X16	5/8"DIA.X3 3/4"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	1 1/32"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/32"	28 GAUGE	5/8"DIA.X2 1/2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	47
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"	1 1/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/32"	28 GAUGE	5/8"DIA.X2 1/2"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	70
W8X21	3/4"DIA.X 4 1/4"	14"	7"	1 1/2"	1"	5"	1 1/2"	1 3/32"	14"	7"	1 1/2"	1"	5"	1 3/32"	28 GAUGE	3/4"DIA.X2 3/4"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	73
W10X22	3/4"DIA.X 4 1/4"	16"	8"	1 1/2"	1"	6"	1 1/2"	1 3/32"	16"	8"	1 1/2"	1"	6"	1 3/32"	28 GAUGE	3/4"DIA.X2 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.X4 3/4"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	1 3/32"	16 1/2"	8"	1 1/2"	1"	6"	1 3/32"	28 GAUGE	3/4"DIA.X2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	140
W12X26	3/4"DIA.X4 3/4"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	1 3/32"	18 1/2"	9"	1 1/2"	1"	7"	1 3/32"	28 GAUGE	3/4"DIA.X2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	176
W14X30	1"DIA.X 5"	22"	9"	2"	1 1/2"	6"	2"	1 7/32"	22"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	5/8"	205
W16X31	1"DIA.X 5"	24"	9"	2"	1 1/2"	6"	2"	1 7/32"	24"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X3 1/4"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	223
W18X35	1"DIA.X 5"	25"	9"	2"	1 1/2"	6"	2"	1 7/32"	25"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X3 1/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	243
W18X40	1"DIA.X5 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	1 7/32"	26"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X3 3/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	278
W21X44	1"DIA.X5 1/2"	29"	9"	2"	1 1/2"	6"	2 1/2"	1 7/32"	29"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X3 3/4"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	310

2" FLAT TURNS
TOP AND BOTTOM
(SEE NOTE 10)



FOUNDATION DATA *		
FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR
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-7 FOR NOTES.

GROUND MOUNTED SIGN SUPPORT

TIP NO.	SHEET NO.
R-2417AA	SIGN-2D
APPROVED: _____	
DATE: _____	
SEAL	



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 SO AS TO INSURE NO LOSS OF STRENGTH. ASSEMBLE IN EITHER SHOP OR FIELD. 28 GAUGE KEEPER PLATE IS PLACED BETWEEN SLIP BASE PLATES TO PREVENT BOLT SLIPPING. TIGHTEN BOLTS TO THE FOLLOWING PRESCRIBED TORQUE:

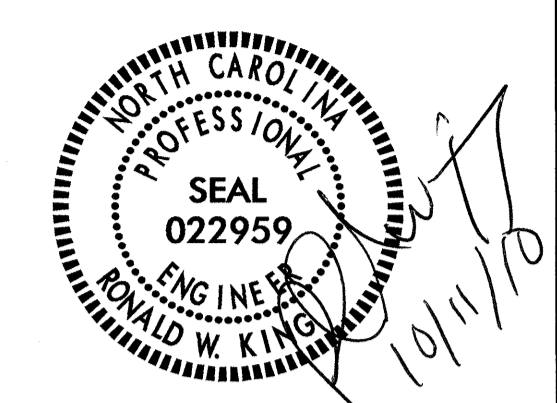
BOLT DIAMETER	TORQUE (LB. FT.)
1/2"	9
5/8"	22
3/8"	37
1"	48

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

- 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.
- FORM TOP 6" OF FOOTINGS. ENGINEER APPROVES THE METHOD USED.
- 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.
- 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 7 FEET, THE SIGN FOUNDATION MUST BE REDESIGNED BASED UPON THE ACTUAL FIELD CONDITIONS. THE FOUNDATION DESIGN DOES NOT APPLY TO VERY SOFT OR LOOSE SOIL, MUCK, WEATHERED ROCK, OR HARD ROCK.

GROUND MOUNTED SIGN SUPPORT

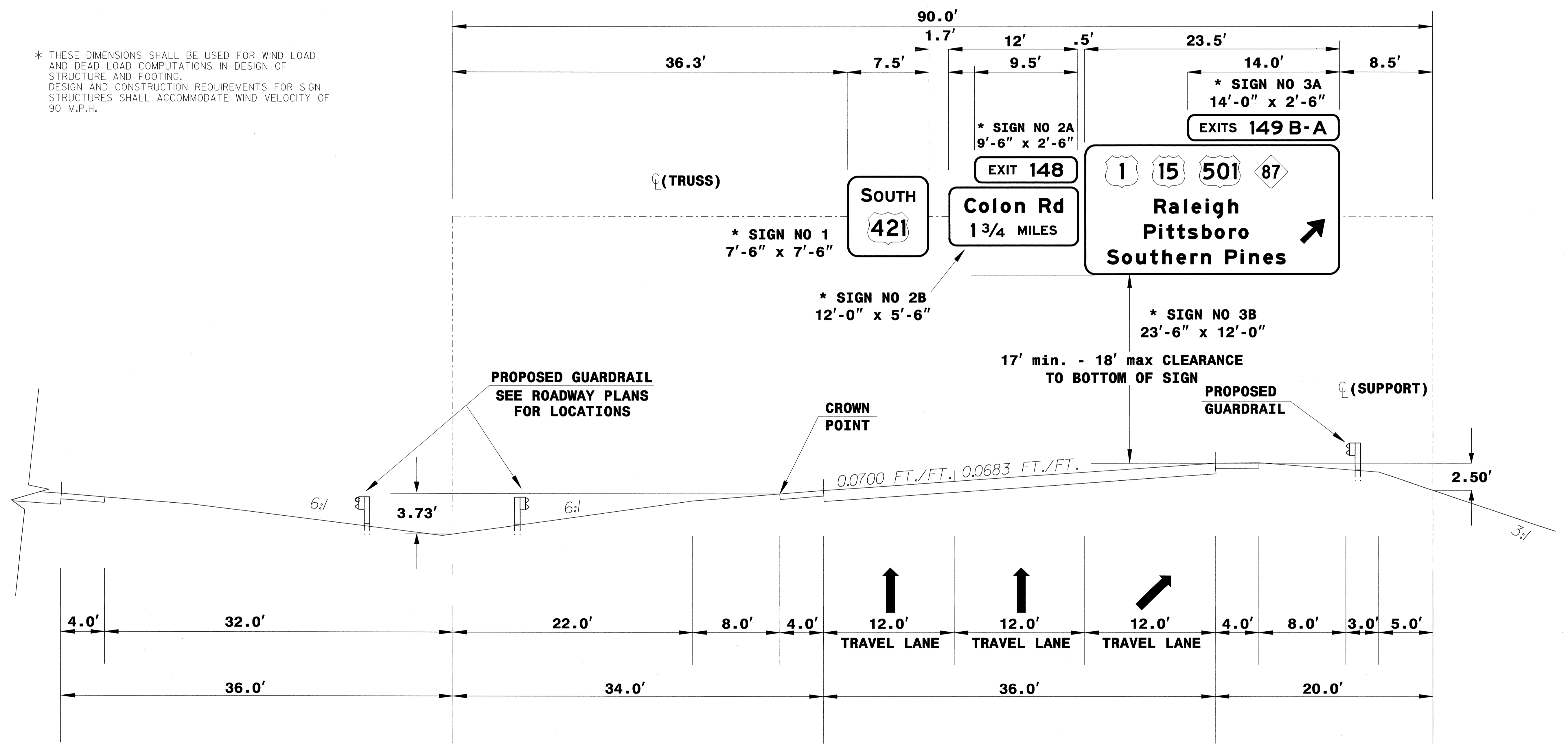
07-OCT-2010 18:08
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 chenr AT TE247534



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 6" AND NOT MORE THAN 24" 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 FOOTING. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.



OVERHEAD ASSEMBLY 'A'
STA 227+36 (US 421)
SBL

I:\OCT-200 15z27
 P:\TIP\Projects\2417AA\Traffic\Signing\CADD\Overheads\R-2417-AA-C-Overhead.A.dgn
 windbrew AT 11/24/10

APPROVED: _____

DATE: _____

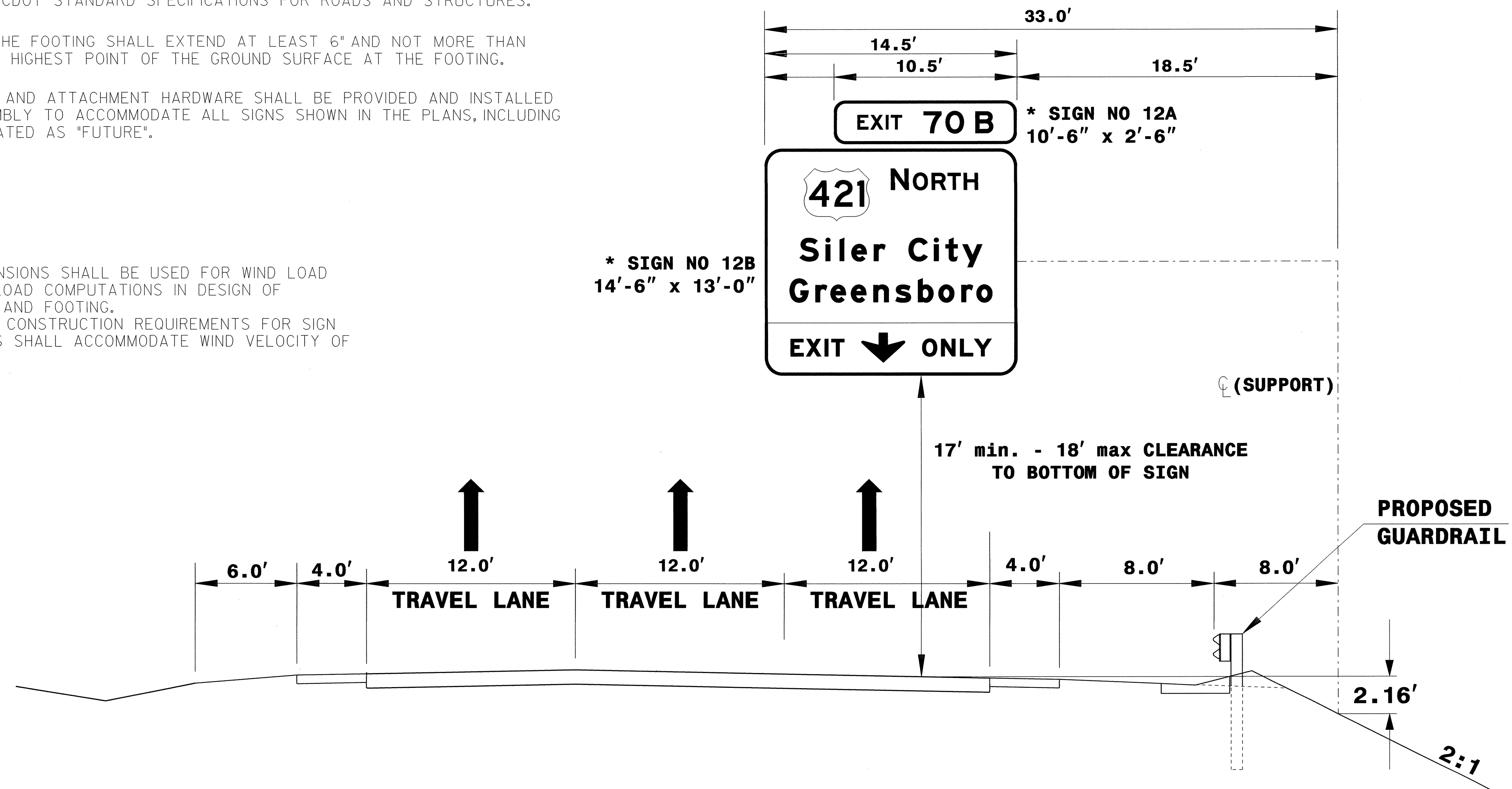
SEAL



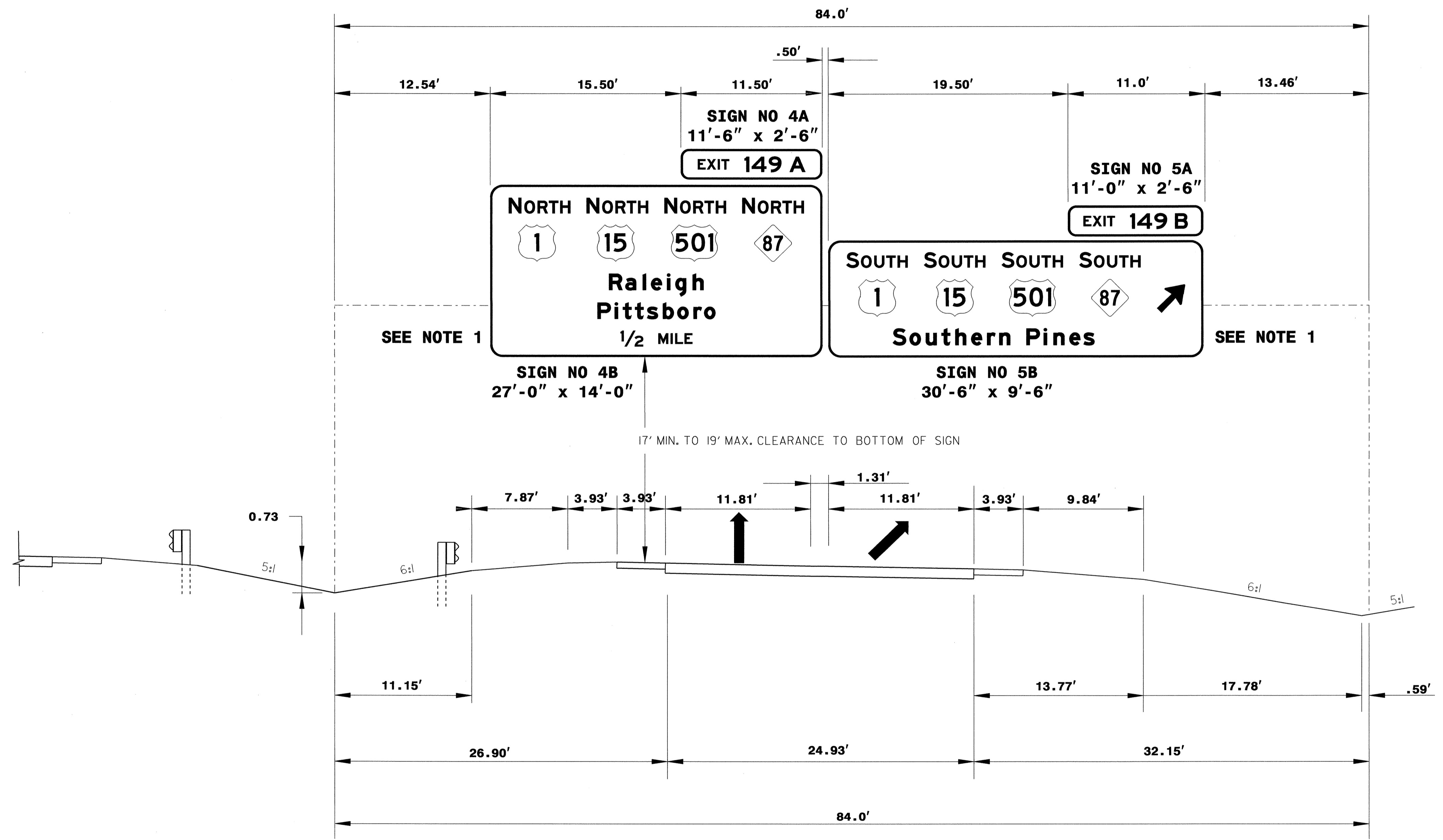
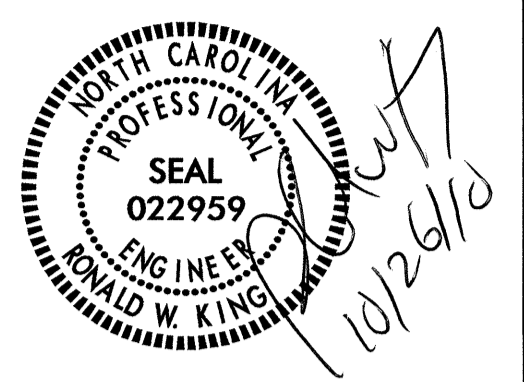
NOTES:

- 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 6" AND NOT MORE THAN 24" 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 FOOTING. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.



OVERHEAD ASSEMBLY 'B'
 STA. 17+39 (US 15 /501 SBL)
 (METRIC STA. FROM R-2417AB)

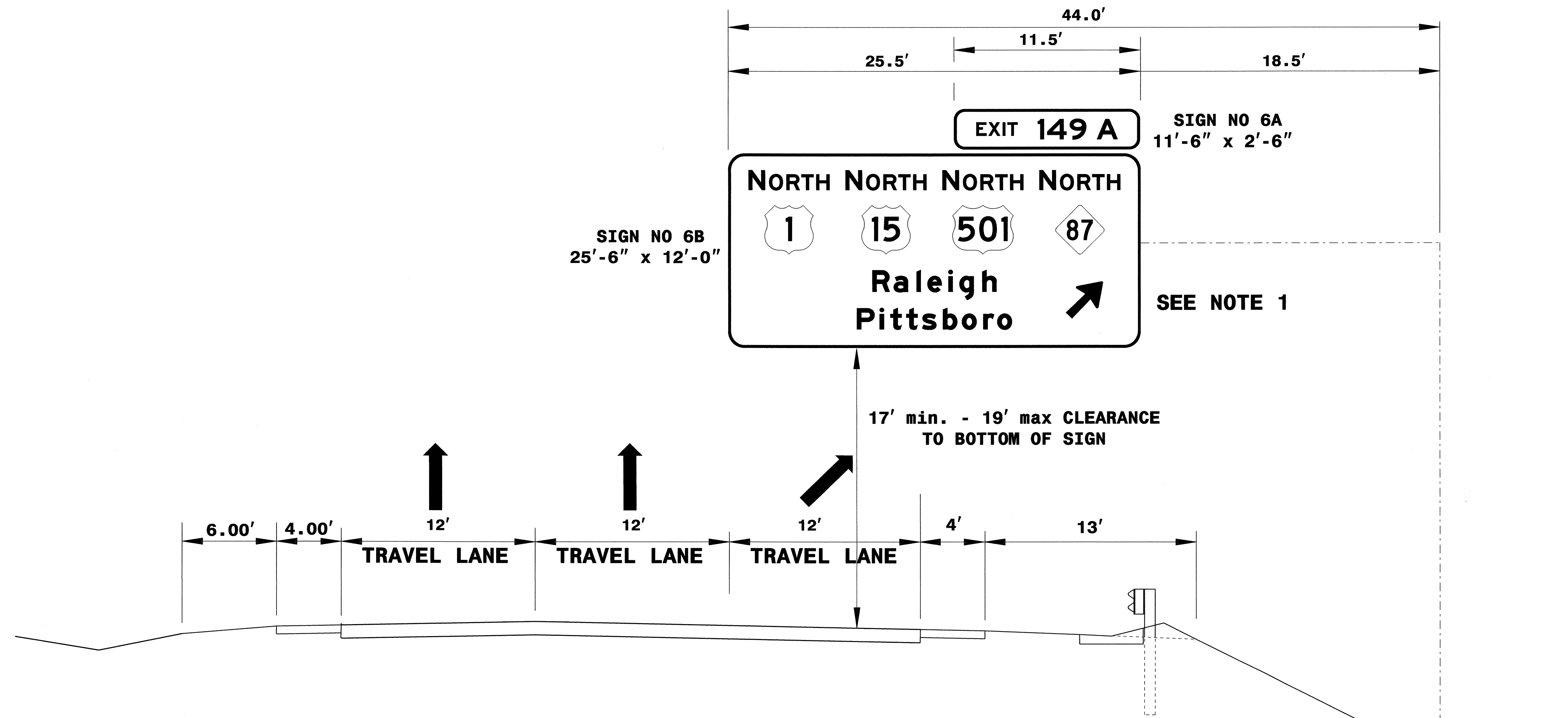
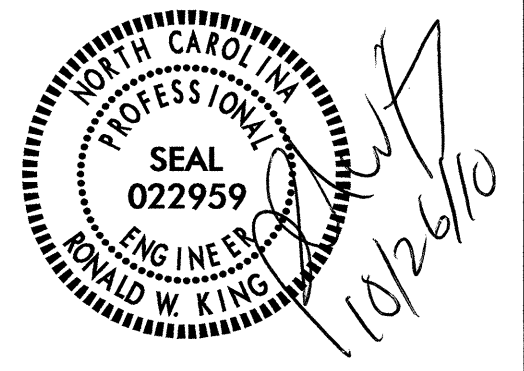


EXISTING OVERHEAD ASSEMBLY 'AA'
 STA. 73+60 (US 421)
 NBL

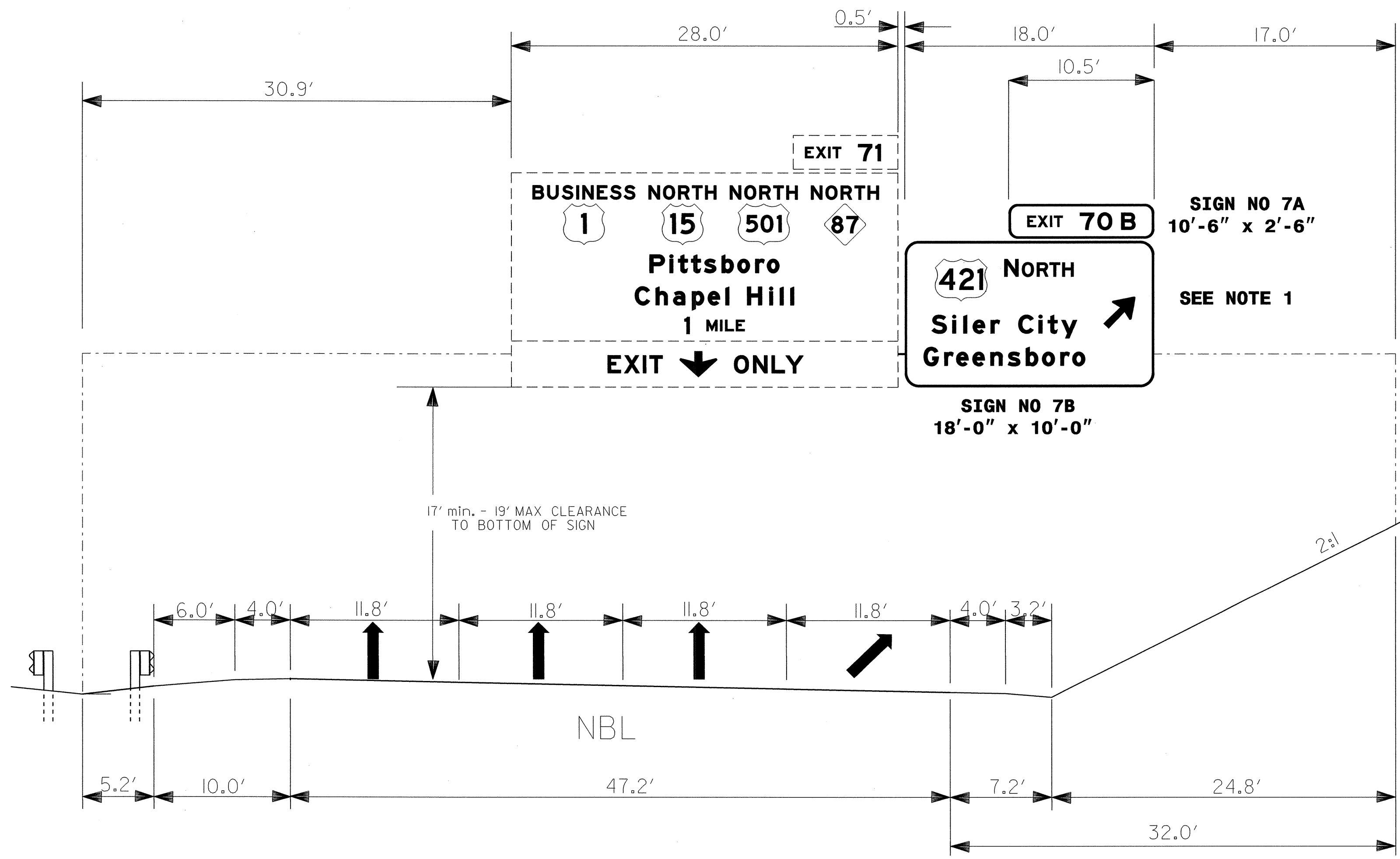
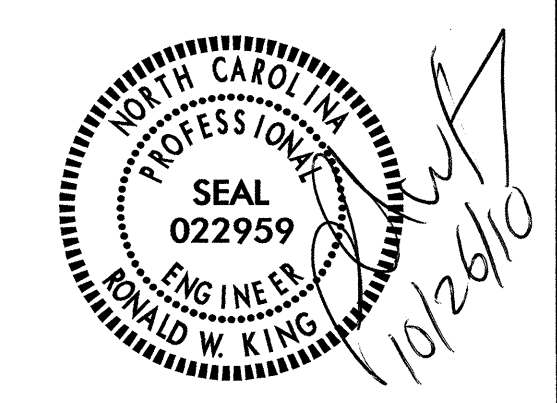
APPROVED: _____

DATE: _____

SEAL



EXISTING OVERHEAD ASSEMBLY 'BB'
STA. 79+80 (US 421)
(SBL)



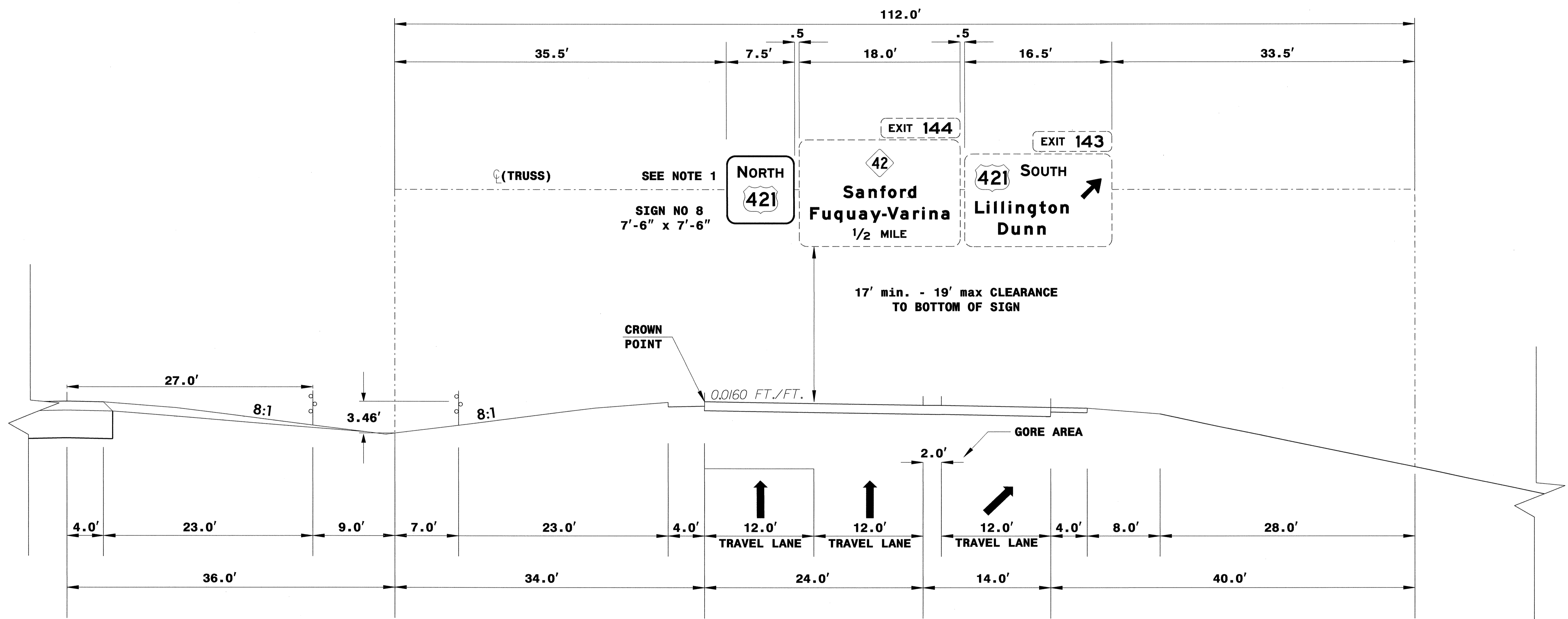
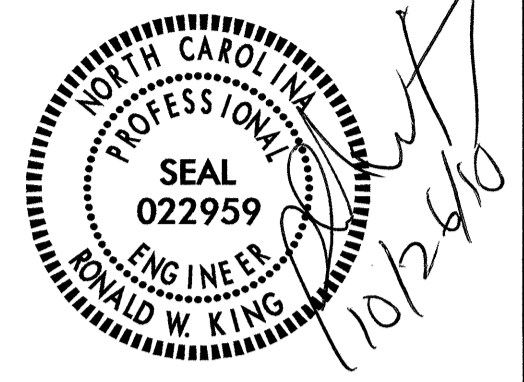
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 Pherrin HT 10/24/10

EXISTING OVERHEAD ASSEMBLY 'CC'
STA. 27+84 (US 1)
NBL

APPROVED: _____

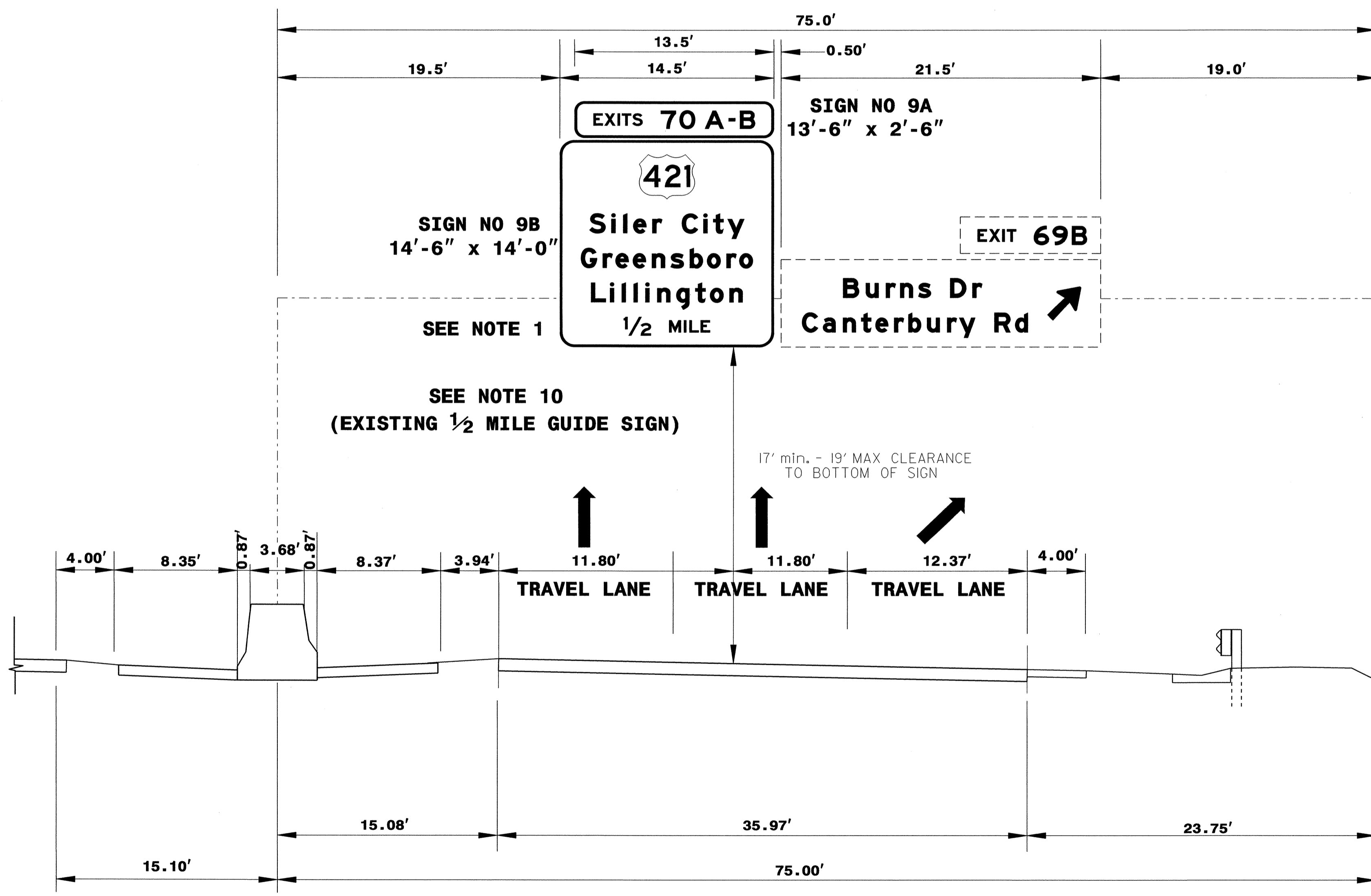
DATE: _____

SEAL



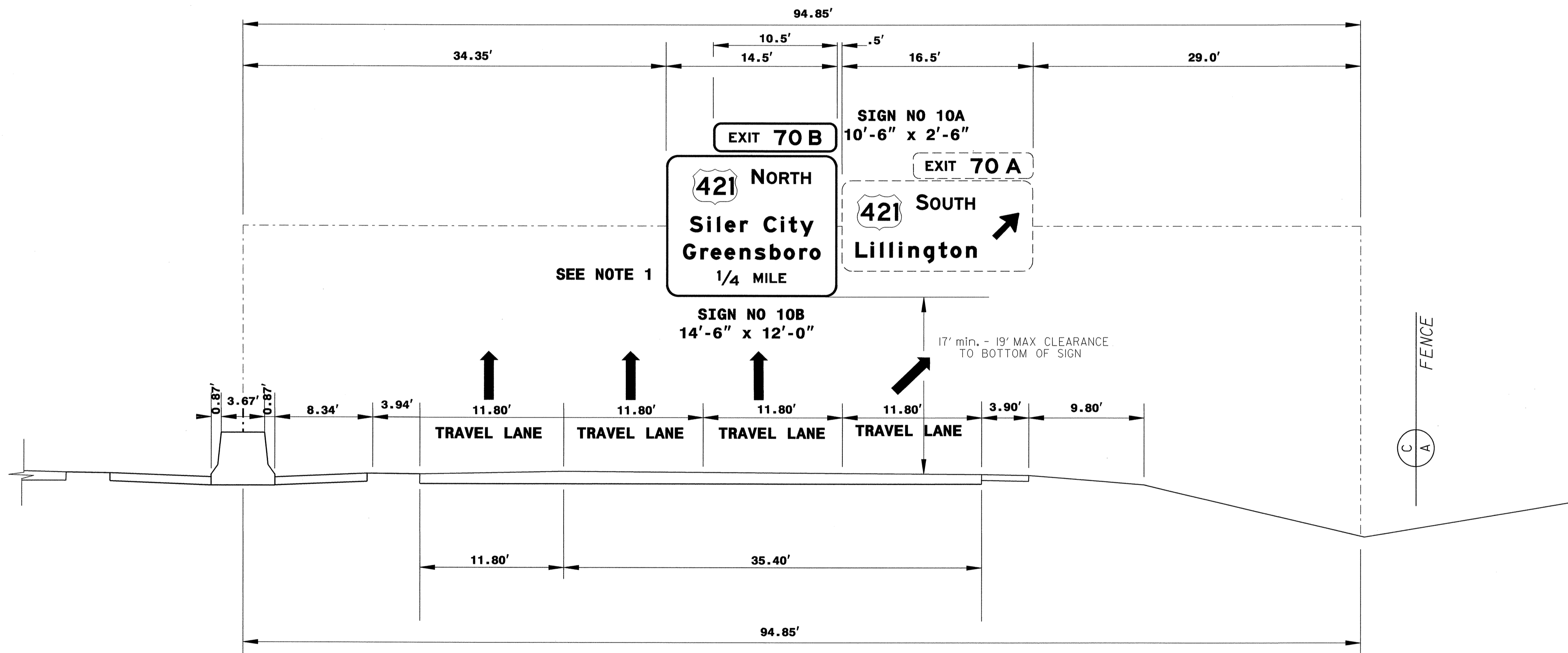
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 P:\TIP-Proj\2417AA\Traffic\Signing\CADD\Overheads\2417_AA_C_Overhead_A.dgn
 Phemem HI TE247534

EXISTING OVERHEAD ASSEMBLY 'DD'
 STA 632+00 (US 421)
 NBL



EXISTING OVERHEAD ASSEMBLY 'EE'
 STA. 43+43 (US 1)
 NBL

TIP NO. R-2417AA	SHEET NO. SIGN-3G
APPROVED: _____	
DATE: _____	
SEAL	



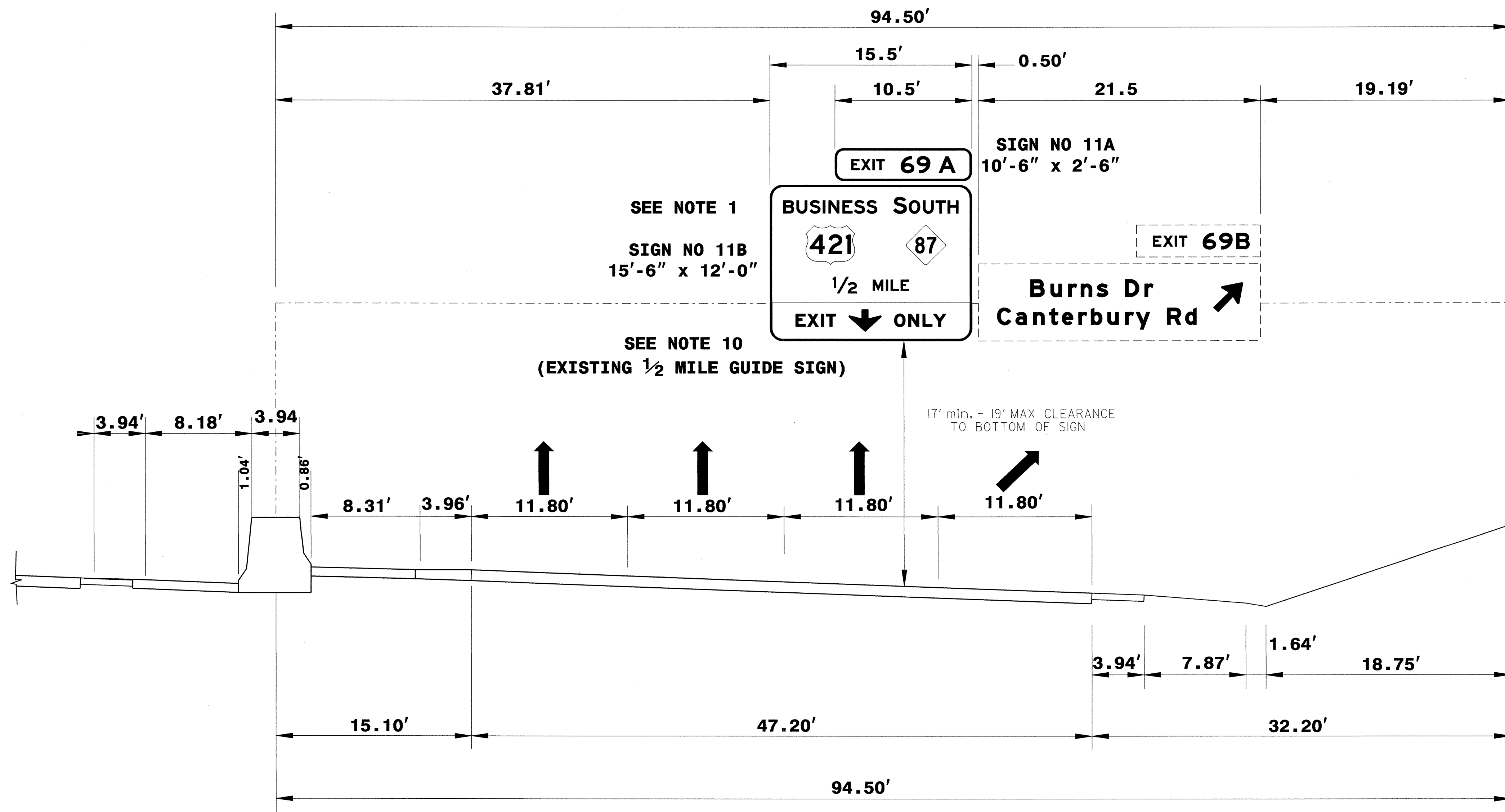
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 rhennein AT 12/24/10

EXISTING OVERHEAD ASSEMBLY 'FF'
STA 32+80 (US 1)
NBL

APPROVED: _____

DATE: _____

SEAL

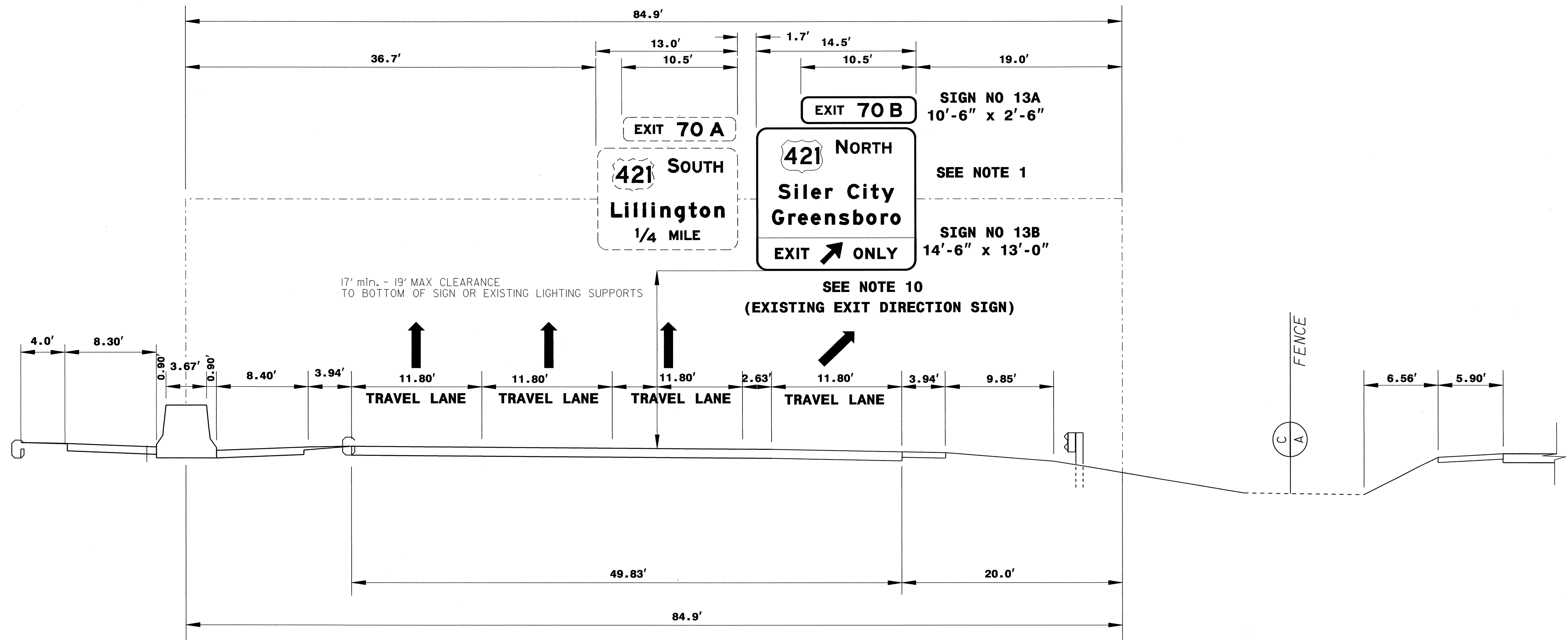


EXISTING OVERHEAD ASSEMBLY 'GG'
 STA. 36+00 (US 1)
 SBL

APPROVED: _____

DATE: _____

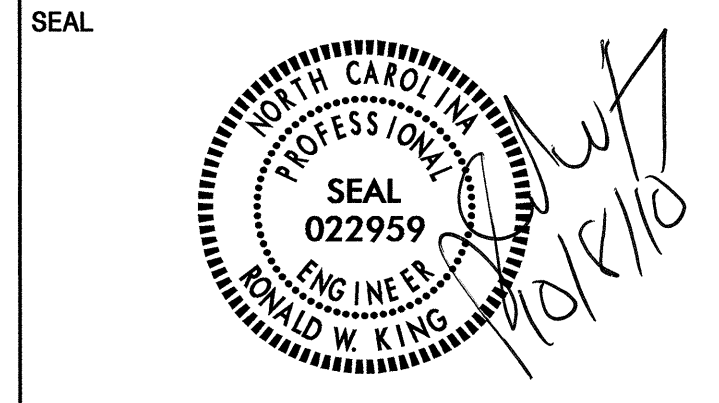
SEAL



EXISTING OVERHEAD ASSEMBLY 'HH'
STA. 21+60 (US 1)
SBL

APPROVED: _____

DATE: _____



SIGN NUMBER: 1
TYPE: A
QUANTITY: 1
SIGN WIDTH: 90"
HEIGHT: 90"
TOTAL AREA: 56.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 82.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1 4	22.5	13.8	45	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDDeBrew
DIV: 8
DATE: Sep 16, 2010

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	S	O	U	T	H	Series/Size	Text Length
	15.1	12.2	2.2	12.8	11.8	E 2000	59.8

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 144"
HEIGHT: 66"
TOTAL AREA: 66.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 2
LENGTH: 136.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
--------	---	---	-----	----

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDDeBrew
DIV: 8
DATE: Sep 15, 2010

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	C	o	l	o	n	R	d	Series/Size	Text Length
	17.6	16	15.8	8.2	15.8	10.6	16	EM 2000	108.8
Letter	1	3/4	M	I	L	E	S	Series/Size	Text Length
	24.7	4.5	7.5	25	15	12	4.4	E 2000	94.6

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2A
TYPE: B
QUANTITY: 1
SIGN WIDTH: 114"
HEIGHT: 30"
TOTAL AREA: 23.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 8"
NO. Z BARS: 2
LENGTH: 106.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
--------	---	---	-----	----

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDDeBrew
DIV: 8
DATE: Aug 11, 2010

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	E	X	I	T	1	4	8	Series/Size	Text Length
	16.3	8.9	10.7	3.5	7.5	15	7.1	E 2000	81.5

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 3A
TYPE: A
QUANTITY: 1
SIGN WIDTH: 168"
HEIGHT: 30"
TOTAL AREA: 35.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 8"
NO. Z BARS: 2
LENGTH: 160.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
--------	---	---	-----	----

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDDeBrew
DIV: 8
DATE: Aug 11, 2010

Spacing Factor is 1 unless specified otherwise

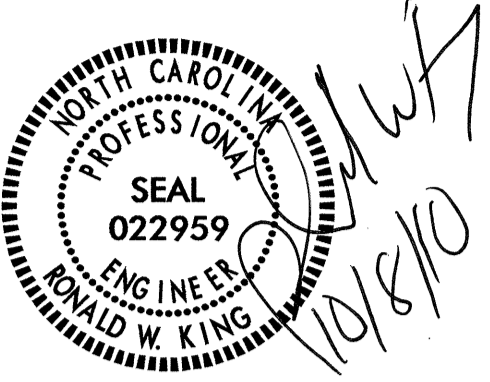
LETTER POSITIONS

Letter spacings are to start of next letter

Letter	E	X	I	T	S	1	4	9	B	-	A	Series/Size	Text Length			
	14.3	8.9	10.7	3.5	8.6	8.1	7.1	16.7	12.2	8	12.1	4	5.2	4	15.3	139.3

NORTH CAROLINA D.O.T. SIGN DETAIL

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

APPROVED: _____
 DATE: _____
 SEAL


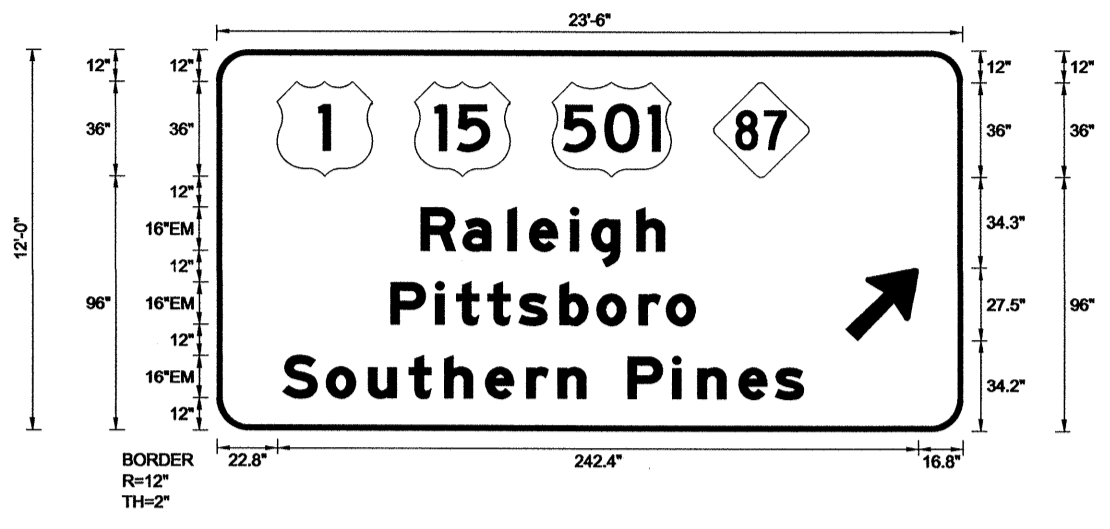
SIGN NUMBER: 3B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 282"
 HEIGHT: 144"
 TOTAL AREA: 282.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 274.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	22.8	96	36	36
M1_4	74.8	96	36	36
M1_4	126.8	96	45	36
M1-5-2-24-10C	187.8	96	36	36
ARMED	237.7	34.3	22.4	35.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 CHECKED BY: WMDDeBrew
 PROJECT ID: R-2417AA
 DIV: 8
 DATE: Sep 08, 2010



USE NOTES
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	R	a	l	e	i	g	h	Series/Size	Text Length
R a l e i g h	77.2	15.8	17	8.2	15.5	8.2	17	EM 2000	92.2
P i t t s b o r o	65.8	16.8	8	11.8	11.7	15.5	14.1	EM 2000	115
S o u t h e r n P i n e s	24.9	16.5	15.8	15.4	13.4	15.5	11.8	EM 2000	196.8

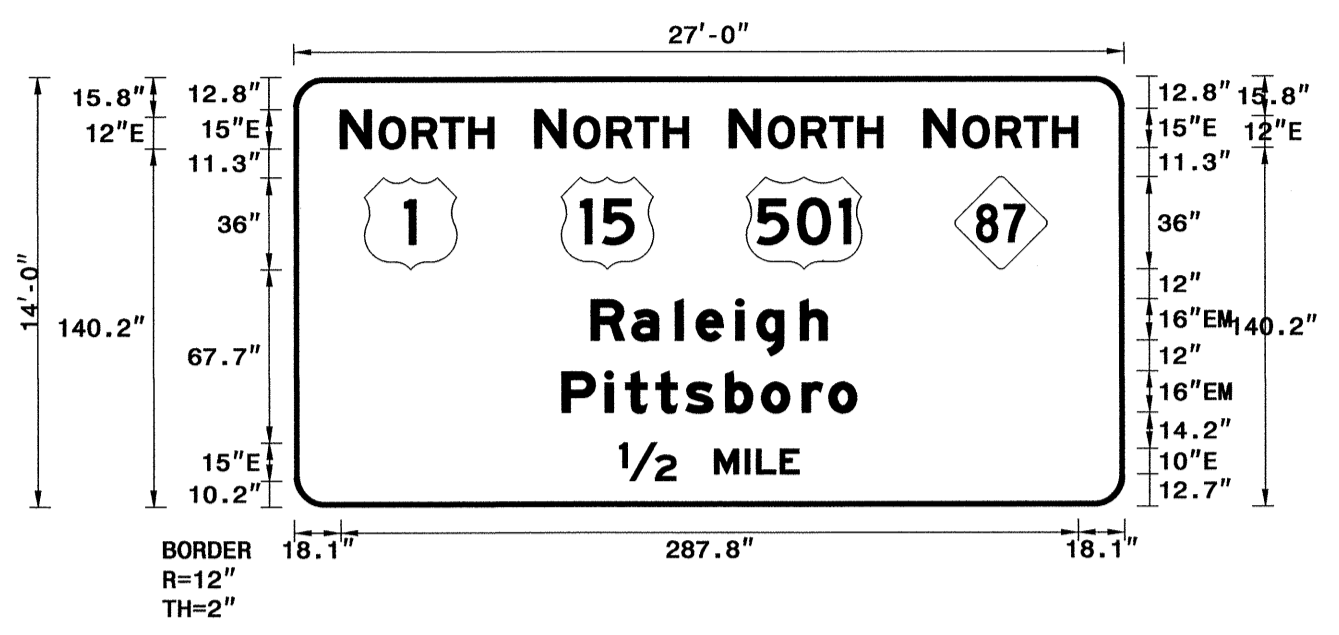
SIGN NUMBER: 4B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 324"
 HEIGHT: 168"
 TOTAL AREA: 378.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 4
 LENGTH: 316.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	30.1	93	36	36
M1_4	106	93	36	36
M1_4	177.5	93	45	36
M1-5-2-24-10C	257.9	93	36	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 CHECKED BY: WMDDeBrew
 PROJECT ID: R-2417AA
 DIV: 8
 DATE: Sep 15, 2010



USE NOTES
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	N	O	R	T	H	Series/Size	Text Length
N O R T H	18.1	12.2	3.1	12.8	11	EM 2000	59.9
R a l e i g h	94.1	12.2	3.1	12.8	11	EM 2000	59.9
P i t t s b o r o	170	12.2	3.1	12.8	11	E 2000	59.9
S o u t h e r n P i n e s	245.9	12.2	3.1	12.8	11	E 2000	59.9
R a l e i g h	115.9	15.8	17	8.2	15.5	EM 2000	92.2
P i t t s b o r o	104.5	16.8	8	11.8	11.7	EM 2000	115
1/2 M I L E	127	22	15	12	4.4	E 2000	70.1

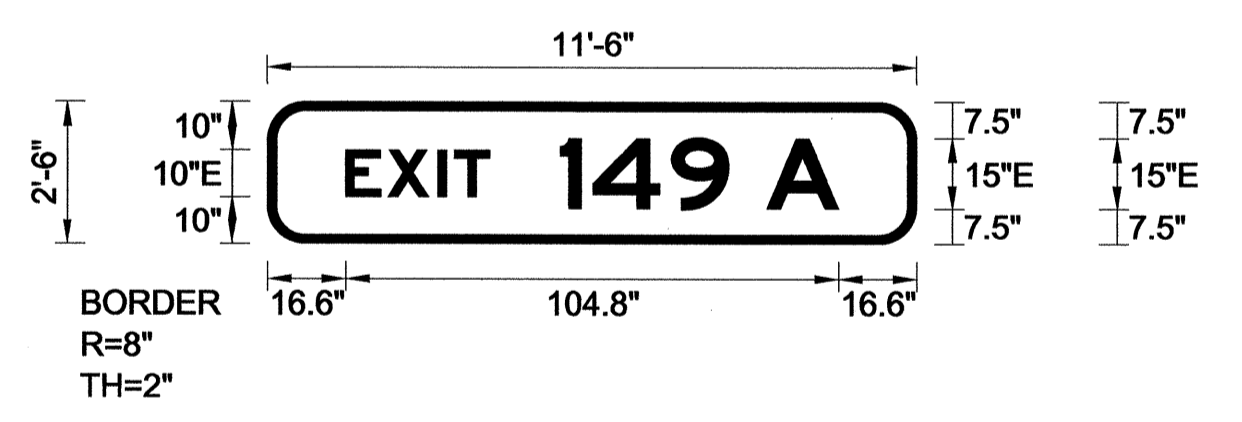
SIGN NUMBER: 4A,6A
 TYPE: B
 QUANTITY: 2
 SIGN WIDTH: 138"
 HEIGHT: 30"
 TOTAL AREA: 28.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 8"
 NO. Z BARS: 2
 LENGTH: 130.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 CHECKED BY: WMDDeBrew
 PROJECT ID: R-2417AA
 DIV: 8
 DATE: Sep 16, 2010



USE NOTES
 1. Legend and border(except those that are colored black) 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

Letter	E	X	I	T	1	4	9	A	Series/Size	Text Length
E X I T 1 4 9 A	16.6	8.9	10.7	3.5	7.5	15	7	16.6	E 2000	104.8

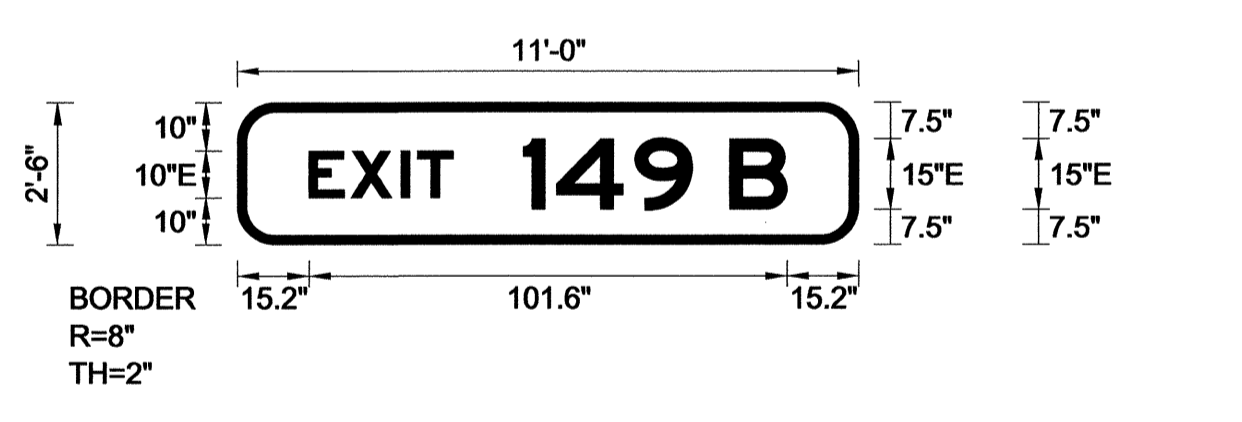
SIGN NUMBER: 5A
 TYPE: B
 QUANTITY: 1
 SIGN WIDTH: 132"
 HEIGHT: 30"
 TOTAL AREA: 27.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 8"
 NO. Z BARS: 2
 LENGTH: 124.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 CHECKED BY: WMDDeBrew
 PROJECT ID: R-2417AA
 DIV: 8
 DATE: Jul 29, 2010



USE NOTES
 1. Legend and border(except those that are colored black) 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

Letter	E	X	I	T	1	4	9	B	Series/Size	Text Length
E X I T 1 4 9 B	15.2	8.9	10.7	3.5	7.5	15	7	16.7	E 2000	101.6

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 P:\TIP-projects\52417AA\Traffic\Signing\CADD\Quantities & DM_Signs\Engseed.dgn
 R. Hennein AT 12/27/10

**TYPE "A" AND "B" SIGNS
 (OVERHEAD)**

APPROVED: _____

DATE: _____



SIGN NUMBER: 8	BACKG COLOR: Green
TYPE: A	COPY COLOR: White
QUANTITY: 1	
SIGN WIDTH: 90"	
HEIGHT: 90"	
TOTAL AREA: 56.3 Sq.Ft.	
BORDER TYPE: FLUSH	
RECESS: 0"	
WIDTH: 2"	
RADII: 12"	
NO. Z BARS: 3	
LENGTH: 82.0	

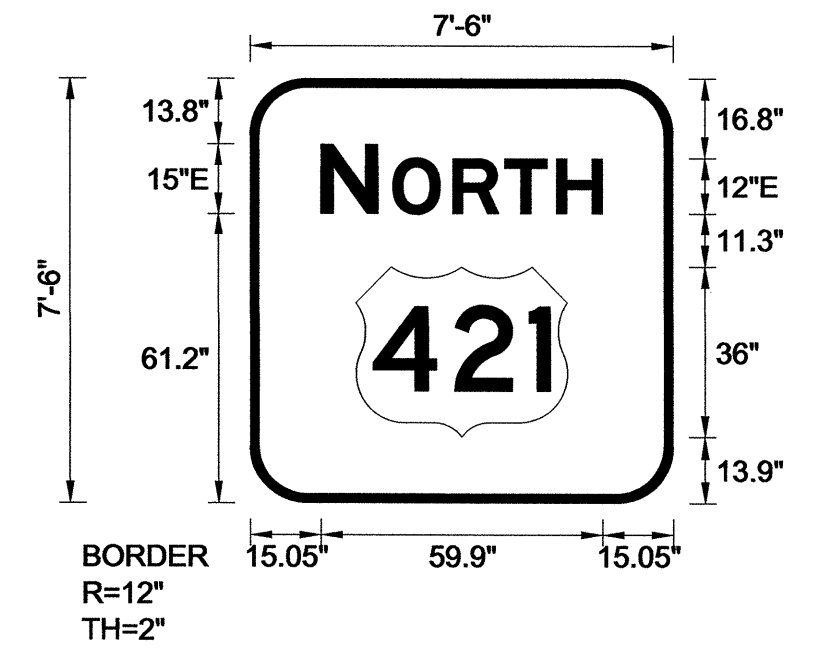
SYMBOL	X	Y	WID	HT
M1.4	22.5	13.8	45	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA

CHECKED BY: WMDewBrew
DIV: 8

DATE: Sep 21, 2010



Spacing Factor is 1 unless specified otherwise

- USE NOTES
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

	N	O	R	T	H		Series/Size		
							Text Length		
	15	12.2	3.1	12.8	11	11	9.7	15	E 2000
									59.9

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 9B	BACKG COLOR: Green
TYPE: A	COPY COLOR: White
QUANTITY: 1	
SIGN WIDTH: 174"	
HEIGHT: 168"	
TOTAL AREA: 203.0 Sq.Ft.	
BORDER TYPE: FLUSH	
RECESS: 0"	
WIDTH: 2"	
RADII: 12"	
NO. Z BARS: 4	
LENGTH: 166.0	

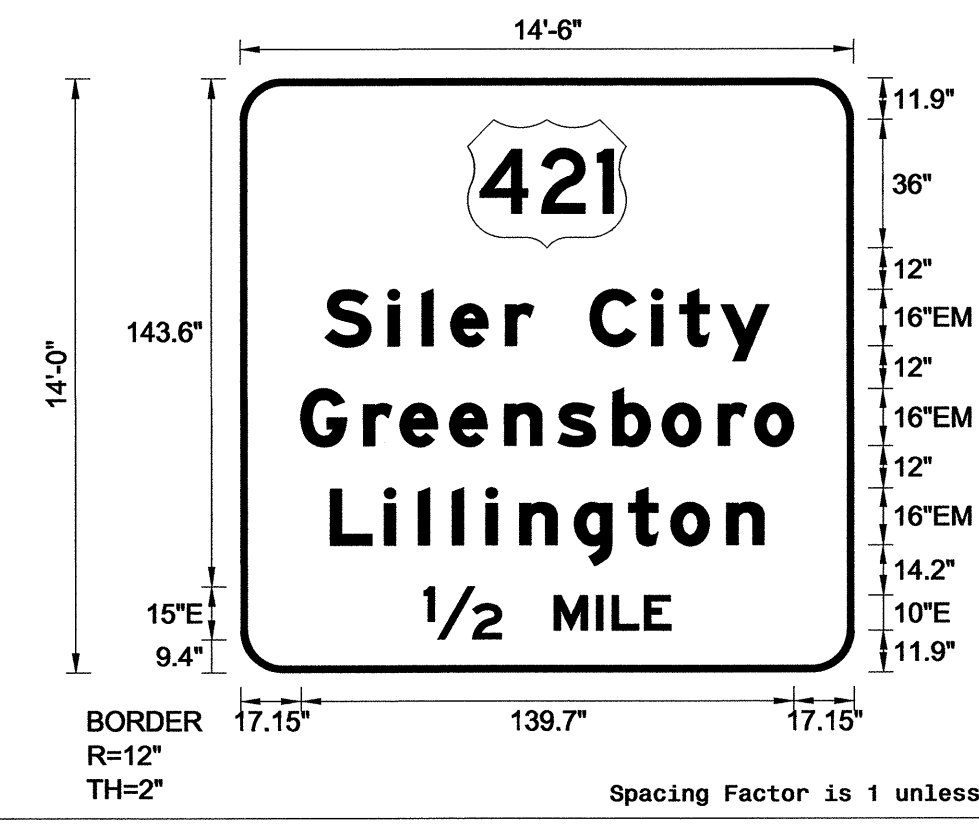
SYMBOL	X	Y	WID	HT
M1.4	64.5	120.1	45	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA

CHECKED BY: WMDewBrew
DIV: 8

DATE: Sep 20, 2010



Spacing Factor is 1 unless specified otherwise

- USE NOTES
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

	S	i	l	e	r	C	i	t	y		Series/Size		
											Text Length		
	24	17.9	9.6	8.2	15.5	8	16	17.4	8	11.7	13.6	24	EM 2000
													125.9
	17.2	17.8	10.4	14.1	15.5	15.2	15.5	14.1	15.8	10.4	10.9	17.2	EM 2000
													139.7
	25.5	15.4	9.6	9.6	9.6	15.5	15.4	12	15.8	10.6	25.5		EM 2000
													123
	1/2												E 2000
	52	22	15	12	4.4	9.2	7.5	52					70.1

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 9A	BACKG COLOR: Green
TYPE: A	COPY COLOR: White
QUANTITY: 1	
SIGN WIDTH: 162"	
HEIGHT: 30"	
TOTAL AREA: 33.8 Sq.Ft.	
BORDER TYPE: FLUSH	
RECESS: 0"	
WIDTH: 2"	
RADII: 8"	
NO. Z BARS: 2	
LENGTH: 154.0	

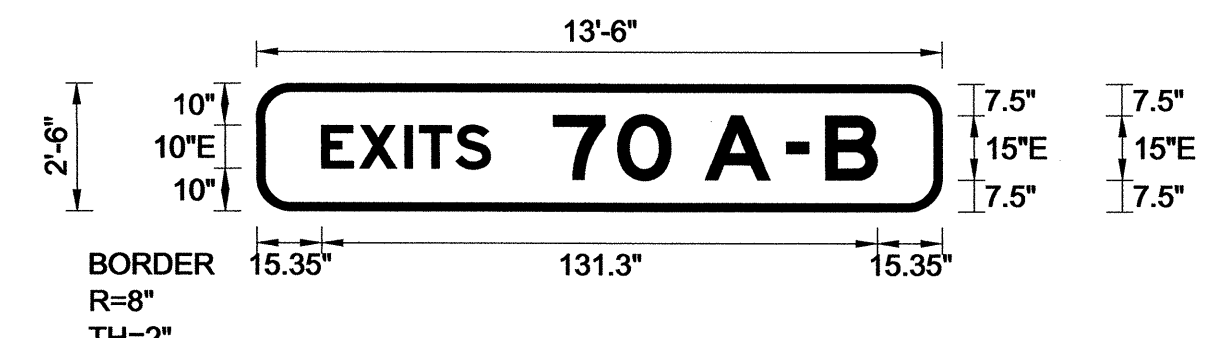
SYMBOL	X	Y	WID	HT
--------	---	---	-----	----

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA

CHECKED BY: WMDewBrew
DIV: 8

DATE: Sep 16, 2010



Spacing Factor is 1 unless specified otherwise

- USE NOTES
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 - Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T	S	7	0	A	-	B		Series/Size					
												Text Length					
	15.4	8.9	10.7	3.5	8.6	8.1	15	15.1	12.6	8	15.3	4	5.3	4	12.2	15.4	E 2000
																	131.3

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 10B	BACKG COLOR: Green
TYPE: A	COPY COLOR: White
QUANTITY: 1	
SIGN WIDTH: 174"	
HEIGHT: 144"	
TOTAL AREA: 174.0 Sq.Ft.	
BORDER TYPE: FLUSH	
RECESS: 0"	
WIDTH: 2"	
RADII: 12"	
NO. Z BARS: 3	
LENGTH: 166.0	

SYMBOL	X	Y	WID	HT
M1.4	27	93.9	45	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA

CHECKED BY: WMDewBrew
DIV: 8

DATE: Sep 15, 2010



Spacing Factor is 1 unless specified otherwise

- USE NOTES
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.


LETTER POSITIONS

Letter spacings are to start of next letter

	N	O	R	T	H		Series/Size						
							Text Length						
	87	12.2	3.1	12.8	11	11	9.7	27	E 2000				
									59.9				
	24	17.9	9.6	8.2	15.5	8	16	17.4	8	11.7	13.6	24	EM 2000
													125.9
	17.2	17.8	10.4	14.1	15.5	15.2	15.5	14.1	15.8	10.4	10.9	17.2	EM 2000
													139.7
	1/4												E 2000
	52	22	15	12	4.4	9.2	7.5	52					70.1

NORTH CAROLINA D.O.T. SIGN DETAIL

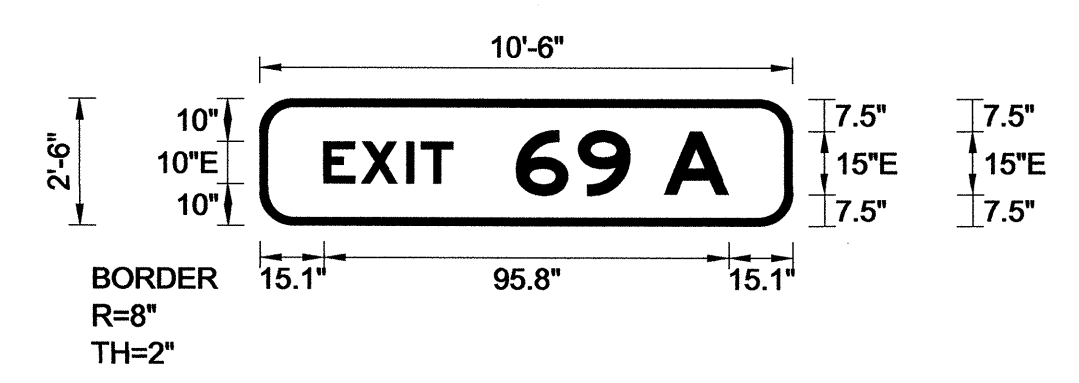
**TYPE "A" AND "B" SIGNS
(OVERHEAD)**

APPROVED: _____
 DATE: _____
 SEAL


SIGN NUMBER: 11A
 TYPE: B
 QUANTITY: 1
 SIGN WIDTH: 126"
 HEIGHT: 30"
 TOTAL AREA: 26.3 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 8"
 NO. Z BARS: 2
 LENGTH: 118.0

SYMBOL	X	Y	WID	HT
M1.4	33.1	70.3	45	36
M1-5-2-24-10C	125.6	70.3	36	36
ARROWN	72.5	8.7	30	20.6

DESIGN BY: R. HENNEIN
 PROJECT ID: R-2417AA
 CHECKED BY: WMDewBrew
 DIV: 8
 DATE: Sep 16, 2010



- USE NOTES
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 - Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	E	X	I	T	6	9	A	Series/Size
Spacing	15.1	8.9	10.7	3.5	7.5	15	14.7	12.2
Text Length	8	15.3	15.1					E 2000
								95.8

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 12B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 174"
 HEIGHT: 156"
 TOTAL AREA: 188.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 4
 LENGTH: 166.0

SYMBOL	X	Y	WID	HT
M1.4	27	106.3	45	36
ARROWN	66.5	8.7	30	20.6

DESIGN BY: R. HENNEIN
 PROJECT ID: R-2417AA
 CHECKED BY: WMDewBrew
 DIV: 8
 DATE: Sep 17, 2010



- USE NOTES
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 - Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 166" X 36"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

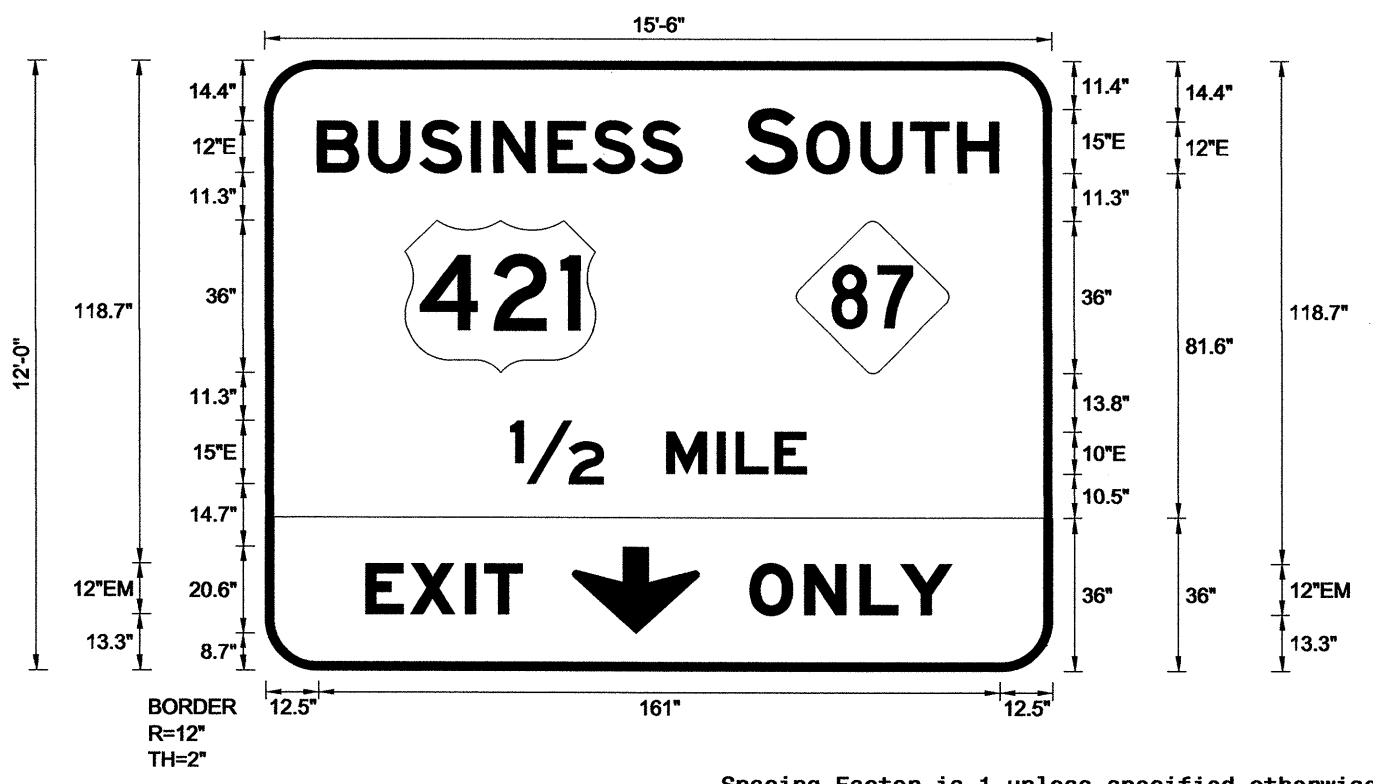
Letter	N	O	R	T	H	Series/Size
Spacing	87	12.2	3.1	12.8	11	11
Text Length	27					E 2000
						59.9
						EM 2000
						125.9
						EM 2000
						139.7
						EM 2000
						37
						EM 2000
						47.8

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 11B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 186"
 HEIGHT: 144"
 TOTAL AREA: 186.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 178.0

SYMBOL	X	Y	WID	HT
M1.4	33.1	70.3	45	36
M1-5-2-24-10C	125.6	70.3	36	36
ARROWN	72.5	8.7	30	20.6

DESIGN BY: R. HENNEIN
 PROJECT ID: R-2417AA
 CHECKED BY: WMDewBrew
 DIV: 8
 DATE: Sep 22, 2010



- USE NOTES
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 - Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 178" X 36"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

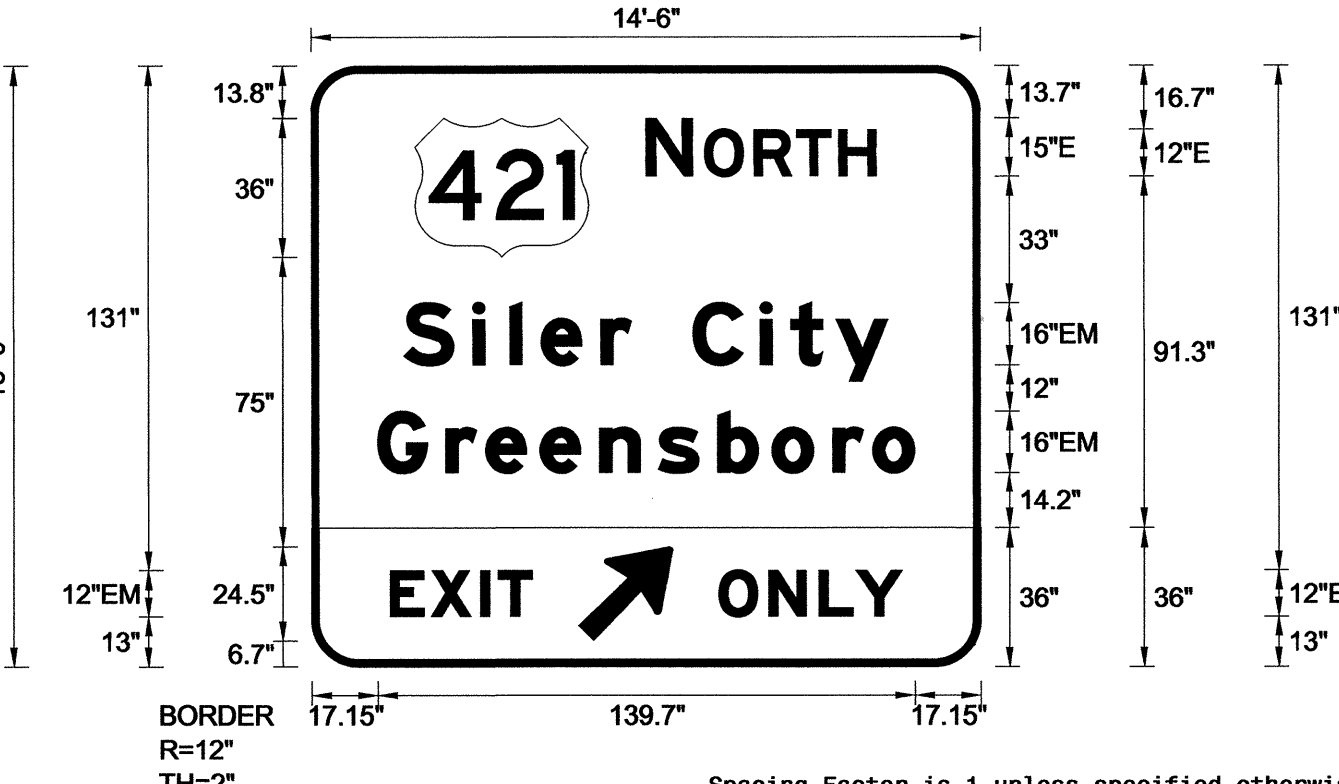
Letter	B	U	S	I	N	E	S	S	Series/Size
Spacing	12.5	12.1	12.1	12.1	5.3	12.8	10.7	11.4	
Text Length	9.7	87.2							
								E 2000	
								86.3	
								E 2000	
								59.8	
								E 2000	
								70.1	
								EM 2000	
								37	
								EM 2000	
								47.8	

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 13B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 174"
 HEIGHT: 156"
 TOTAL AREA: 188.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 4
 LENGTH: 166.0

SYMBOL	X	Y	WID	HT
M1.4	27	106.3	45	36
ARMED	69.4	6.8	20	31.5

DESIGN BY: R. HENNEIN
 PROJECT ID: R-2417AA
 CHECKED BY: WMDewBrew
 DIV: 8
 DATE: Sep 17, 2010



- USE NOTES
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 - Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 166" X 36"

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
Spacing	87	12.2	3.1	12.8	11	11
Text Length	27					E 2000
						59.9
						EM 2000
						125.9
						EM 2000
						139.7
						EM 2000
						37
						EM 2000
						47.8

NORTH CAROLINA D.O.T. SIGN DETAIL

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

07-09-2010 18:51
 P:\TIP\Projects\R-2417AA\Traffic\Signing\CADD\Quantities & OM_Signs\Engseed.dgn
 rhennein AT 1E247534

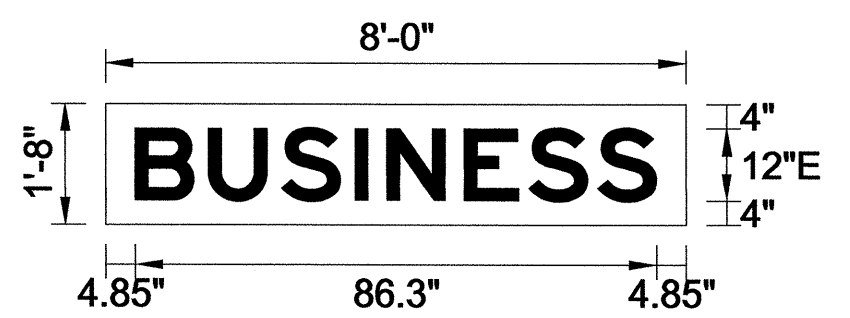
APPROVED: _____

DATE: _____



SIGN NUMBER: 601,602,603, 604,605
 TYPE: OVERLAY (GM)
 QUANTITY: 5
 SIGN WIDTH: 96"
 HEIGHT: 20"
 TOTAL AREA: 13.3 Sq.Ft.
 BORDER TYPE: SQUARE
 RECESS: 0"
 WIDTH: 0"
 RADII: 0"
 NO. Z BARS: 2
 LENGTH: _____
 MAT'L: 0.063" (1.6 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 CHECKED BY: WMDeBrew
 PROJECT ID: R-2417AA
 DIV: 5
 DATE: Sep 17, 2010



USE NOTES
 1. Legend shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

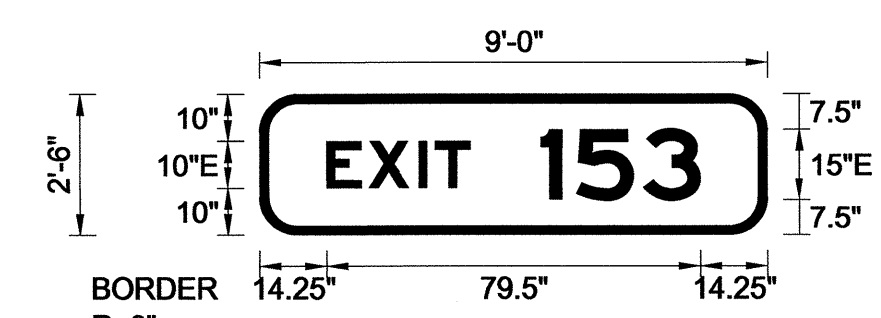
Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	86.3

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 101A,102A,103A, 104A,107A,109A
 TYPE: B
 QUANTITY: 6
 SIGN WIDTH: 108"
 HEIGHT: 30"
 TOTAL AREA: 22.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 8"
 NO. Z BARS: 2
 LENGTH: 100.0
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 CHECKED BY: WMDeBrew
 PROJECT ID: R-2417AA
 DIV: 8
 DATE: Sep 21, 2010



USE NOTES
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

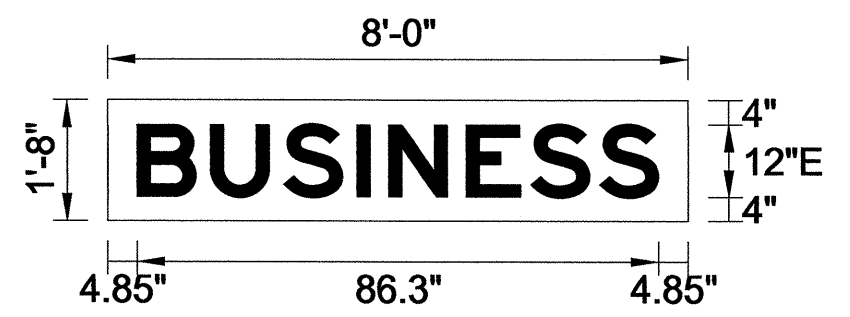
Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	79.5

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 701,702,703,704
 TYPE: OVERLAY (OH)
 QUANTITY: 4
 SIGN WIDTH: 96"
 HEIGHT: 20"
 TOTAL AREA: 13.3 Sq.Ft.
 BORDER TYPE: SQUARE
 RECESS: 0"
 WIDTH: 0"
 RADII: 0"
 NO. Z BARS: 2
 LENGTH: _____
 MAT'L: 0.063" (1.6 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 CHECKED BY: WMDeBrew
 PROJECT ID: R-2417AA
 DIV: 8
 DATE: Sep 17, 2010



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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

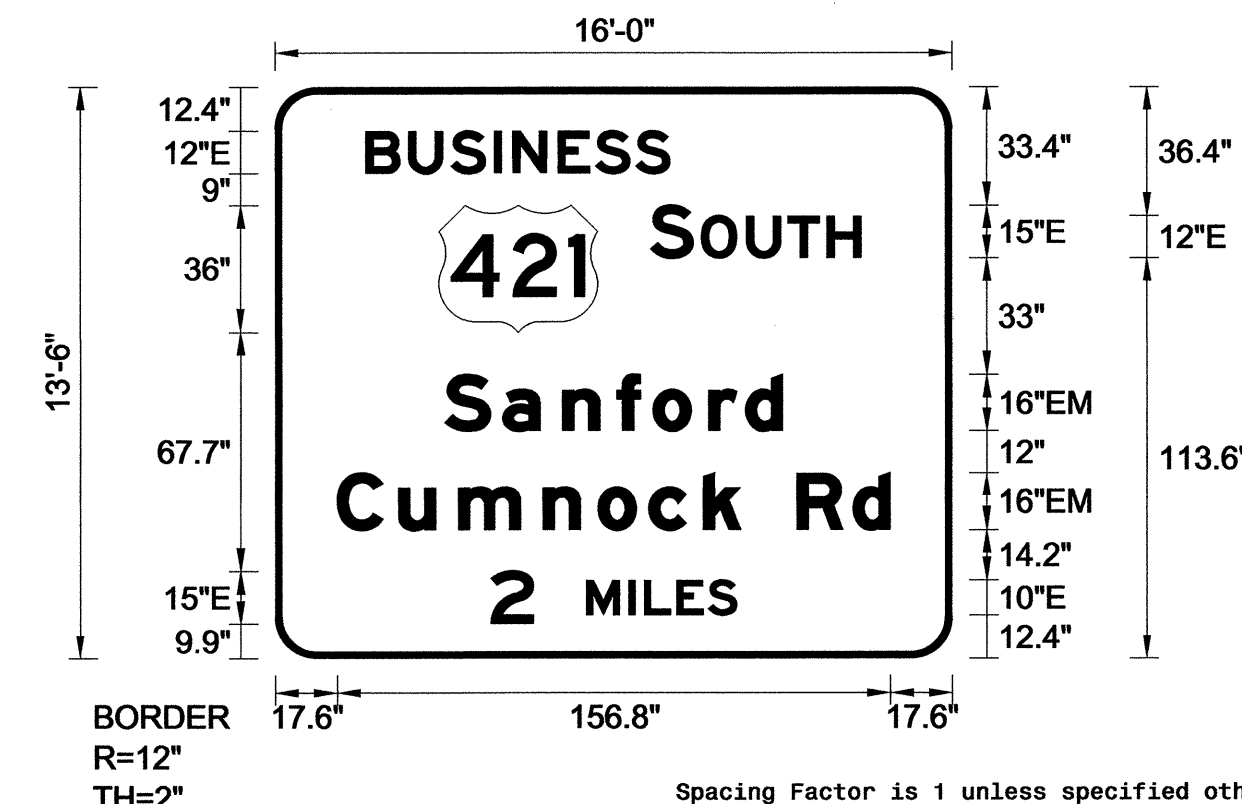
Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	86.3

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 101B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 192"
 HEIGHT: 162"
 TOTAL AREA: 216.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 4
 LENGTH: 184.0
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 CHECKED BY: WMDeBrew
 PROJECT ID: R-2417AA
 DIV: 8
 DATE: Sep 15, 2010



USE NOTES
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	86.3
E 2000	59.9
EM 2000	95.8
EM 2000	156.8
E 2000	69.8

NORTH CAROLINA D.O.T. SIGN DETAIL

OVERLAYS (GROUND MOUNTED & OVERHEAD) & TYPE "A" AND "B" SIGNS (GROUND MOUNTED)

TIP NO. R-2417AA	SHEET NO. SIGN-3P
APPROVED: _____	
DATE: _____	
SEAL	

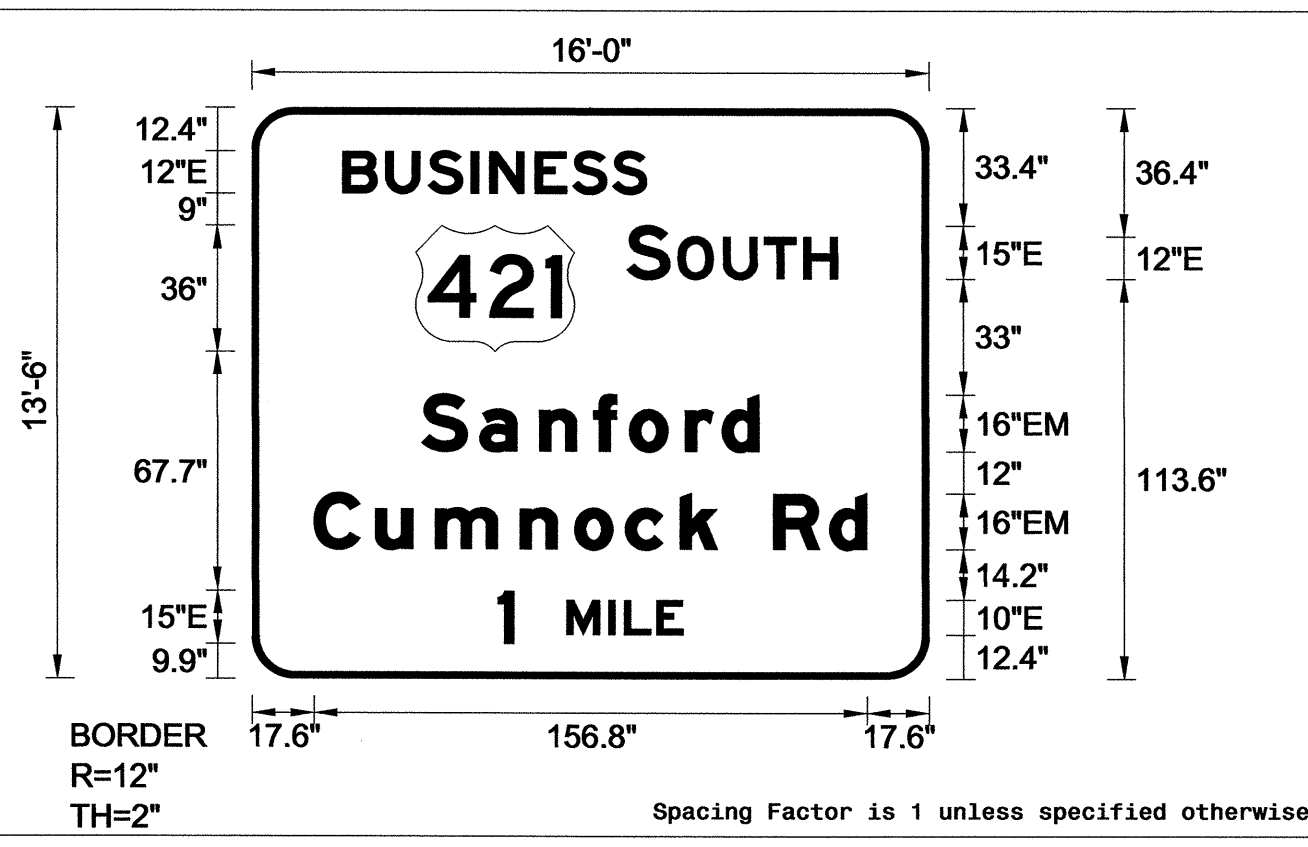
SIGN NUMBER: 102B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 192"
HEIGHT: 162"
TOTAL AREA: 216.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"
NO. Z BARS: 4
LENGTH: 184.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1 4	48.4	92.6	45	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDewBrew
DIV: 8
DATE: Sep 15, 2010



- USE NOTES
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	B	U	S	I	N	E	S	S	Series/Size				
25.8	12.1	12.1	12.1	5.3	12.8	10.7	11.4	9.7	79.9	E 2000			
106.4	12.2	2.2	12.8	11.8	11	9.7	25.8			E 2000			
48.1	16.5	17	15.4	10.2	15.8	10.4	10.6	48.1		EM 2000			
17.6	17.4	17	24	15.5	14.4	15.5	10.6	16	15.8	10.6	17.6		EM 2000
69.7	4.5	15	12	4.4	9.2	7.5	69.7						E 2000
													52.6

NORTH CAROLINA D.O.T. SIGN DETAIL

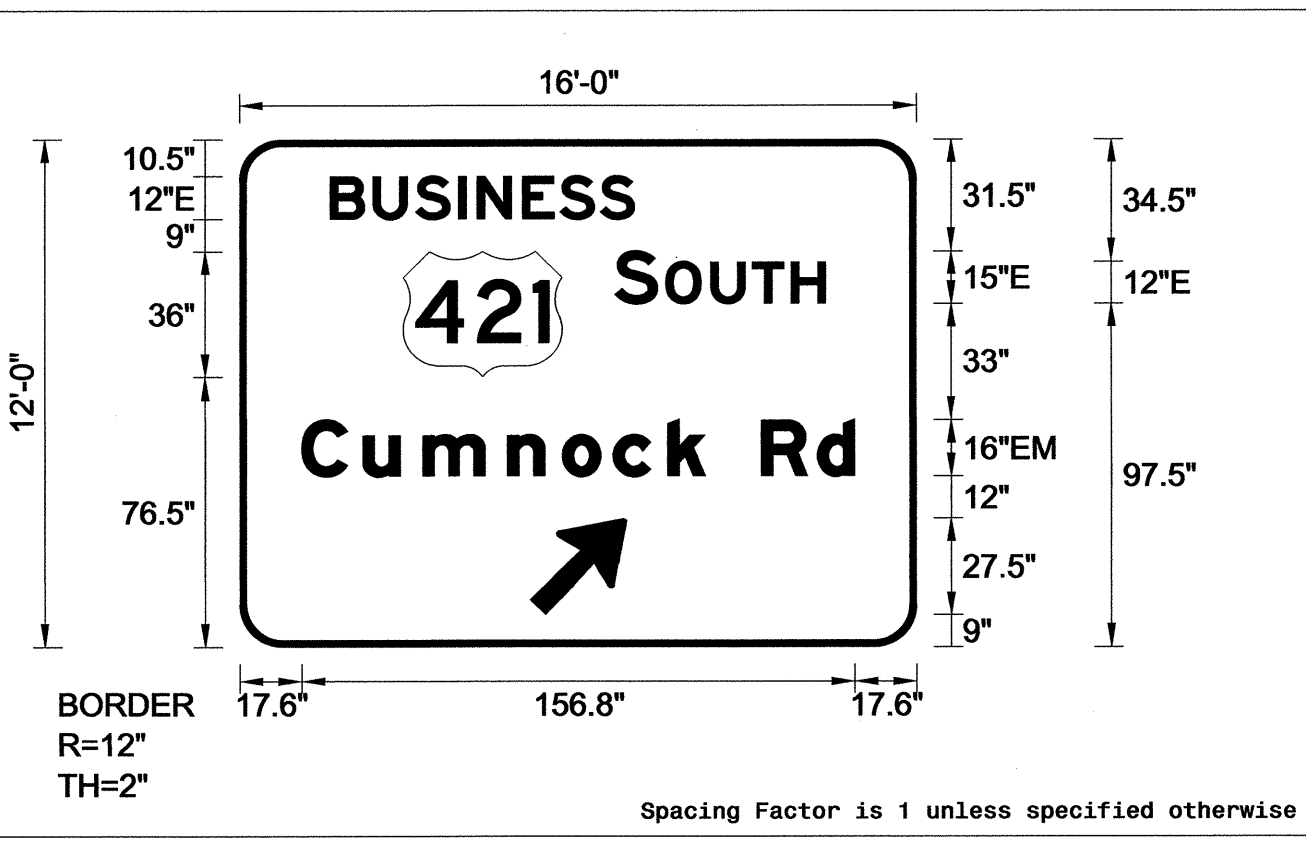
SIGN NUMBER: 104B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 192"
HEIGHT: 144"
TOTAL AREA: 192.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"
NO. Z BARS: 3
LENGTH: 184.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1 4	46.4	76.5	45	36
ARMED	82.3	9	22.4	35.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDewBrew
DIV: 8
DATE: Sep 15, 2010



- USE NOTES
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	B	U	S	I	N	E	S	S	Series/Size				
25.8	12.1	12.1	12.1	5.3	12.8	10.7	11.4	9.7	79.9	E 2000			
106.4	12.2	2.2	12.8	11.8	11	9.7	25.8			E 2000			
17.6	17.4	17	24	15.5	14.4	15.5	10.6	16	15.8	10.6	17.6		EM 2000

NORTH CAROLINA D.O.T. SIGN DETAIL

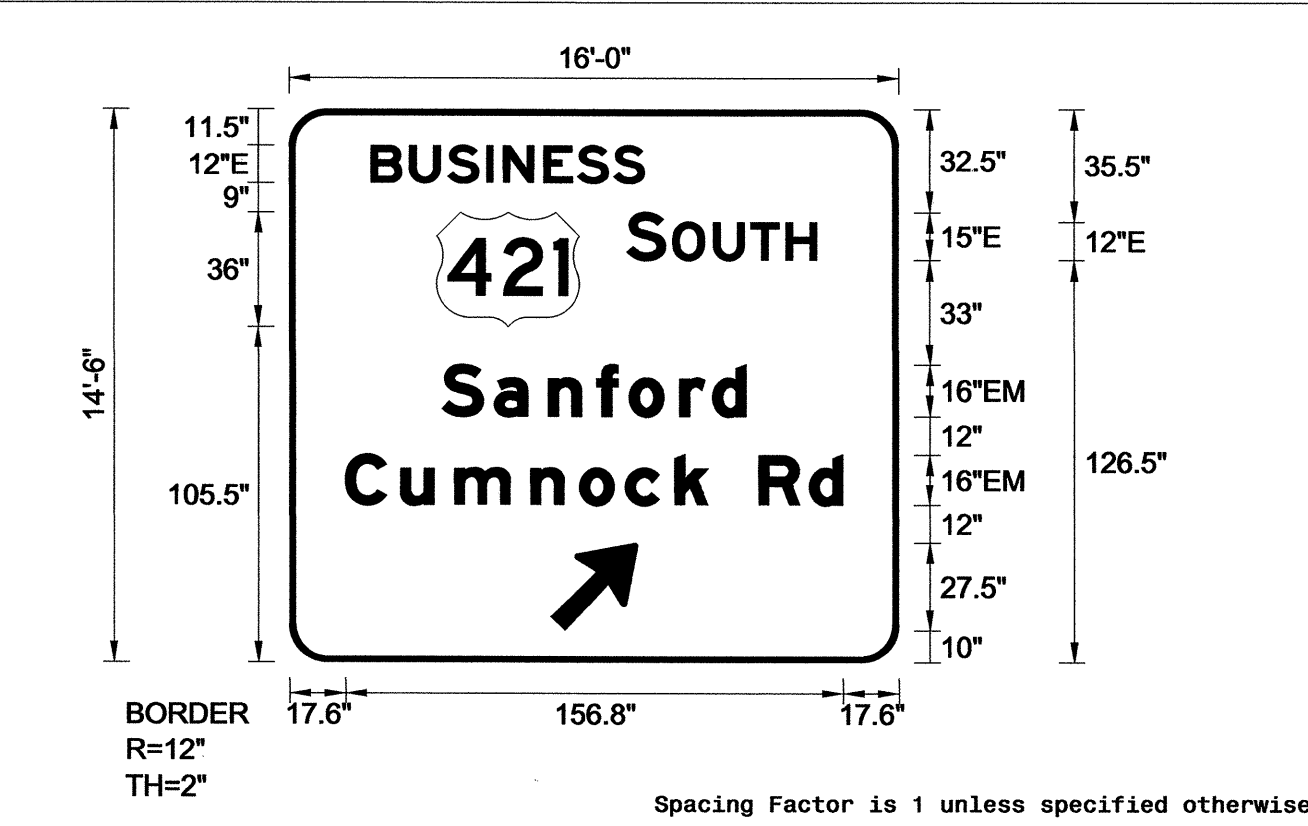
SIGN NUMBER: 103B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 192"
HEIGHT: 174"
TOTAL AREA: 232.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"
NO. Z BARS: 5
LENGTH: 184.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1 4	46.4	105.5	45	36
ARMED	82.3	10	22.4	35.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDewBrew
DIV: 8
DATE: Sep 15, 2010



- USE NOTES
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	B	U	S	I	N	E	S	S	Series/Size				
25.8	12.1	12.1	12.1	5.3	12.8	10.7	11.4	9.7	79.9	E 2000			
106.4	12.2	2.2	12.8	11.8	11	9.7	25.8			E 2000			
48.1	16.5	17	15.4	10.2	15.8	10.4	10.6	48.1		EM 2000			
17.6	17.4	17	24	15.5	14.4	15.5	10.6	16	15.8	10.6	17.6		EM 2000

NORTH CAROLINA D.O.T. SIGN DETAIL

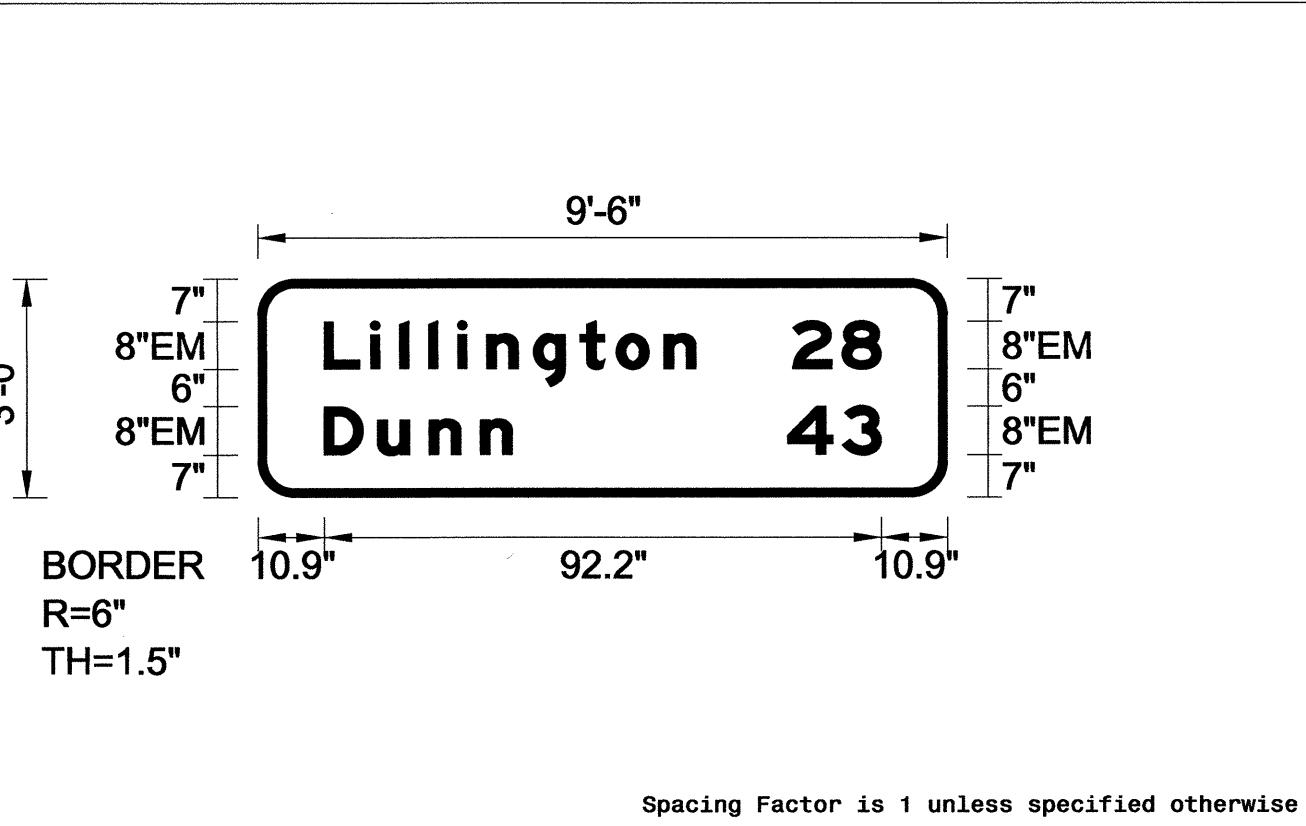
SIGN NUMBER: 105
TYPE: B
QUANTITY: 1
SIGN WIDTH: 114"
HEIGHT: 36"
TOTAL AREA: 28.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADIUS: 6"
NO. Z BARS: 2
LENGTH: 106.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDewBrew
DIV: 8
DATE: Sep 21, 2010



- USE NOTES
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 - Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	L	i	l	l	i	n	g	t	o	n	Series/Size	
10.9	7.7	4.8	4.8	4.8	4.8	7.8	7.7	6	7.9	5.3	41.6	EM 2000
88.4	8.2	6.5	10.9									EM 2000
10.9	8.9	8.5	8.5	5.3	72							EM 2000
87.6	9	6.5	10.9									EM 2000

NORTH CAROLINA D.O.T. SIGN DETAIL

07-001-200 18850 P:\TIP\project\102417AA\Traffic\Signing\CADD\Quantities & CM Signs\Engseed.dgn Rhennein AT 1E247534

**TYPE "A" AND "B" SIGNS
(GROUND MOUNTED)**

TIP NO. R-2417AA	SHEET NO. SIGN-3Q
APPROVED: _____	
DATE: _____	
SEAL	

SIGN NUMBER: 106A,108A
TYPE: A
QUANTITY: 2
SIGN WIDTH: 168"
HEIGHT: 30"
TOTAL AREA: 35.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 8"
NO. Z BARS: 2
LENGTH: 160.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	46.4	63.6	45	36

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDew
DIV: 8
DATE: Aug 11, 2010

USE NOTES
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	E	X	I	T	S	1	4	9	B	-	A	Series/Size
Text Length	14.3	8.9	10.7	8.5	8.6	8.1	15	7.1	16.7	12.2	8	E 2000
									12.1	4	5.2	139.3

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 107B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 192"
HEIGHT: 132"
TOTAL AREA: 176.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"
NO. Z BARS: 3
LENGTH: 184.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	46.4	63.6	45	36

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDew
DIV: 8
DATE: Sep 15, 2010

USE NOTES
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	B	U	S	I	N	E	S	S	Series/Size
Text Length	25.8	12.1	12.1	12.1	5.3	12.8	10.7	11.4	E 2000
									86.3
	106.4	12.2	2.2	12.8	11.8	11	9.7	25.8	E 2000
									59.8
	17.6	17.4	17	24	15.5	14.4	15.5	10.6	EM 2000
									156.8
	69.7	4.5	15	12	4.4	9.2	7.5	69.7	E 2000
									52.6

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 106B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 240"
HEIGHT: 168"
TOTAL AREA: 280.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"
NO. Z BARS: 4
LENGTH: 232.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	19.5	120.1	36	36
M1_4	71.5	120.1	36	36
M1_4	123.5	120.1	45	36
M1-5-2-24-10C	184.5	120.1	36	36

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDew
DIV: 8
DATE: Sep 15, 2010

USE NOTES
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	R	a	i	e	i	g	h	Series/Size
Text Length	73.9	15.8	17	8.2	15.5	8.2	17	EM 2000
								92.2
	62.5	16.8	8	11.8	11.7	15.5	14.1	EM 2000
								115
	21.6	16.5	15.8	15.4	13.4	15.5	11.8	EM 2000
								196.8
	85.1	12.2	15	12	4.4	9.2	8.9	E 2000
								69.8

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 108B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 240"
HEIGHT: 168"
TOTAL AREA: 280.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"
NO. Z BARS: 4
LENGTH: 232.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	19.5	120.1	36	36
M1_4	71.5	120.1	36	36
M1_4	123.5	120.1	45	36
M1-5-2-24-10C	184.5	120.1	36	36

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDew
DIV: 8
DATE: Oct 26, 2010

USE NOTES
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

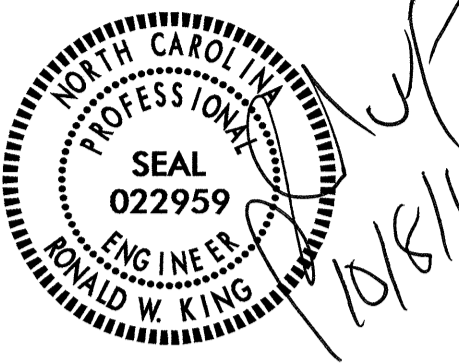
Letter	R	a	i	e	i	g	h	Series/Size
Text Length	73.9	15.8	17	8.2	15.5	8.2	17	EM 2000
								92.2
	62.5	16.8	8	11.8	11.7	15.5	14.1	EM 2000
								115
	21.6	16.5	15.8	15.4	13.4	15.5	11.8	EM 2000
								196.8
	83.5	25	15	12	4.4	9.2	7.5	E 2000
								73.1

NORTH CAROLINA D.O.T. SIGN DETAIL

26-OCT-2010 14:20 P:\TIP\proj\33-152417AA\Traffic\Signing\CADD\Quantities & OM_Signs\Engseed.dgn Rhennein AT 10/27/10

**TYPE "A" AND "B" SIGNS
(GROUND MOUNTED)**

APPROVED: _____
 DATE: _____
 SEAL

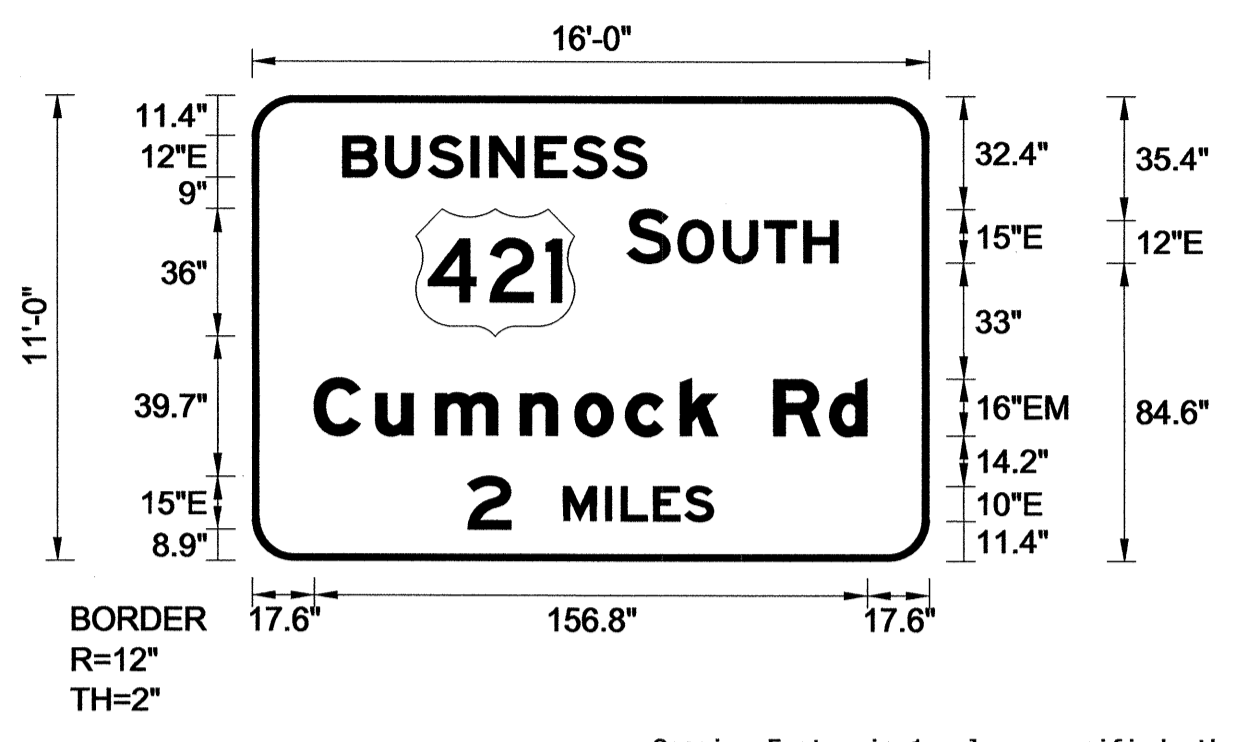


SIGN NUMBER: 109B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 192"
 HEIGHT: 132"
 TOTAL AREA: 176.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 184.0

SYMBOL	X	Y	WID	HT
M1 4	46.4	63.6	45	36

BACKG COLOR: Green
 COPY COLOR: White
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 PROJECT ID: R-2417AA
 CHECKED BY: WMDewBrew
 DIV: 8
 DATE: Sep 15, 2010



USE NOTES
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
B U S I N E S S	E 2000	86.3
S O U T H	E 2000	59.8
C u m n o c k R d	EM 2000	156.8
2 M I L E S	E 2000	69.8

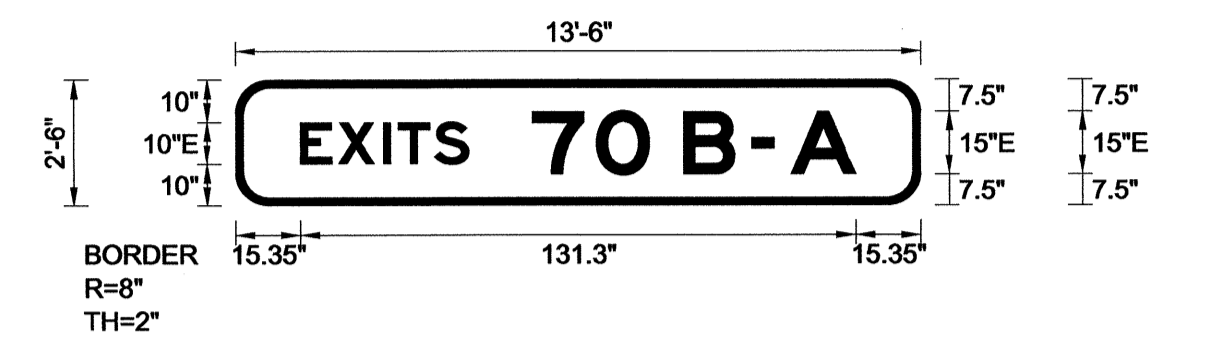
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 113A
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 162"
 HEIGHT: 30"
 TOTAL AREA: 33.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 8"
 NO. Z BARS: 2
 LENGTH: 154.0

SYMBOL	X	Y	WID	HT
M1 4	64.5	120.1	45	36

BACKG COLOR: Green
 COPY COLOR: White
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 PROJECT ID: R-2417AA
 CHECKED BY: WMDewBrew
 DIV: 8
 DATE: Sep 22, 2010



USE NOTES
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
E X I T S 7 0 B - A	E 2000	131.3

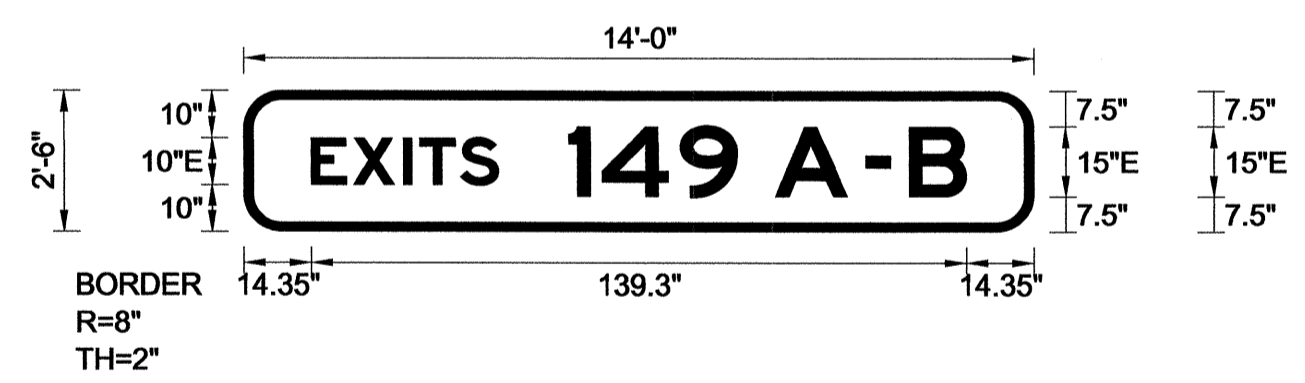
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 110,111,112
 TYPE: A
 QUANTITY: 3
 SIGN WIDTH: 168"
 HEIGHT: 30"
 TOTAL AREA: 35.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 8"
 NO. Z BARS: 2
 LENGTH: 160.0

SYMBOL	X	Y	WID	HT
M1 4	64.5	120.1	45	36

BACKG COLOR: Green
 COPY COLOR: White
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 PROJECT ID: R-2417AA
 CHECKED BY: WMDewBrew
 DIV: 8
 DATE: Sep 16, 2010



USE NOTES
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
E X I T S 1 4 9 A - B	E 2000	139.3

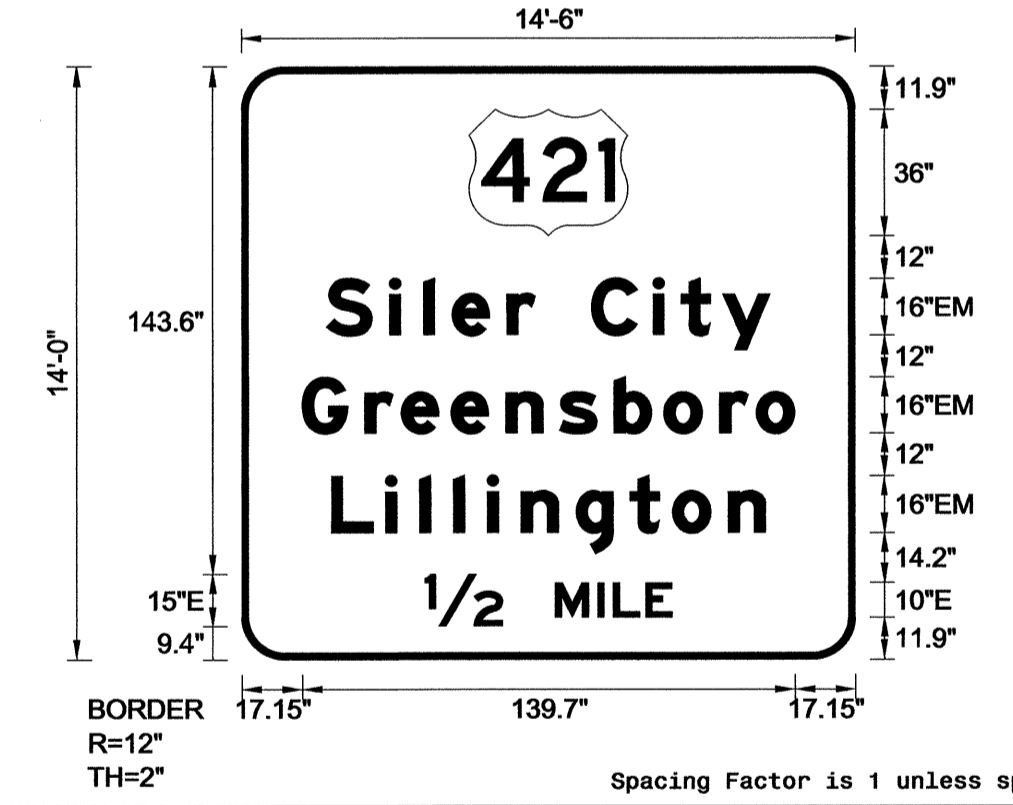
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 113B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 174"
 HEIGHT: 168"
 TOTAL AREA: 203.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 4
 LENGTH: 166.0

SYMBOL	X	Y	WID	HT
M1 4	64.5	120.1	45	36

BACKG COLOR: Green
 COPY COLOR: White
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 PROJECT ID: R-2417AA
 CHECKED BY: WMDewBrew
 DIV: 8
 DATE: Sep 20, 2010



USE NOTES
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
S i l e r C i t y	EM 2000	125.9
G r e e n s b o r o	EM 2000	139.7
L i l l i n g t o n	EM 2000	123
1/2 M I L E	E 2000	70.1

NORTH CAROLINA D.O.T. SIGN DETAIL

07-09-2010 18:50
 P:\TIP-objects\10-2417AA\Trefico\Signing\CADD\Quantities & CM Signs\Engseed.dgn
 Rhennein AT 1E247534

**TYPE "A" AND "B" SIGNS
 (GROUND MOUNTED)**

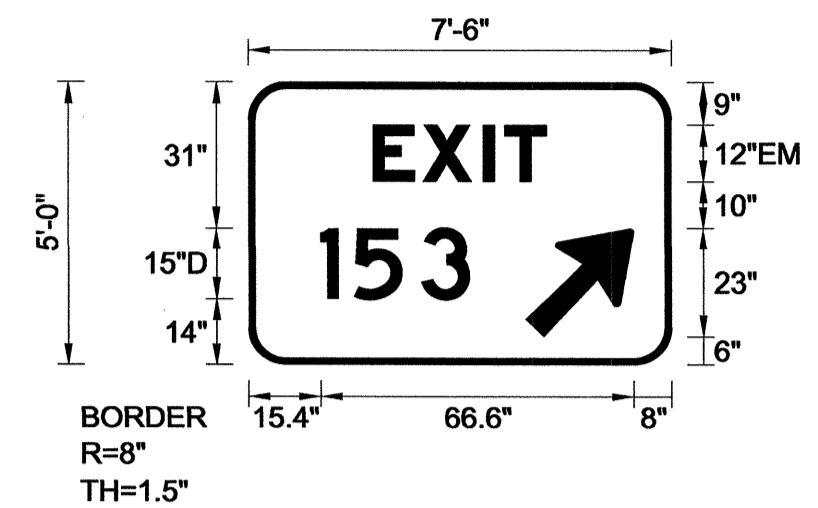
APPROVED: _____
 DATE: _____
 SEAL

SIGN NUMBER: 201,202
 TYPE: A
 QUANTITY: 2
 SIGN WIDTH: 90"
 HEIGHT: 60"
 TOTAL AREA: 37.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 8"
 NO. Z BARS: 2
 LENGTH: 82.0

SYMBOL	X	Y	WID	HT
ARMED	59	6.1	18.8	29.5

BACKG COLOR: Green
 COPY COLOR: White
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 PROJECT ID: R-2417AA
 CHECKED BY: WMDewBrew
 DIV: 8
 DATE: Sep 21, 2010



USE NOTES
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size
	26.5	10.6	13	4.6	8.9	EM 2000
						37
	1	5	3			D 2000
	15.4	7.1	14.4	10.2	43	31.7

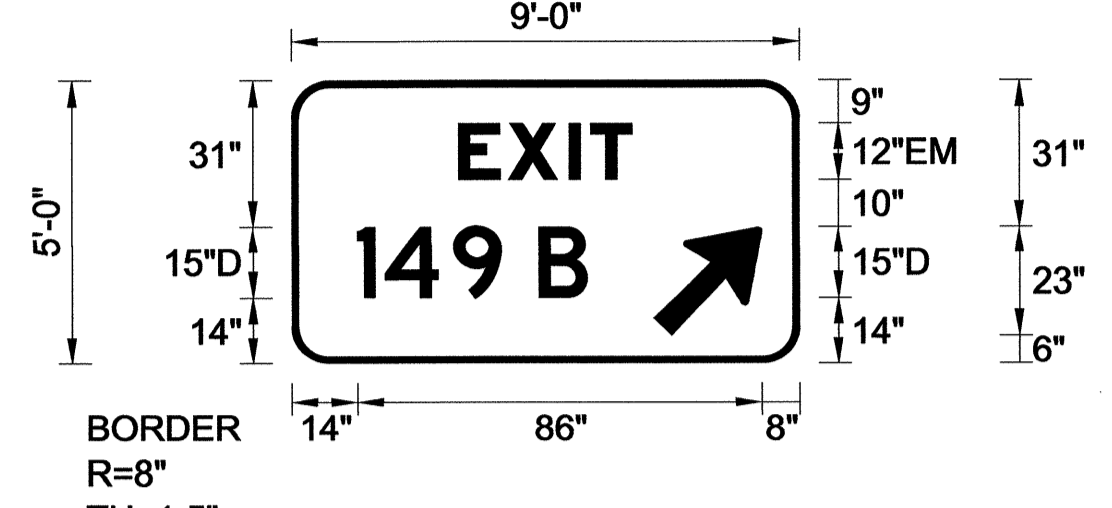
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 204
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 108"
 HEIGHT: 60"
 TOTAL AREA: 45.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 8"
 NO. Z BARS: 2
 LENGTH: 100.0

SYMBOL	X	Y	WID	HT
ARMED	77	6	18.8	29.5

BACKG COLOR: Green
 COPY COLOR: White
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 PROJECT ID: R-2417AA
 CHECKED BY: WMDewBrew
 DIV: 8
 DATE: Aug 11, 2010



USE NOTES
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size
	35.5	10.6	13	4.6	8.9	EM 2000
						37
	1	4	9			D 2000
	14	5.8	14.6	10.2	8	48.8

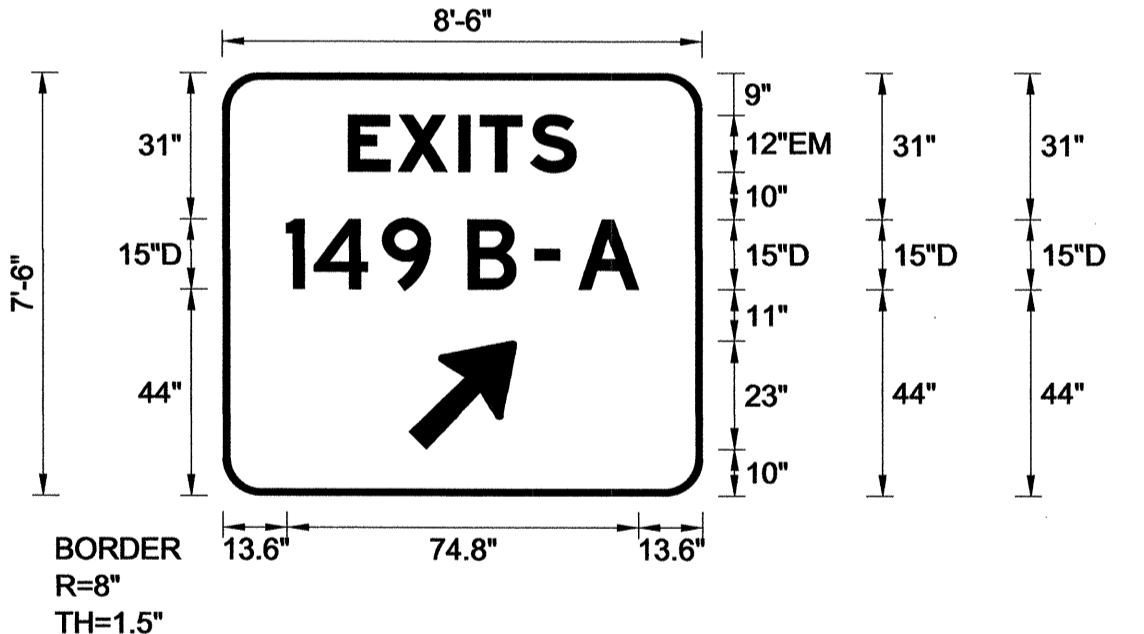
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 203
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 102"
 HEIGHT: 90"
 TOTAL AREA: 63.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 8"
 NO. Z BARS: 3
 LENGTH: 94.0

SYMBOL	X	Y	WID	HT
ARMED	39.5	10	18.8	29.5

BACKG COLOR: Green
 COPY COLOR: White
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 PROJECT ID: R-2417AA
 CHECKED BY: WMDewBrew
 DIV: 8
 DATE: Sep 23, 2010



USE NOTES
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T	S		Series/Size
	26.8	10.6	13	4.6	10.7	9.7	EM 2000
							48.5
	1	4	9				D 2000
	13.6	5.8	14.5	10.2	8	12.8	74.8

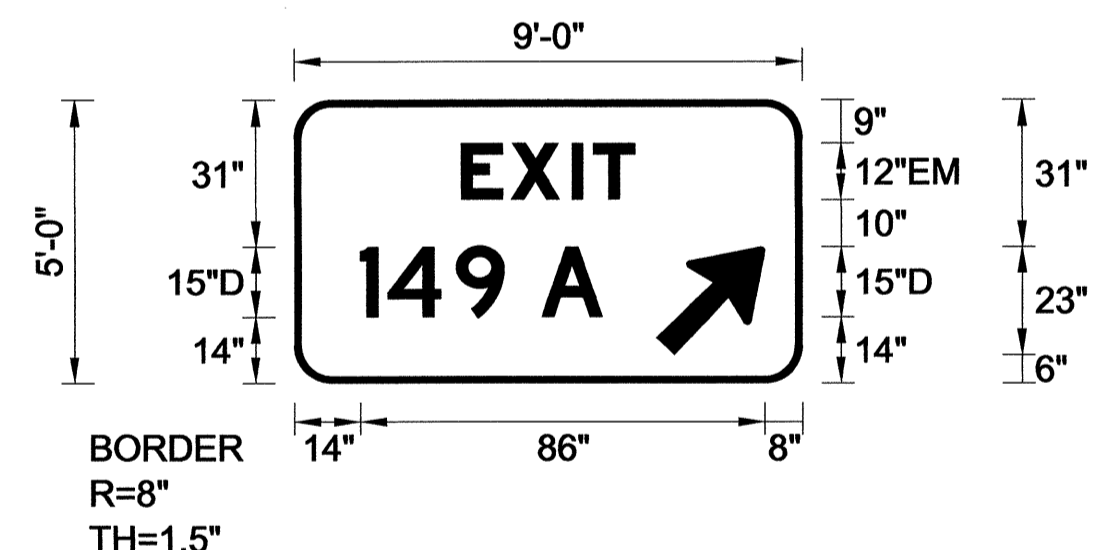
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 205
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 108"
 HEIGHT: 60"
 TOTAL AREA: 45.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 8"
 NO. Z BARS: 2
 LENGTH: 100.0

SYMBOL	X	Y	WID	HT
ARMED	77	6	18.8	29.5

BACKG COLOR: Green
 COPY COLOR: White
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
 PROJECT ID: R-2417AA
 CHECKED BY: WMDewBrew
 DIV: 8
 DATE: Aug 11, 2010



USE NOTES
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size
	35.5	10.6	13	4.6	8.9	EM 2000
						37
	1	4	9			D 2000
	14	5.8	14.6	10.2	8	51.4

NORTH CAROLINA D.O.T. SIGN DETAIL

**TYPE "A" SIGNS
 (EXIT GORE)**

07-OCT-2010 18:50
 P:\TIP\Projects\12417AA\Traffic\Signing\CADD\Quantities & OM Signs\Engseed.dgn
 Rhennein AT TE247534

TIP NO. R-2417AA	SHEET NO. SIGN-3T
APPROVED: _____	
DATE: _____	
SEAL	

SIGN NUMBER: 206,207 TYPE: A QUANTITY: 2 SIGN WIDTH: 102" HEIGHT: 60" TOTAL AREA: 42.5 Sq.Ft.	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT ARMED 71 6 18.8 29.5	DESIGN BY: R. HENNEIN PROJECT ID: R-2417AA	CHECKED BY: WMDDeBrew DIV: 8	DATE: Sep 08, 2010
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Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T																	Series/Size Text Length
	32.5	10.6	13	4.6	8.9	32.5															EM 2000 37
		7	0			B															D 2000 41.6
	15.2	12.7	10.7	8	10.2	45.2															

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 208 TYPE: A QUANTITY: 1 SIGN WIDTH: 102" HEIGHT: 90" TOTAL AREA: 63.8 Sq.Ft.	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT ARMED 39.5 10 18.8 29.5	DESIGN BY: R. HENNEIN PROJECT ID: R-2417AA	CHECKED BY: WMDDeBrew DIV: 8	DATE: Sep 23, 2010
----------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------	-----------------------------------------------	---------------------------------	--------------------

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T	S																Series/Size Text Length
	26.8	10.6	13	4.6	10.7	9.7	26.8														EM 2000 48.5
		1	4	9		A															D 2000 74.8
	13.6	5.8	14.5	10.2	8	12.8	4	5.3	4	10.2	13.6										

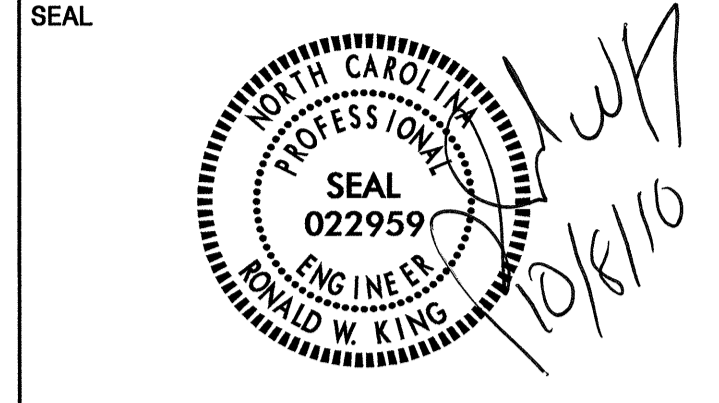
NORTH CAROLINA D.O.T. SIGN DETAIL

07-OCT-2010 18:49
 P:\TIP-projects-R-2417AA-Traffic\Signing\CA00\Quantities & GM Signs\Engseed.dgn
 R. Hennein AT TE247534

**TYPE "A" SIGNS
(EXIT GORE)**

APPROVED: _____

DATE: _____



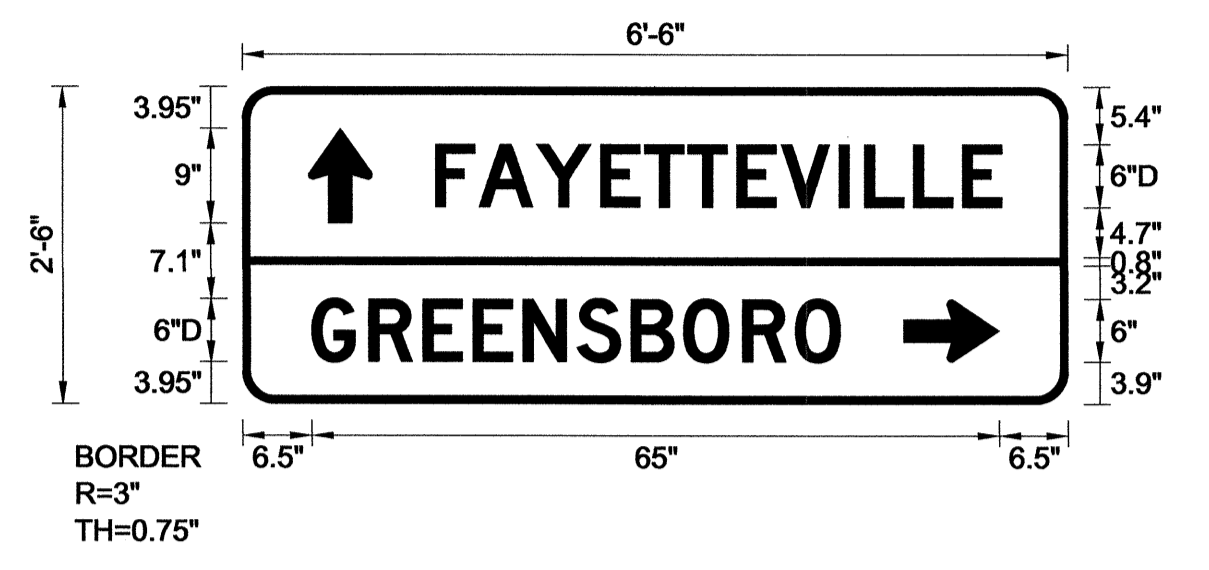
SIGN NUMBER: 301
TYPE: D
QUANTITY: 1
SIGN WIDTH: 78"
HEIGHT: 30"
TOTAL AREA: 16.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS: _____
LENGTH: _____

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	6.2	17.1	6	9
ARUP	62.5	3.9	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDewBrew
DIV: 8
DATE: Oct 06, 2010



USE NOTES
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	F	A	Y	E	T	T	E	V	I	L	L	E	Series/Size
Text Length	18.2	4.1	5.5	6.1	4.2	4.1	4.6	4.2	5.5	2.4	4.6	4.6	D 2000
													53.5
Letter	G	R	E	E	N	S	B	O	R	O	Series/Size		
Text Length	6.5	5.4	5.1	4.7	4.7	5.1	5.1	5	5.6	5	D 2000		
												50	

NORTH CAROLINA D.O.T. SIGN DETAIL

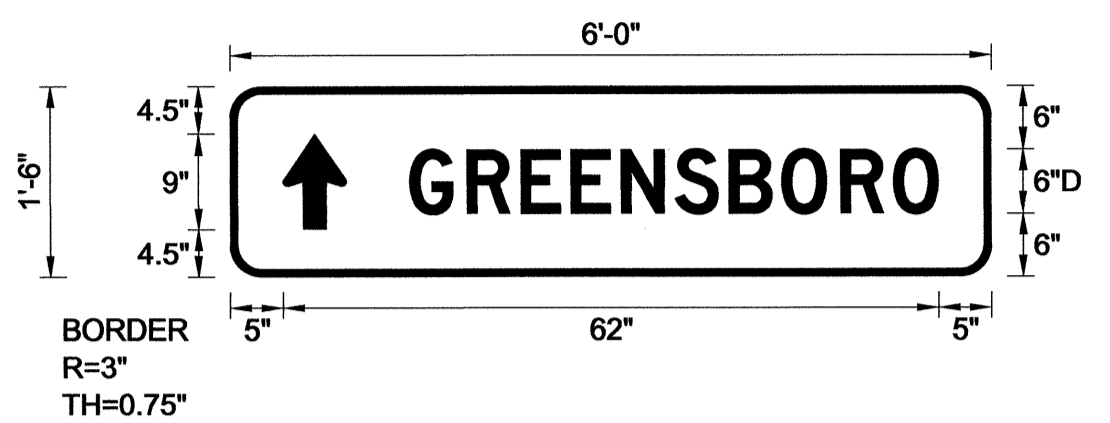
SIGN NUMBER: 303
TYPE: D
QUANTITY: 1
SIGN WIDTH: 72"
HEIGHT: 18"
TOTAL AREA: 9.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS: _____
LENGTH: _____

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	5	4.5	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDewBrew
DIV: 8
DATE: Sep 09, 2010



USE NOTES
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	G	R	E	E	N	S	B	O	R	O	Series/Size	
Text Length	17	5.4	5.1	4.7	4.7	5.1	5.1	5	5.6	5	D 2000	
												50

NORTH CAROLINA D.O.T. SIGN DETAIL

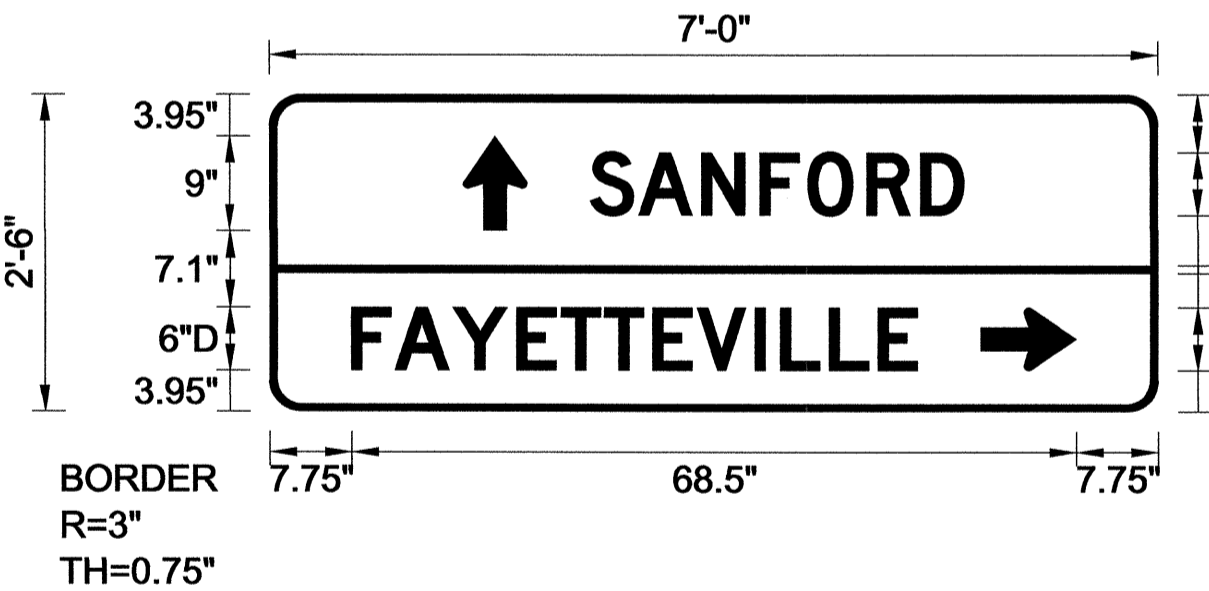
SIGN NUMBER: 302
TYPE: D
QUANTITY: 1
SIGN WIDTH: 84"
HEIGHT: 30"
TOTAL AREA: 17.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS: _____
LENGTH: _____

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	18.3	17.1	6	9
ARUP	67.3	3.9	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDewBrew
DIV: 8
DATE: Sep 16, 2010



USE NOTES
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	S	A	N	F	O	R	D	Series/Size					
Text Length	30.3	4.6	6	5.5	4.5	5.6	5.1	D 2000					
								35.3					
Letter	F	A	Y	E	T	T	E	V	I	L	L	E	Series/Size
Text Length	7.7	4.1	5.5	6.1	4.2	4.1	4.6	4.2	5.5	2.4	4.6	4.6	D 2000
													53.5

NORTH CAROLINA D.O.T. SIGN DETAIL

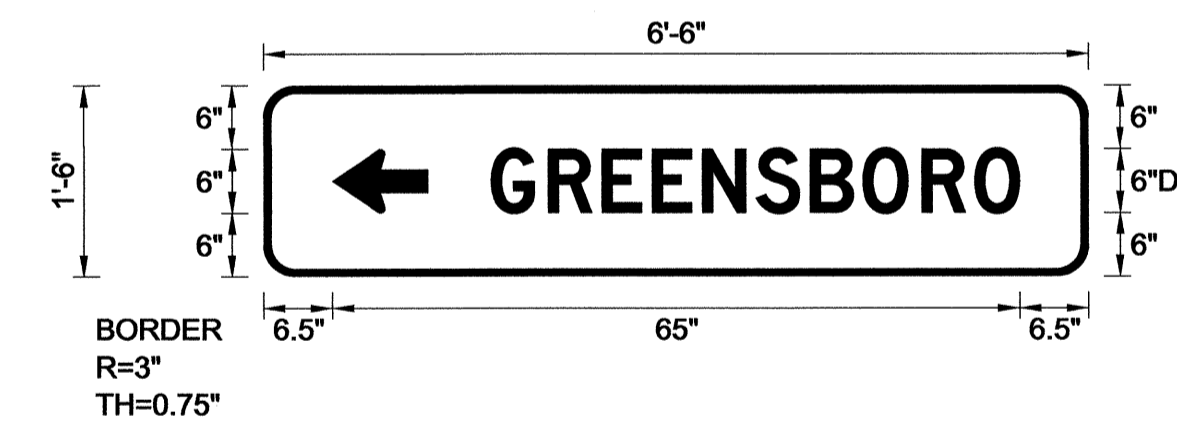
SIGN NUMBER: 304
TYPE: D
QUANTITY: 1
SIGN WIDTH: 78"
HEIGHT: 18"
TOTAL AREA: 9.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS: _____
LENGTH: _____

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	6.5	6	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: R-2417AA
CHECKED BY: WMDewBrew
DIV: 8
DATE: Sep 09, 2010



USE NOTES
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	G	R	E	E	N	S	B	O	R	O	Series/Size	
Text Length	21.5	5.4	5.1	4.7	4.7	5.1	5.1	5	5.6	5	D 2000	
												50

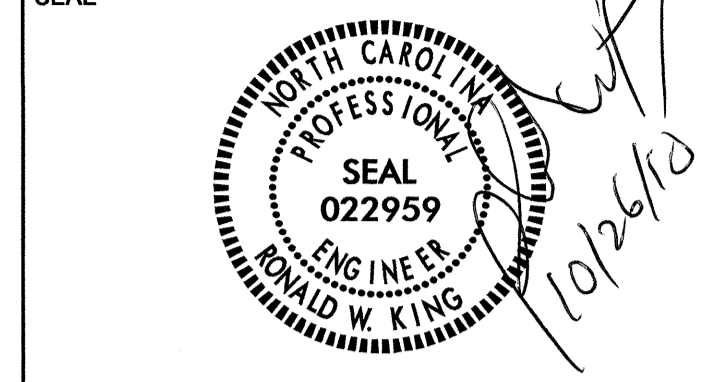
NORTH CAROLINA D.O.T. SIGN DETAIL

07-OCT-2010 18:49 P:\TIP\Projects\2417AA\Traffic\Signing\CADD\Quantities & GM Signs\Engseed.dgn R.Hennein AT TE247534

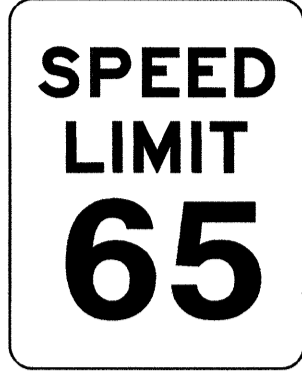
TYPE "D" SIGNS

APPROVED: _____

DATE: _____



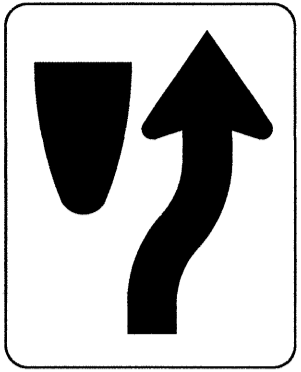
401 QUANTITY REQ'D 9



48 X 60
R2-1

TWO "U" POSTS PER SIGN

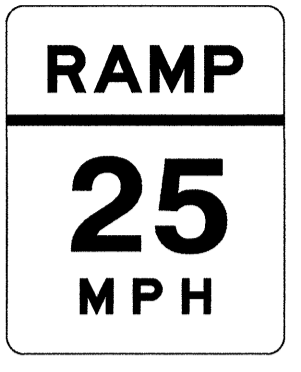
406 QUANTITY REQ'D 3



24 X 30
R4-7

ONE "U" POST PER SIGN


411 QUANTITY REQ'D 5



36 X 48
W13-3

TWO "U" POSTS PER SIGN

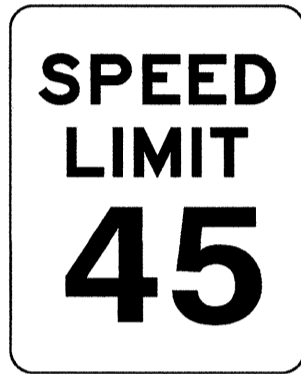
416 QUANTITY REQ'D 2



48 X 48
W3-5

TWO "U" POSTS PER SIGN

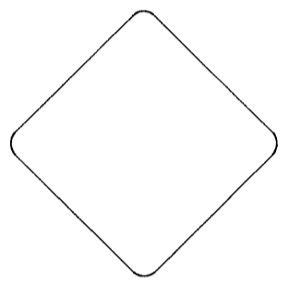
402 QUANTITY REQ'D 1



24 X 30
R2-1

ONE "U" POST PER SIGN

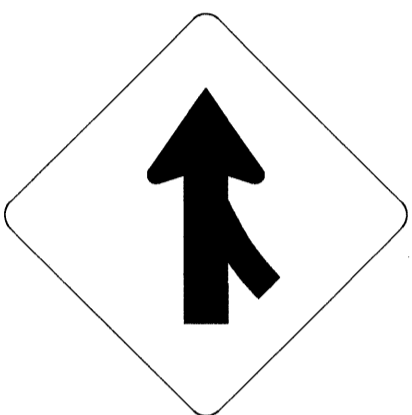
407 QUANTITY REQ'D 3



18 X 18
OM1-3

MOUNT BELOW SIGN 406
IN 3 INSTALLATIONS

412 QUANTITY REQ'D 7



48 X 48
W4-1R

TWO "U" POSTS PER SIGN

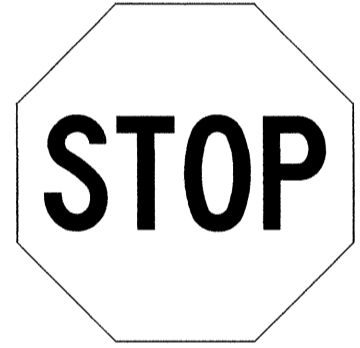
417 QUANTITY REQ'D 1



36 X 36
R3-7

ONE "U" POST PER SIGN
INSTALL IN MONOLITHIC ISLAND

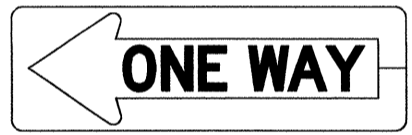
403 QUANTITY REQ'D 1



36 X 36
R1-1

ONE "U" POST PER SIGN

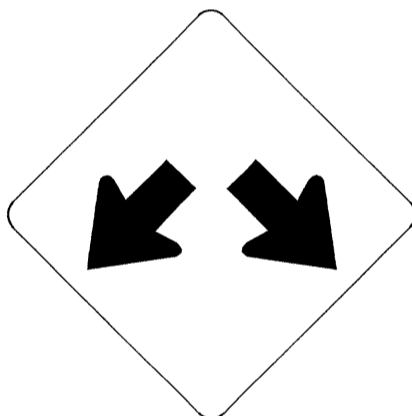
408 QUANTITY REQ'D 3



54 X 18
R6-1L

MOUNT BEHIND SIGN 409
IN 2 INSTALLATIONS
TWO "U" POSTS PER SIGN


413 QUANTITY REQ'D 1



36 X 36
W12-1

ONE "U" POST PER SIGN

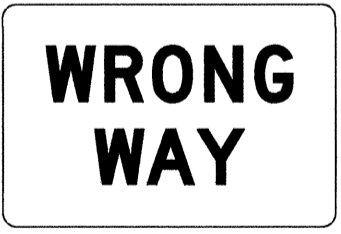
418 QUANTITY REQ'D 1



36 X 36
W9-1L

ONE "U" POST PER SIGN
INSTALL IN MONOLITHIC ISLAND

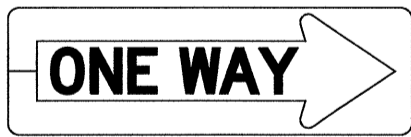
404 QUANTITY REQ'D 5



36 X 24
R5-1a

ONE "U" POST PER SIGN

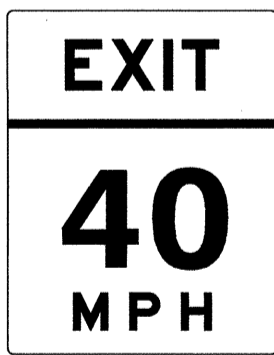
409 QUANTITY REQ'D 3



54 X 18
R6-1R

TWO "U" POSTS PER SIGN

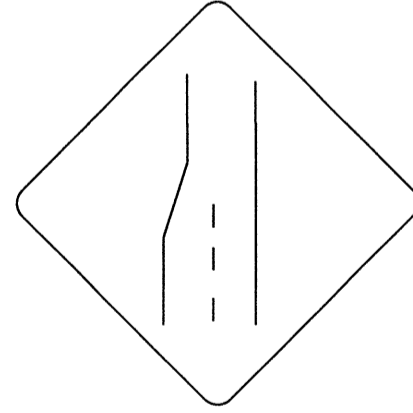
414 QUANTITY REQ'D 5



36 X 48
W13-3

TWO "U" POSTS PER SIGN


419 QUANTITY REQ'D 1



36 X 36
W4-2L

ONE "U" POST PER SIGN

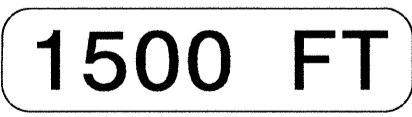
405 QUANTITY REQ'D 2



30 X 30
R5-1

ONE "U" POST PER SIGN

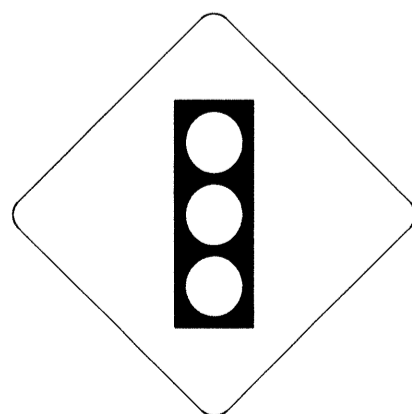
410 QUANTITY REQ'D 1



30 X 18
W16-2aP

MOUNT BELOW SIGN 415
IN 1 INSTALLATION

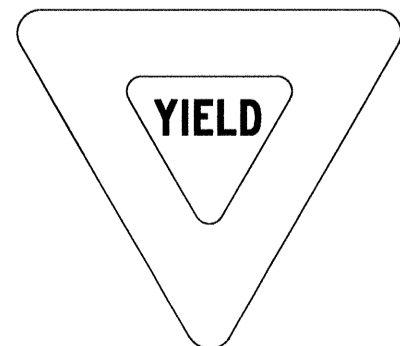
415 QUANTITY REQ'D 2



36 X 36
W3-3

ONE "U" POST PER SIGN

420 QUANTITY REQ'D 2




36 X 36 X 36
R1-2

ONE "U" POST PER SIGN


TYPE "E" SIGNS

25-OCT-2010 17:34
 F:\p\Projects-R2417AA\Traffic\Signing\CADD\Quantities & GM_Signs\Engseed.dgn
 -hennin AT 10/26/10

APPROVED: _____
 DATE: _____
 SEAL



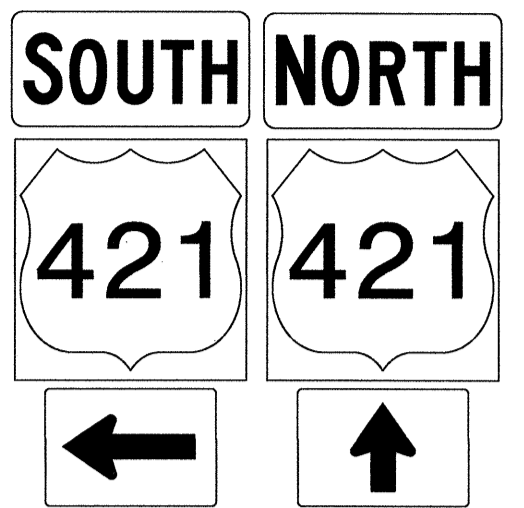
501 514 516 523 533 543



1 - 36 X 18
1 - 45 X 36

ONE "U" POST PER SIGN


507



2 - 24 X 12
2 - 30 X 24
2 - 21 X 15

TWO "U" POSTS PER SIGN

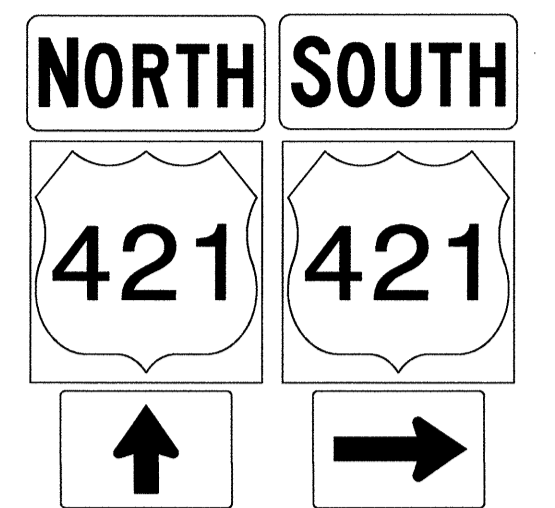
513 515 532 542



1 - 36 X 18
1 - 45 X 36

ONE "U" POST PER SIGN

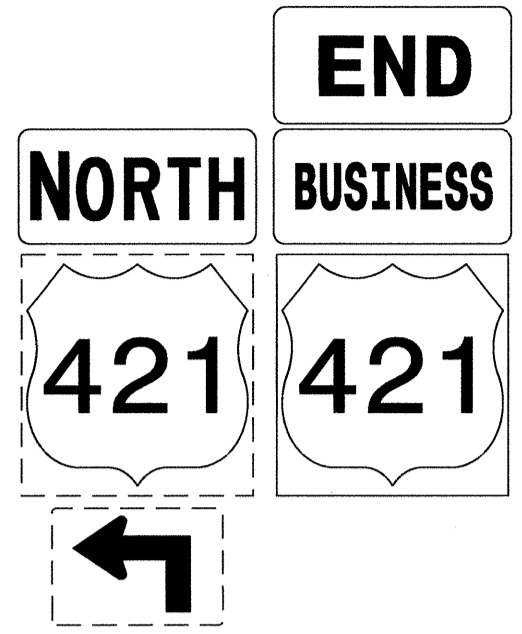
525



2 - 24 X 12
2 - 30 X 24
2 - 21 X 15

TWO "U" POSTS PER SIGN

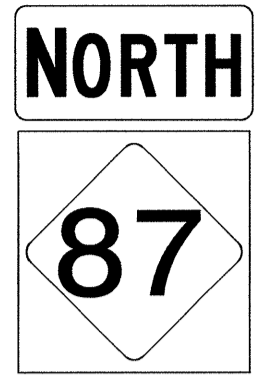
544



1 - 24 X 12
2 - 24 X 12
1 - 30 X 24

MOUNT AT EXISTING SIGN LOCATION

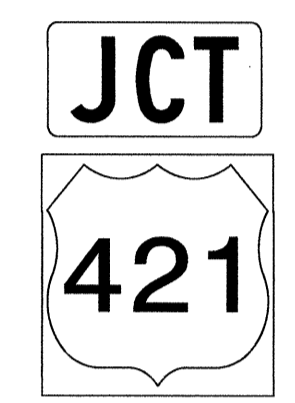
549



1 - 24 X 12
1 - 24 X 24

ONE "U" POST PER SIGN

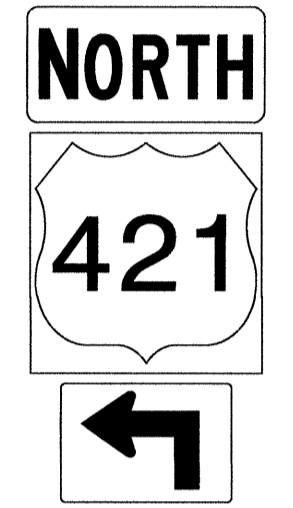
502 506 517 520 524 528 534 538



1 - 21 X 15
1 - 30 X 24

ONE "U" POST PER SIGN


508 526 536



1 - 24 X 12
1 - 30 X 24
1 - 21 X 15

ONE "U" POST PER SIGN

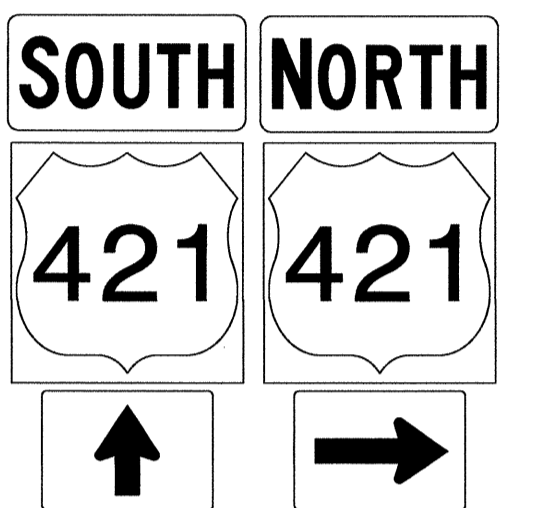
518



1 - 24 X 12
1 - 30 X 24
1 - 21 X 15

ONE "U" POST PER SIGN

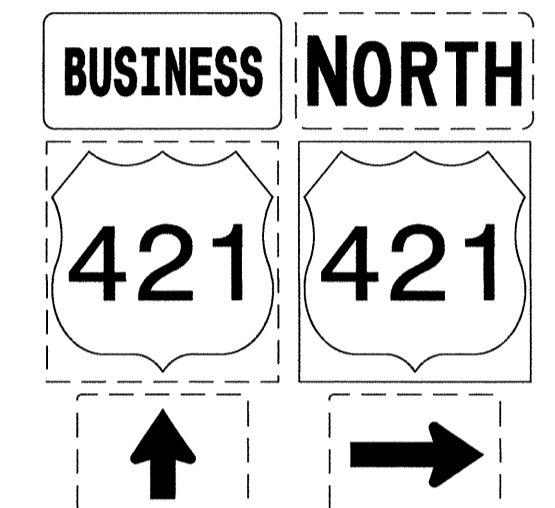
529



2 - 24 X 12
2 - 30 X 24
2 - 21 X 15

TWO "U" POSTS PER SIGN


545



1 - 24 X 12
1 - 30 X 24

MOUNT AT EXISTING SIGN LOCATION

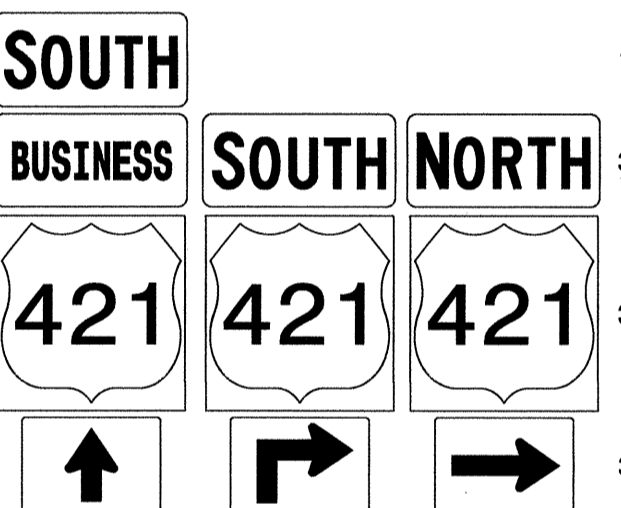
550



1 - 36 X 18
1 - 45 X 36
1 - 30 X 21

ONE "U" POST PER SIGN


503



1 - 24 X 12
3 - 24 X 12
3 - 30 X 24
3 - 21 X 15

THREE "U" POSTS PER SIGN


509



1 - 24 X 12
1 - 24 X 12
1 - 30 X 24

ONE "U" POST PER SIGN

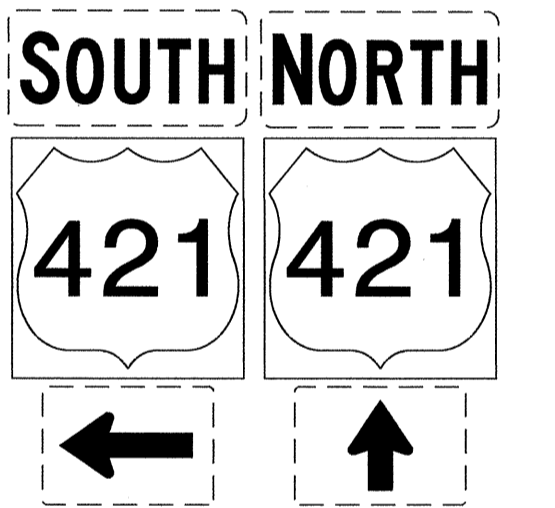
519



1 - 24 X 12
1 - 30 X 24
1 - 21 X 15

ONE "U" POST PER SIGN

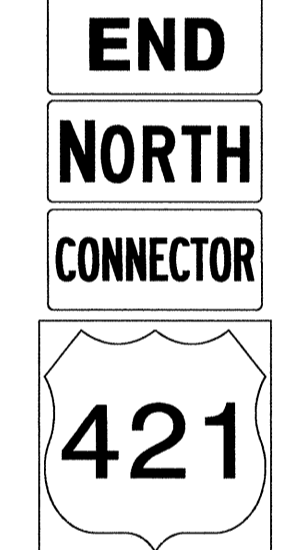
535



2 - 30 X 24

MOUNT AT EXISTING SIGN LOCATION


546



1 - 36 X 18
1 - 36 X 18
1 - 36 X 18
1 - 45 X 36

ONE "U" POST PER SIGN

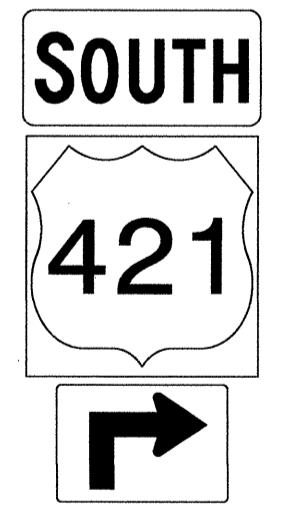
551



1 - 36 X 18
1 - 36 X 18
1 - 45 X 36

ONE "U" POST PER SIGN


504 540



1 - 24 X 12
1 - 30 X 24
1 - 21 X 15

ONE "U" POST PER SIGN


510 527 537



1 - 24 X 12
1 - 30 X 24
1 - 21 X 15

ONE "U" POST PER SIGN

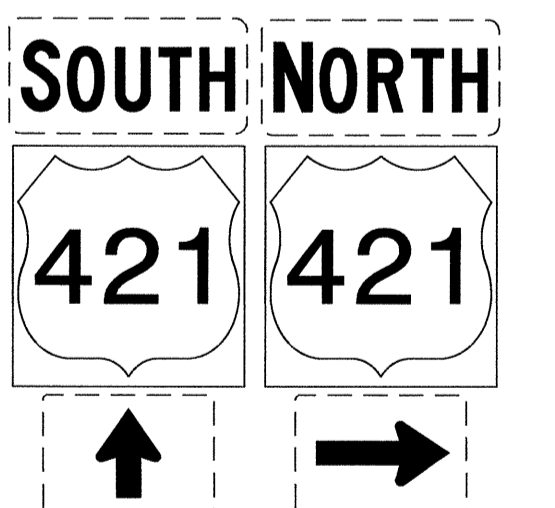
521 530



1 - 24 X 12
1 - 30 X 24
1 - 21 X 15

ONE "U" POST PER SIGN

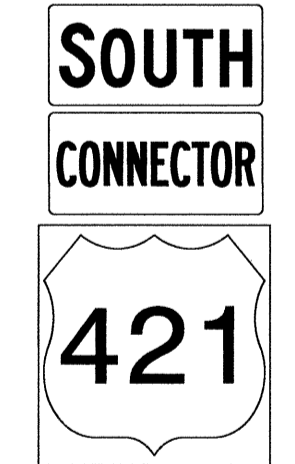
539



2 - 30 X 24

MOUNT AT EXISTING SIGN LOCATION

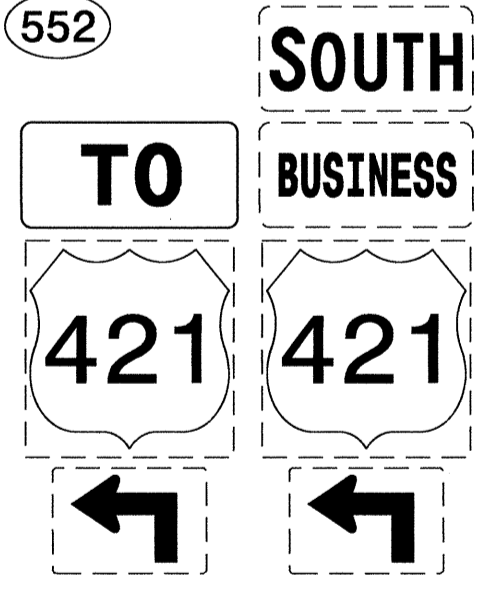
547



1 - 36 X 18
1 - 36 X 18
1 - 45 X 36

ONE "U" POST PER SIGN

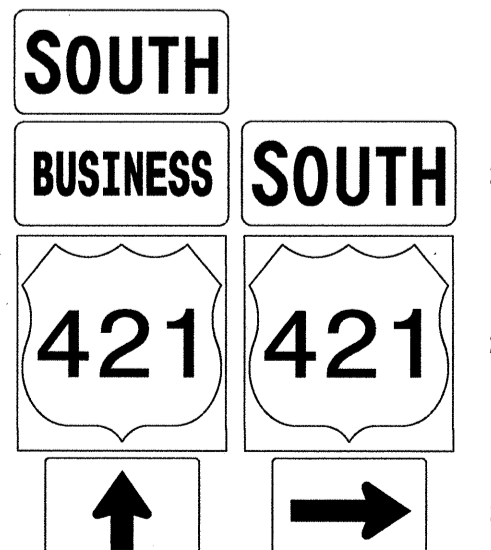
552



1 - 24 X 12

MOUNT AT EXISTING SIGN LOCATION

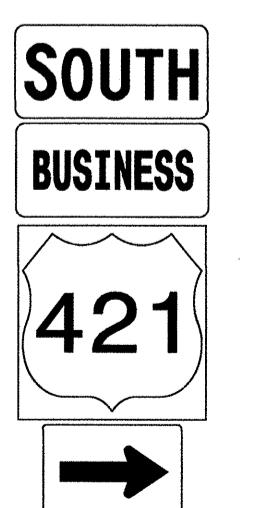
505



1 - 24 X 12
2 - 24 X 12
2 - 30 X 24
2 - 21 X 15

TWO "U" POSTS PER SIGN


511 512



1 - 24 X 12
1 - 24 X 12
1 - 30 X 24
1 - 21 X 15

ONE "U" POST PER SIGN
MOUNT BELOW SIGN 306
IN 1 INSTALLATION

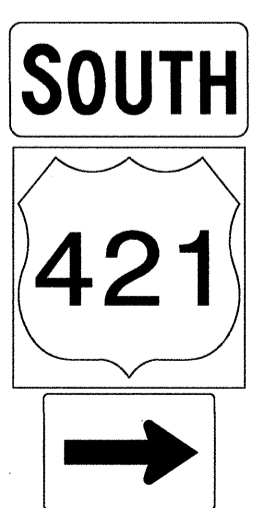
522 531



1 - 24 X 12
1 - 30 X 24
1 - 21 X 15

ONE "U" POST PER SIGN

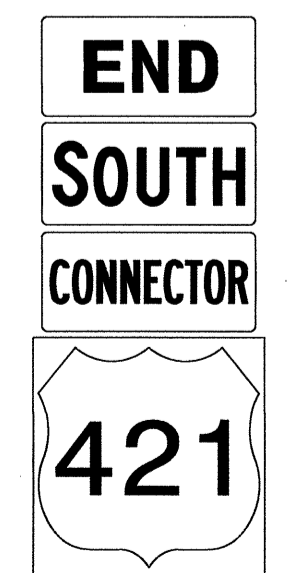
541



1 - 24 X 12
1 - 30 X 24
1 - 21 X 15

ONE "U" POST PER SIGN

548



1 - 36 X 18
1 - 36 X 18
1 - 36 X 18
1 - 45 X 36

ONE "U" POST PER SIGN

TYPE "F" SIGNS

25-OCT-2010 17:01
 P:\TIP-objects\1241744\Traffic\Signing\CADD\Quantities & GM Signs\Engseed.dgn
 Hennen AT 12/27/04

553

MOUNT AT EXISTING SIGN LOCATION

558 560

ONE "U" POST PER SIGN

QUANTITY REQ'D 2

MILE 153

12 X 48

QUANTITY REQ'D 2

MILE 148

12 X 48

554

MOUNT AT EXISTING SIGN LOCATION

559 561

ONE "U" POST PER SIGN

QUANTITY REQ'D 2

MILE 152

12 X 48

QUANTITY REQ'D 2

MILE 151

12 X 48

SIGN NUMBER: 546,547,548,551 BACKG COLOR: White COPY COLOR: Black

TYPE: F QUANTITY: 4 SIGN WIDTH: 36" HEIGHT: 18" TOTAL AREA: 4.5 Sq.Ft.

BORDER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.63" RADII: 1.5"

NO. Z BARS: LENGTH: MAT'L: 0.080" (2.0 mm) ALUMINUM

DESIGN BY: R. HENNEIN CHECKED BY: SBKunz DATE: Sep 15, 2010

PROJECT ID: R-2417AA DIV: 8

USE NOTES

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
B 2000	31.4

NORTH CAROLINA D.O.T. SIGN DETAIL

555

MOUNT AT EXISTING SIGN LOCATION

562 THRU 583

MOUNT AT EXISTING SIGN LOCATIONS FOR US 421 BUSINESS AS DIRECTED BY ENGINEER

QUANTITY REQ'D 2

MILE 150

12 X 48

QUANTITY REQ'D 2

MILE 149

12 X 48

556

ONE "U" POST PER SIGN

QUANTITY REQ'D 2

MILE 150

12 X 48

QUANTITY REQ'D 2

MILE 149

12 X 48

557

MOUNT AT EXISTING SIGN LOCATION

QUANTITY REQ'D 2

MILE 149

12 X 48

QUANTITY REQ'D 2

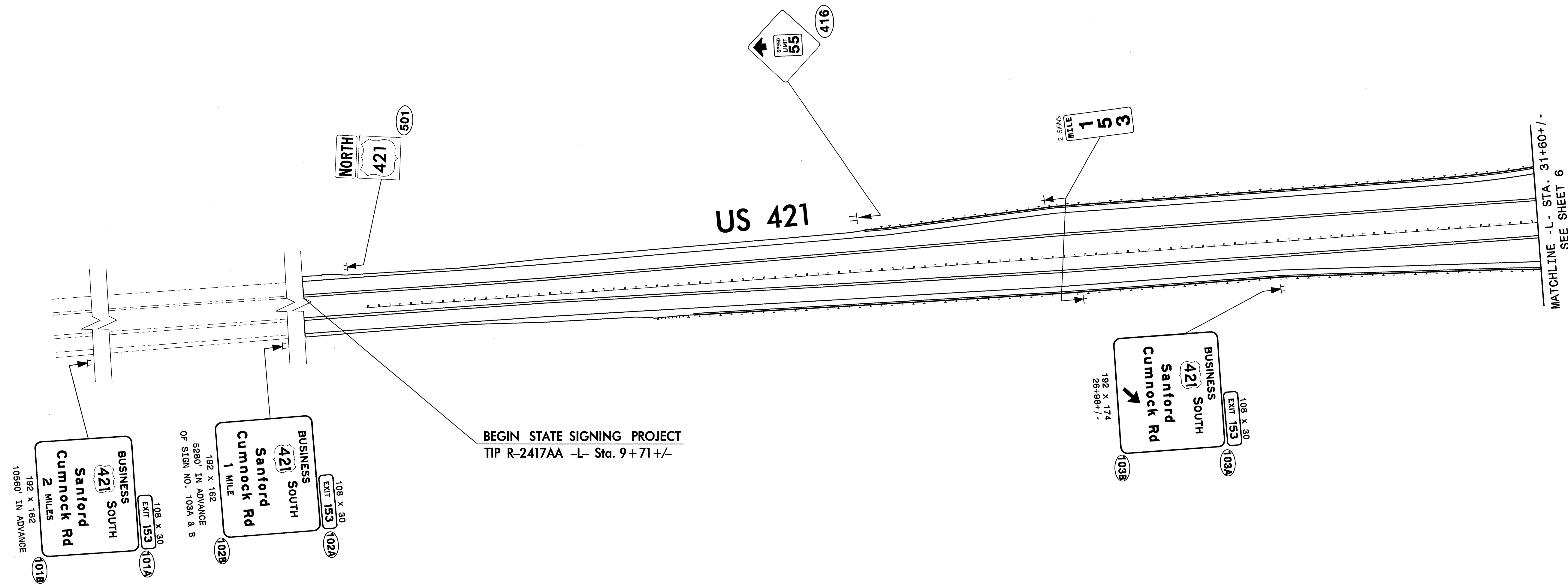
MILE 149

12 X 48

TYPE "F" SIGNS & MILEMARKERS

08-OCT-2010 11:54 P:\TIP\Projects\122417AA\Traffic\Signing\CADD\Quantities & GM Signs\Engseed.dgn rhennein AT 12/27/10

TIP NO. R-2417AA	SHEET NO. SIGN-5
APPROVED: _____	
DATE: _____	
SEAL	



BEGIN STATE SIGNING PROJECT
TIP R-2417AA -L- Sta. 9+71+/-

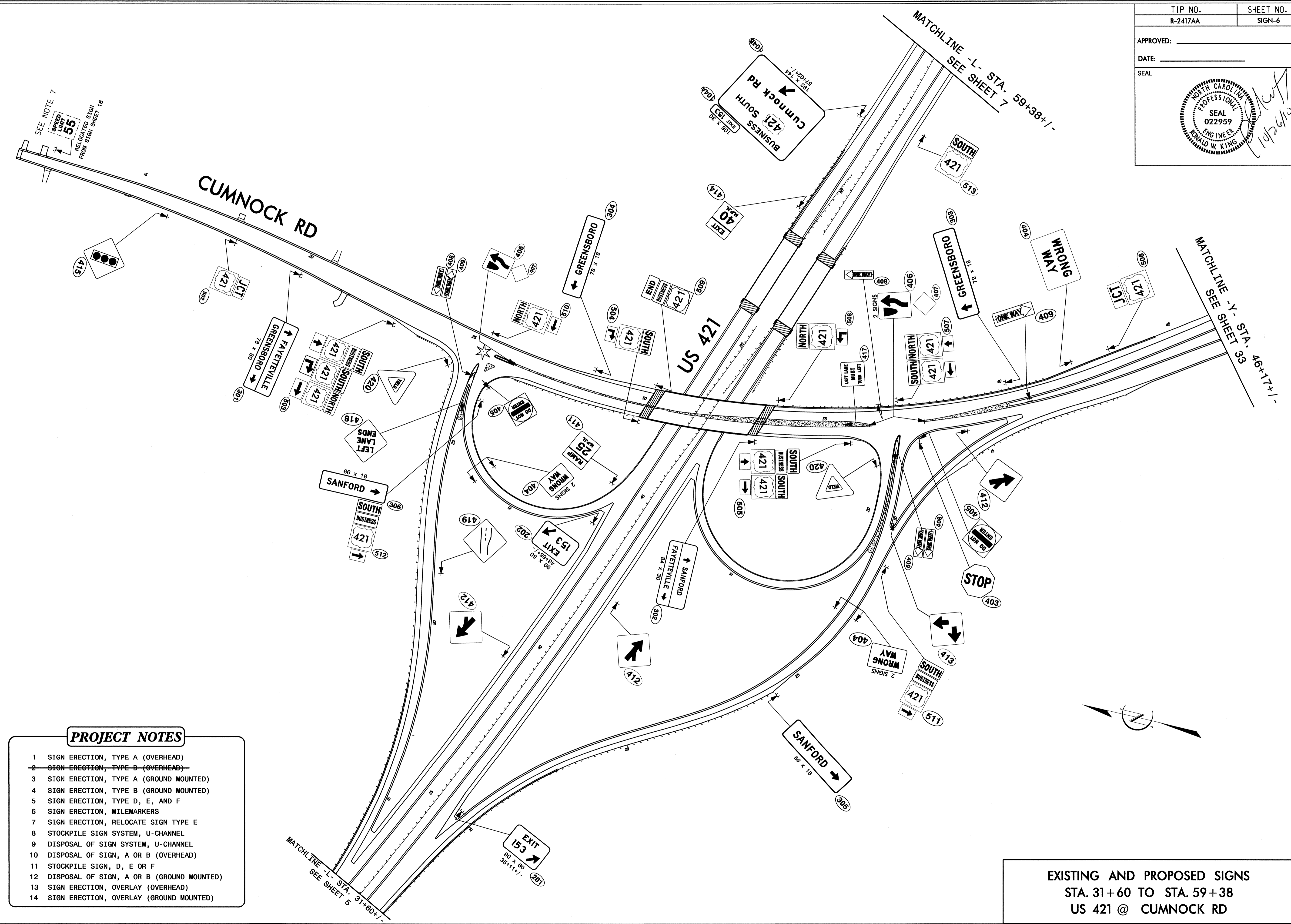
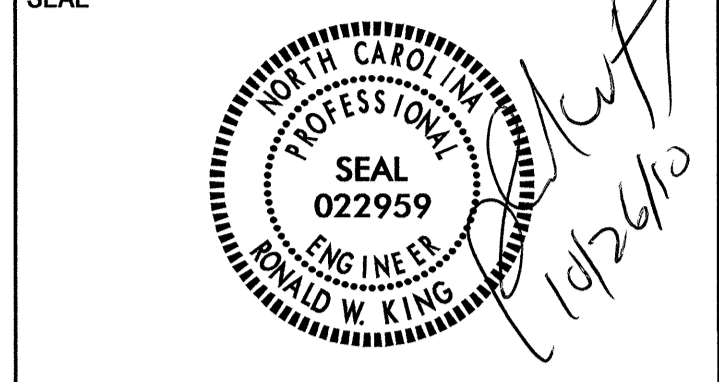
PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
- 6 SIGN ERECTION, MILEMARKERS
- 7 SIGN ERECTION, RELOCATE SIGN TYPE E
- 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
- 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

EXISTING AND PROPOSED SIGNS
STA. 9+71 TO STA. 31+61
US 421

08-OCT-2010 10:47
 P:\TIPR\Projects\R-2417AA\Traffic\Signing\CADD\Signing Layout Plans\R-2417AA_Sgn-5.dgn
 Rhennein AT 1E247534

APPROVED: _____
 DATE: _____



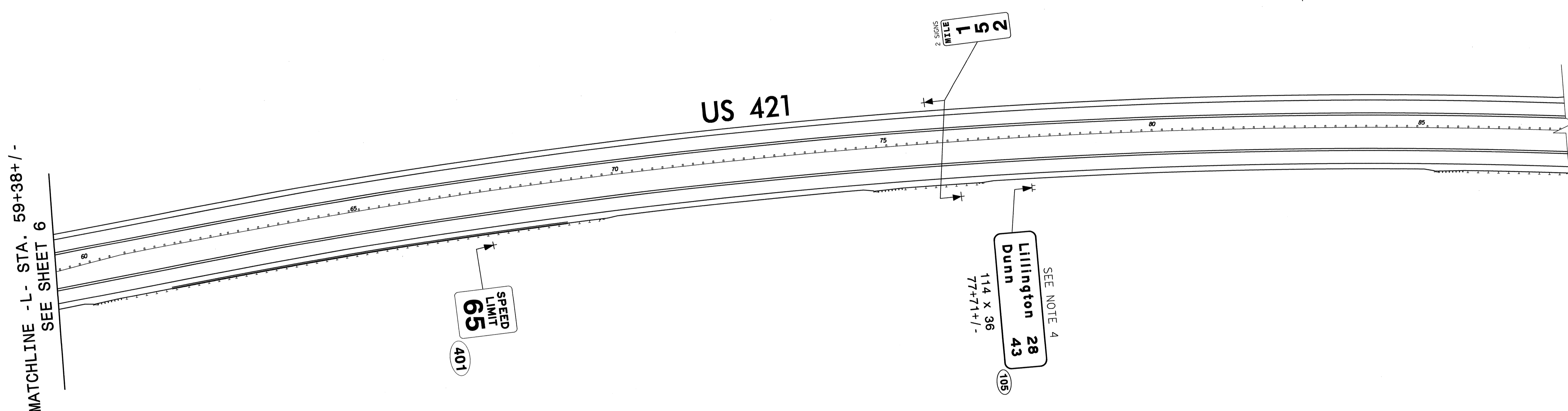
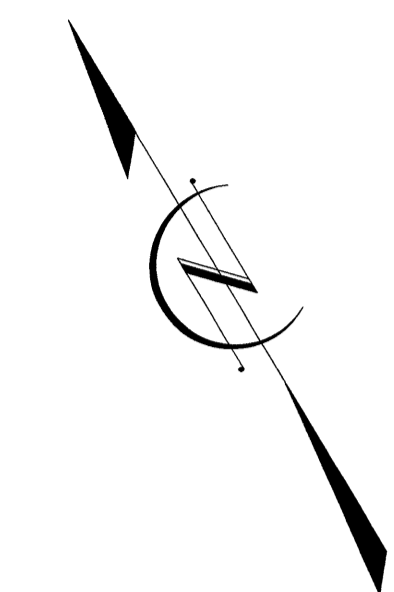
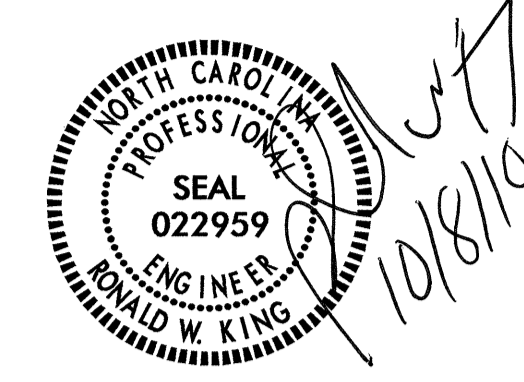
PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- 2 SIGN ERECTION, TYPE B (OVERHEAD)
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
- 6 SIGN ERECTION, MILEMARKERS
- 7 SIGN ERECTION, RELOCATE SIGN TYPE E
- 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
- 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

EXISTING AND PROPOSED SIGNS
 STA. 31+60 TO STA. 59+38
 US 421 @ CUMNOCK RD

26-001-2010 15:47
 P:\TIPR-proj\2417AA\Traffic\Signing\CADD\Signing Layout\Plans\R-2417AA-Sgn-6.dgn
 F:\TIPR-proj\2417AA\Traffic\Signing\CADD\Signing Layout\Plans\R-2417AA-Sgn-6.dgn
 F:\TIPR-proj\2417AA\Traffic\Signing\CADD\Signing Layout\Plans\R-2417AA-Sgn-6.dgn

TIP NO. R-2417AA	SHEET NO. SIGN-7
APPROVED: _____	
DATE: _____	
SEAL	



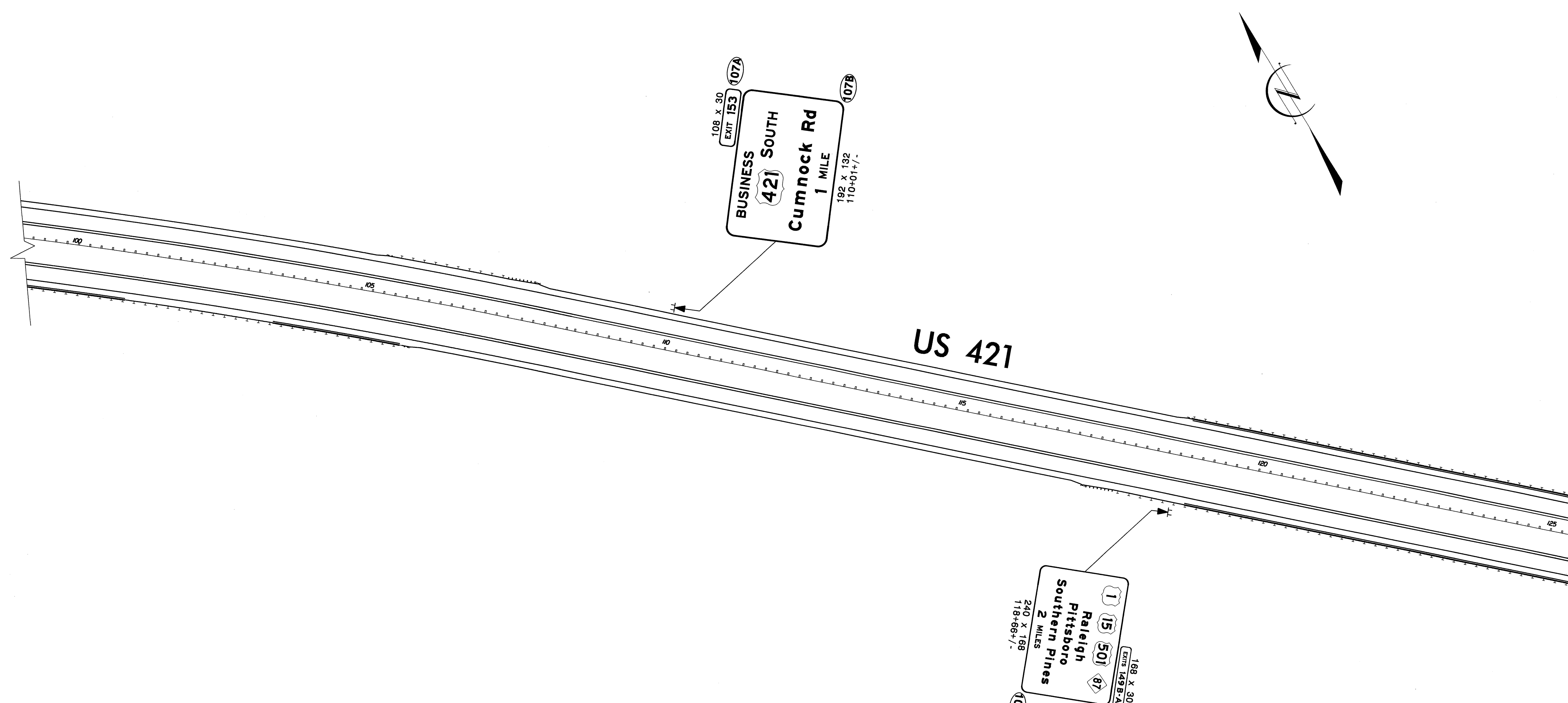
PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
- 6 SIGN ERECTION, MILEMARKERS
- 7 SIGN ERECTION, RELOCATE SIGN TYPE E
- 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
- 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
STA. 59+38 TO BREAKLINE
US 421**

08-OCT-2010 10:45
 F:\IP\Projects\2417AA\Traffic\Signing\CADD\Signing_Layout\Plans\R-2417AA_Sgn_7.dgn
 Pherrin AT 12/27/10

TIP NO. R-2417AA	SHEET NO. SIGN-8
APPROVED: _____	
DATE: _____	
SEAL	



MATCHLINE -L- STA. 125+58+/-
SEE SHEET 9

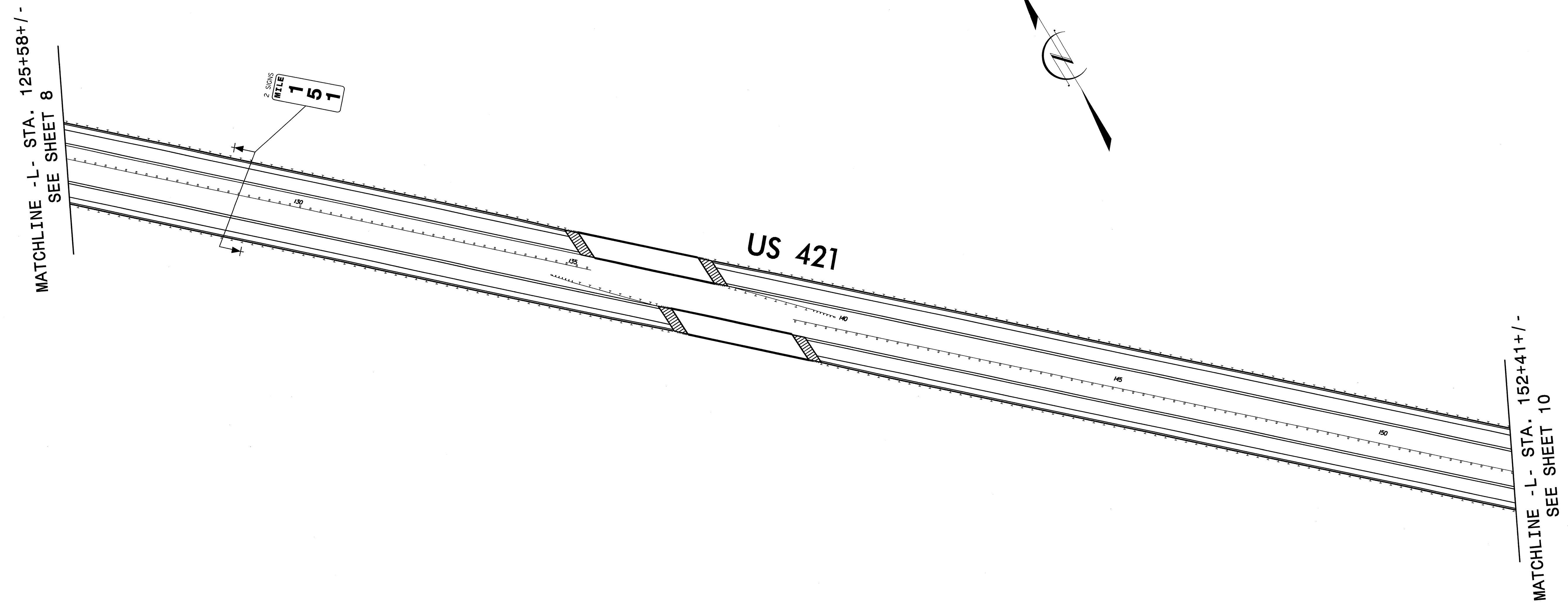
PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
- 6 SIGN ERECTION, MILEMARKERS
- 7 SIGN ERECTION, RELOCATE SIGN TYPE E
- 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
- 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
BREAKLINE TO STA. 125 + 58
US 421**

08-001-2010 lit30
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 windbrew AT 12/24/10

TIP NO. R-2417AA	SHEET NO. SIGN-9
APPROVED: _____	
DATE: _____	
SEAL	



PROJECT NOTES

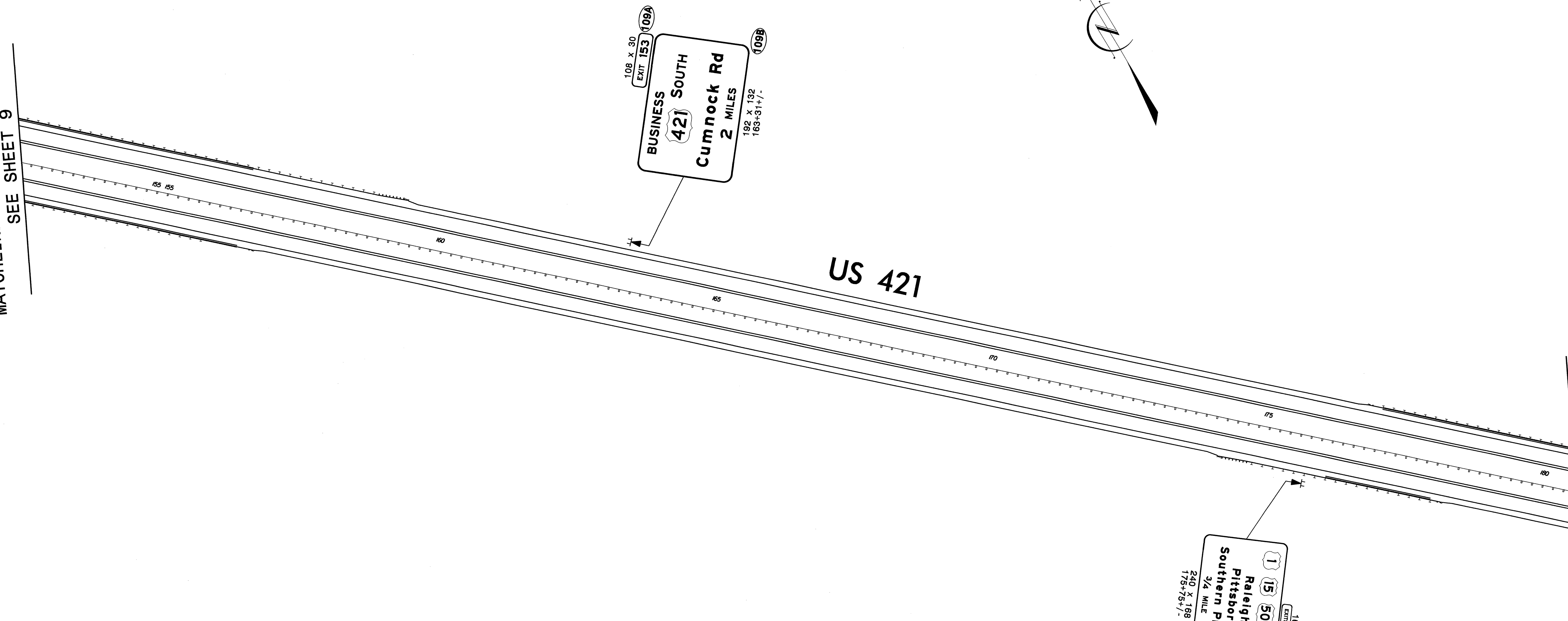
- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
- 6 SIGN ERECTION, MILEMARKERS
- 7 SIGN ERECTION, RELOCATE SIGN TYPE E
- 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
- 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
STA. 125+58 TO STA. 152+41
US 421**

08-OCT-2010 10:44
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 P:\TIPR-proj\03-10-10\2417AA\Traffic\Signing\CADD\Signing Layout Plans\R-2417AA-Sgn-9.dgn



MATCHLINE -L- STA. 152+41+/-
SEE SHEET 9



MATCHLINE -L- STA. 180+58+/-
SEE SHEET 11

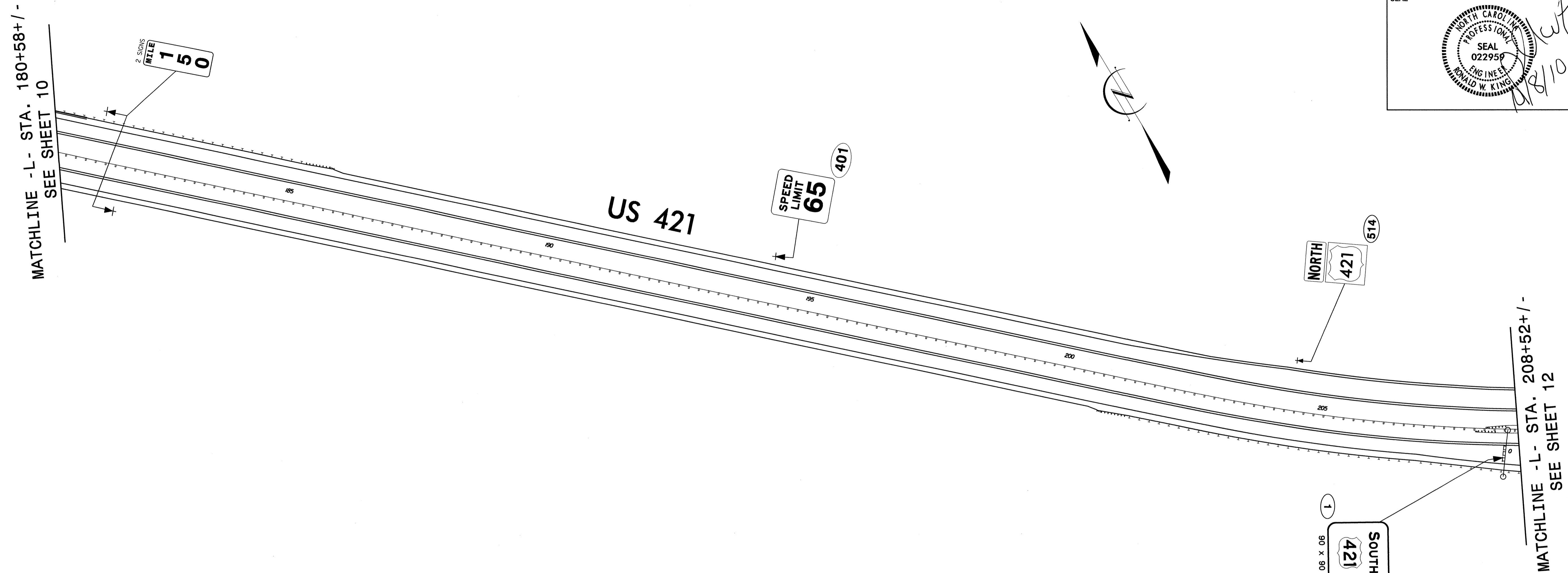
PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
- 6 SIGN ERECTION, MILEMARKERS
- 7 SIGN ERECTION, RELOCATE SIGN TYPE E
- 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
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- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
STA. 152+41 TO STA. 180+58
US 421**

TIP NO. R-2714AA	SHEET NO. SIGN-11
APPROVED: _____	
DATE: _____	
SEAL	

RONALD W. KING
ENGINEER
SEAL
022959
NORTH CAROLINA PROFESSIONAL ENGINEERS



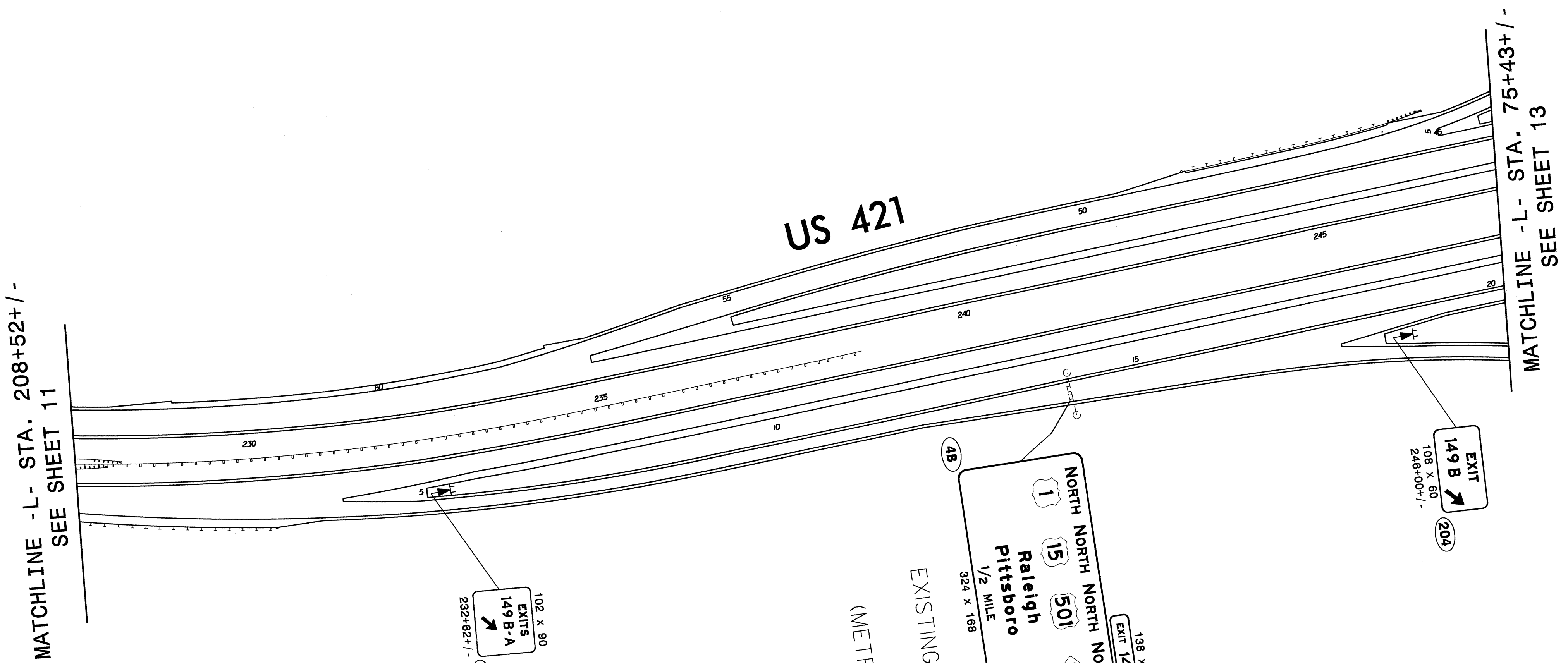
PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
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- 6 SIGN ERECTION, MILEMARKERS
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- 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
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- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

OVERHEAD ASSEMBLY "A"
STA. 227+36 +/-

**EXISTING AND PROPOSED SIGNS
STA. 180+58 TO STA. 208+52
US 421**

08-OCT-2010 12:45
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 windbrew AT 11/24/09

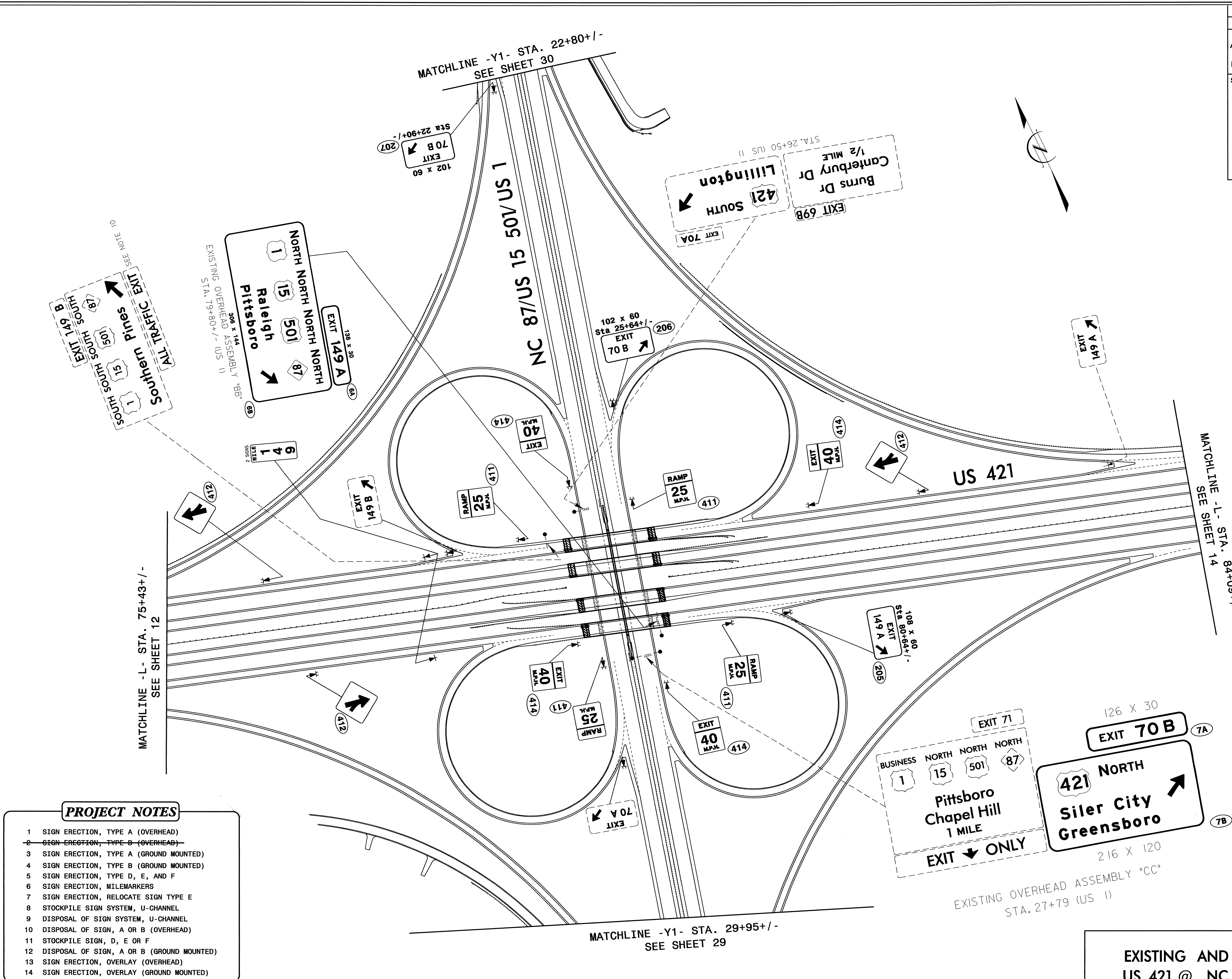
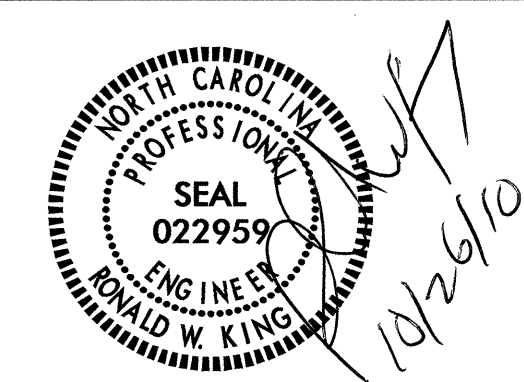


PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
- 6 SIGN ERECTION, MILEMARKERS
- 7 SIGN ERECTION, RELOCATE SIGN TYPE E
- 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
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- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
US 421 @ NC 87/US 15 501/US 1**

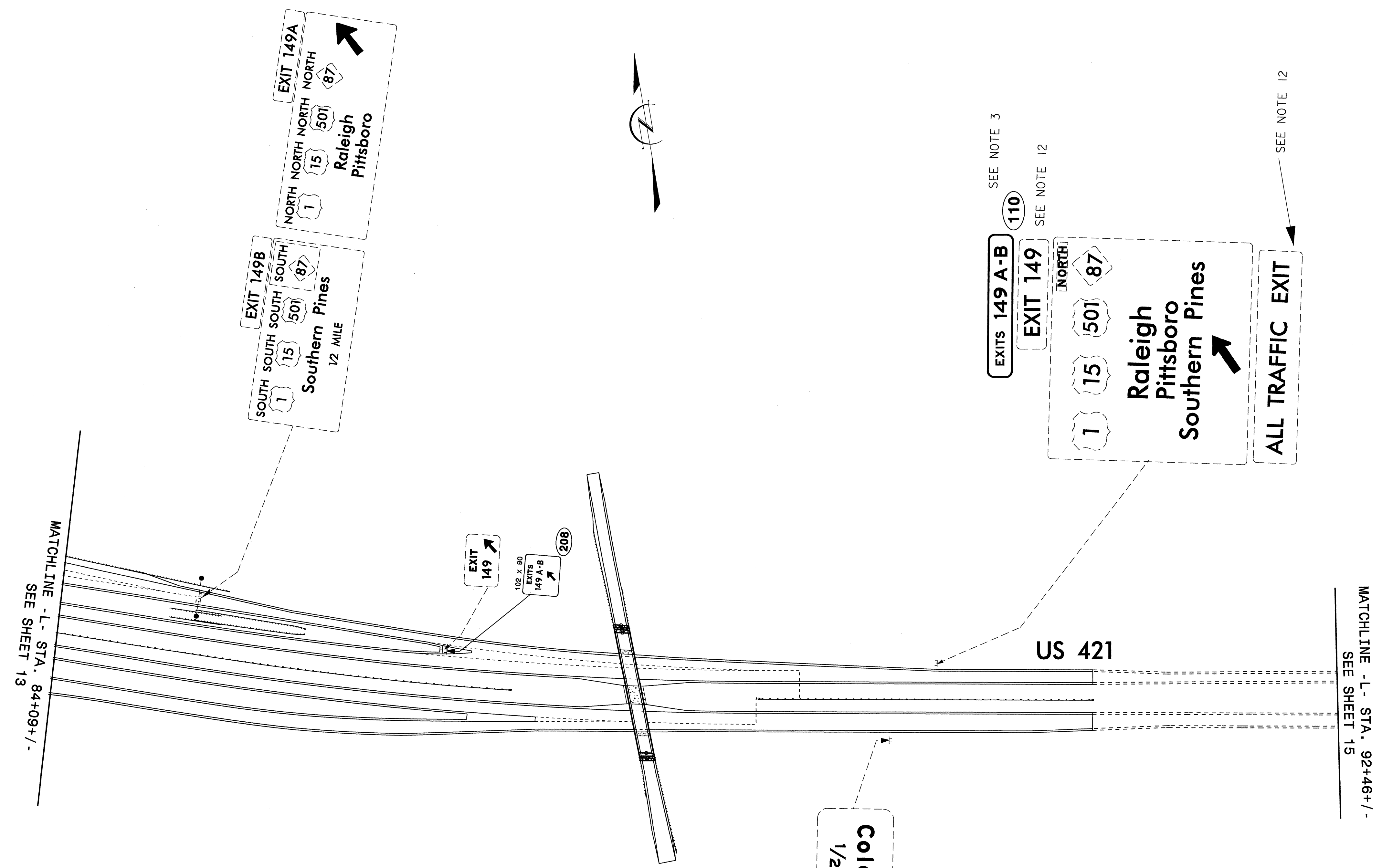
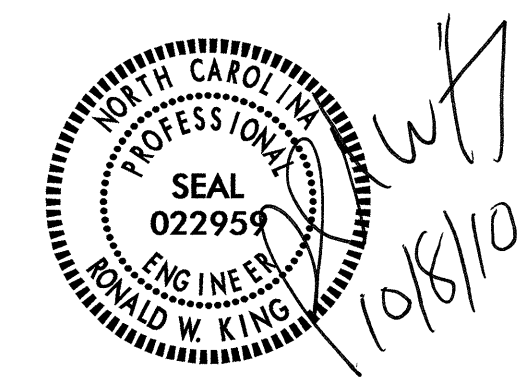




- PROJECT NOTES**
- SIGN ERECTION, TYPE A (OVERHEAD)
 - SIGN ERECTION, TYPE B (OVERHEAD)
 - SIGN ERECTION, TYPE A (GROUND MOUNTED)
 - SIGN ERECTION, TYPE B (GROUND MOUNTED)
 - SIGN ERECTION, TYPE D, E, AND F
 - SIGN ERECTION, MILEMARKERS
 - SIGN ERECTION, RELOCATE SIGN TYPE E
 - STOCKPILE SIGN SYSTEM, U-CHANNEL
 - DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - DISPOSAL OF SIGN, A OR B (OVERHEAD)
 - STOCKPILE SIGN, D, E OR F
 - DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
 - SIGN ERECTION, OVERLAY (OVERHEAD)
 - SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
US 421 @ NC 87/US 15 50/US 1**

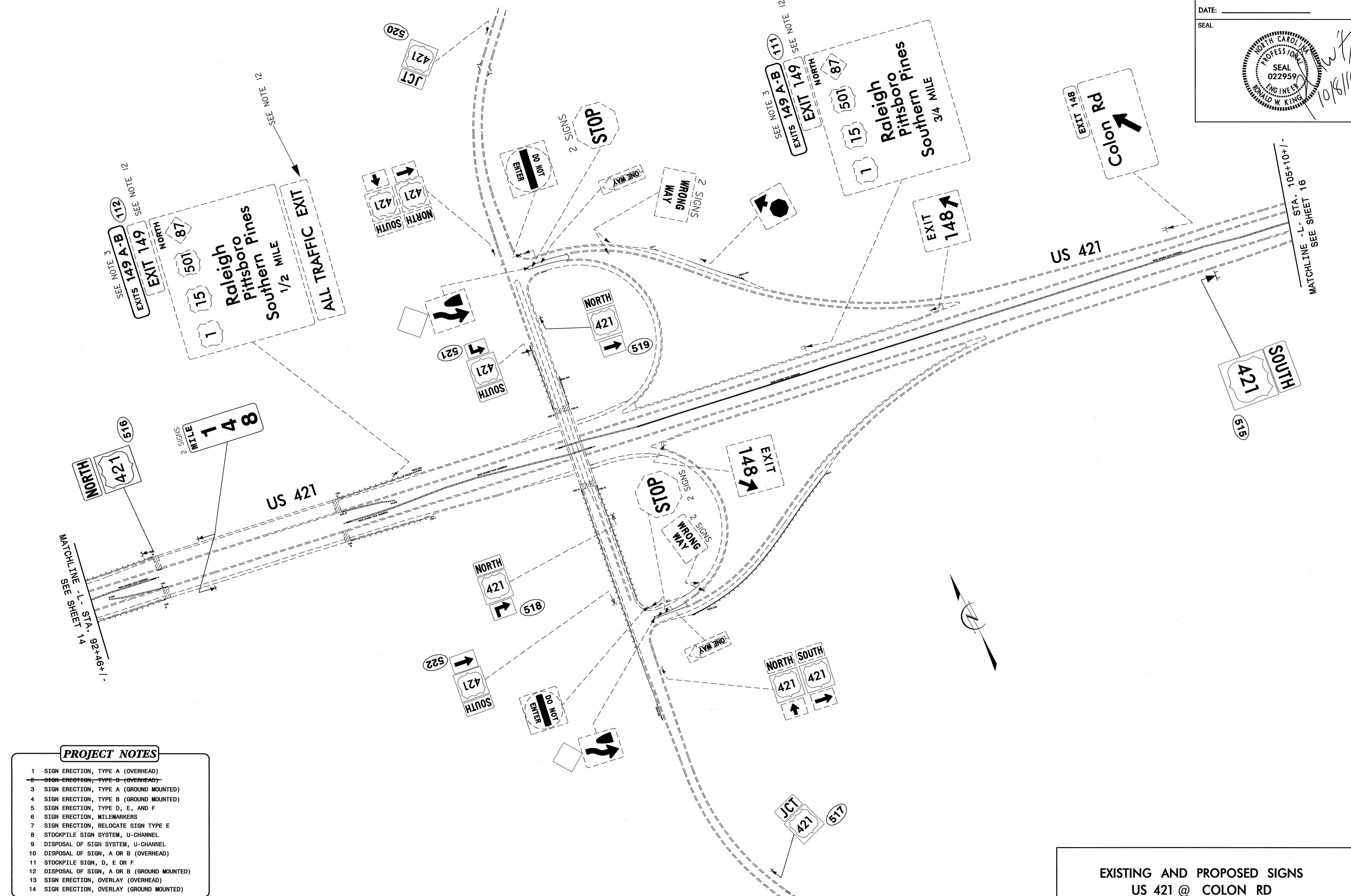
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- PROJECT NOTES**
- 1 SIGN ERECTION, TYPE A (OVERHEAD)
 - ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
 - 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
 - 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
 - 5 SIGN ERECTION, TYPE D, E, AND F
 - 6 SIGN ERECTION, MILEMARKERS
 - 7 SIGN ERECTION, RELOCATE SIGN TYPE E
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 - 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
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 - 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
 - 13 SIGN ERECTION, OVERLAY (OVERHEAD)
 - 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

EXISTING AND PROPOSED SIGNS
 STA. 84 + 09 TO 92 + 46
 US 421

08-OCT-2010 10:48 P:\TIP\Projects\1024179AA\Traffic\Signing\CADD\Signing_Layout\Plans\R-2417AA_Sgn-14.dgn
 rhennein AT 11/24/10

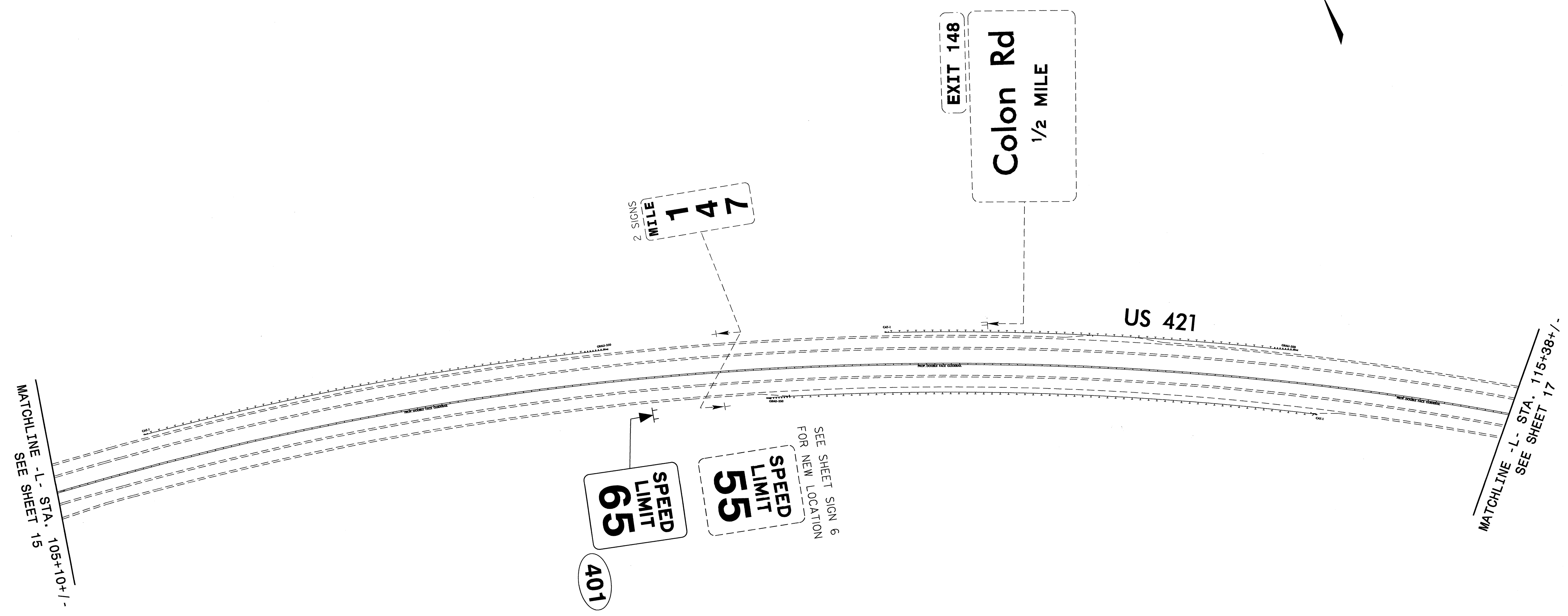


- PROJECT NOTES**
- 1 SIGN ERECTION, TYPE A (OVERHEAD)
 - 2 SIGN ERECTION, TYPE B (OVERHEAD)
 - 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
 - 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
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 - 6 SIGN ERECTION, MILEMARKERS
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 - 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
 - 13 SIGN ERECTION, OVERLAY (OVERHEAD)
 - 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
US 421 @ COLON RD**

08-OCT-2010 10:15
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 rhennein AT 11/24/10

TIP NO. R-2714AA	SHEET NO. SIGN-16
APPROVED: _____	
DATE: _____	
SEAL	



PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
- 6 SIGN ERECTION, MILEMARKERS
- 7 SIGN ERECTION, RELOCATE SIGN TYPE E
- 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
- 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

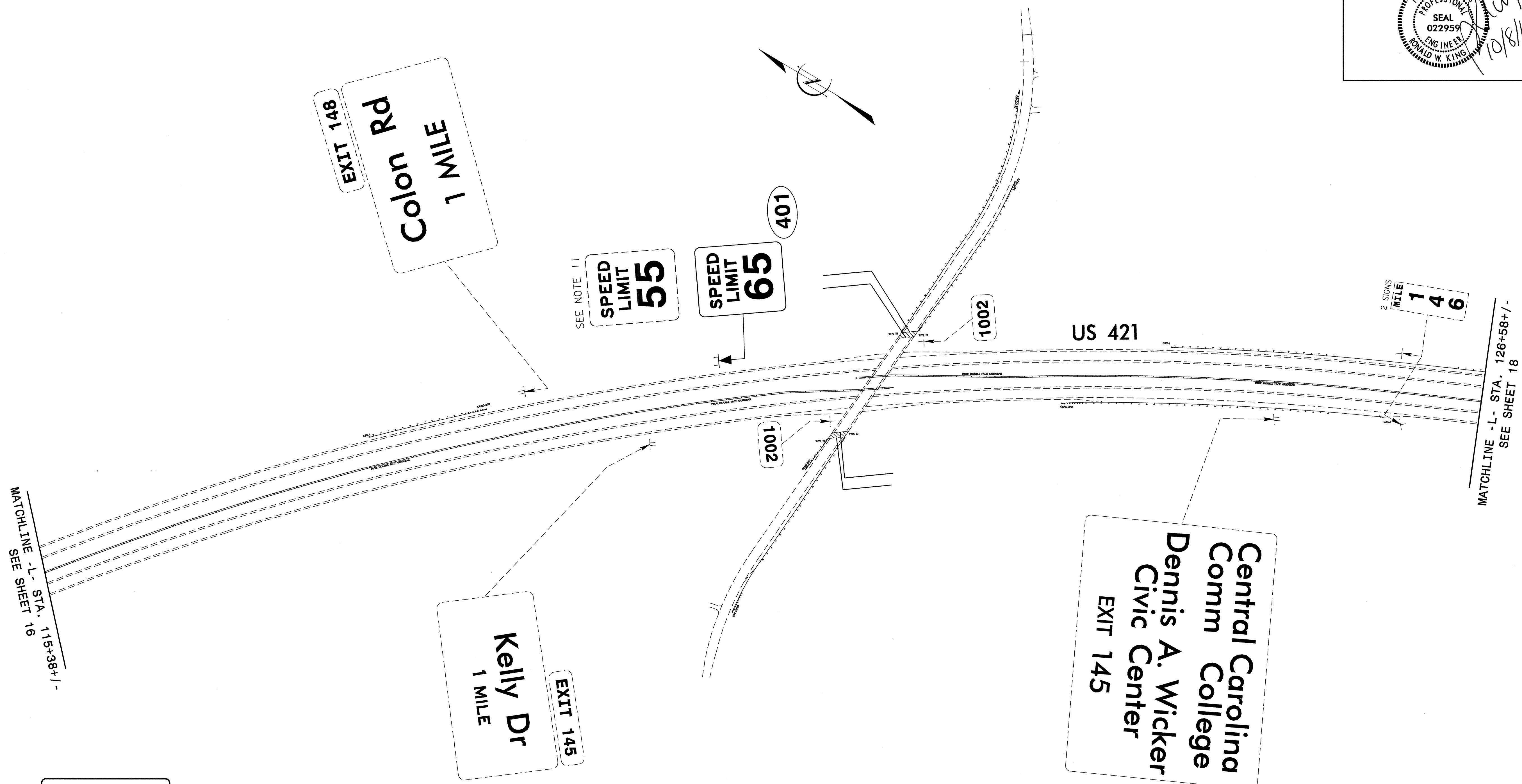
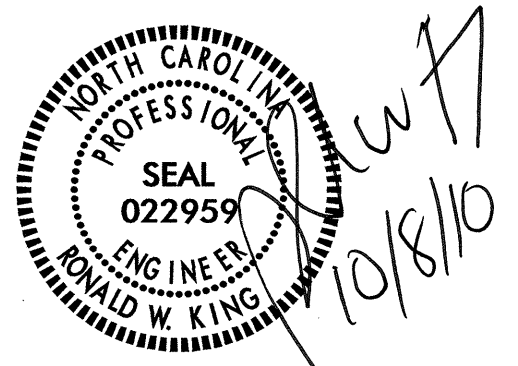
**EXISTING AND PROPOSED SIGNS
US 421**

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APPROVED: _____

DATE: _____

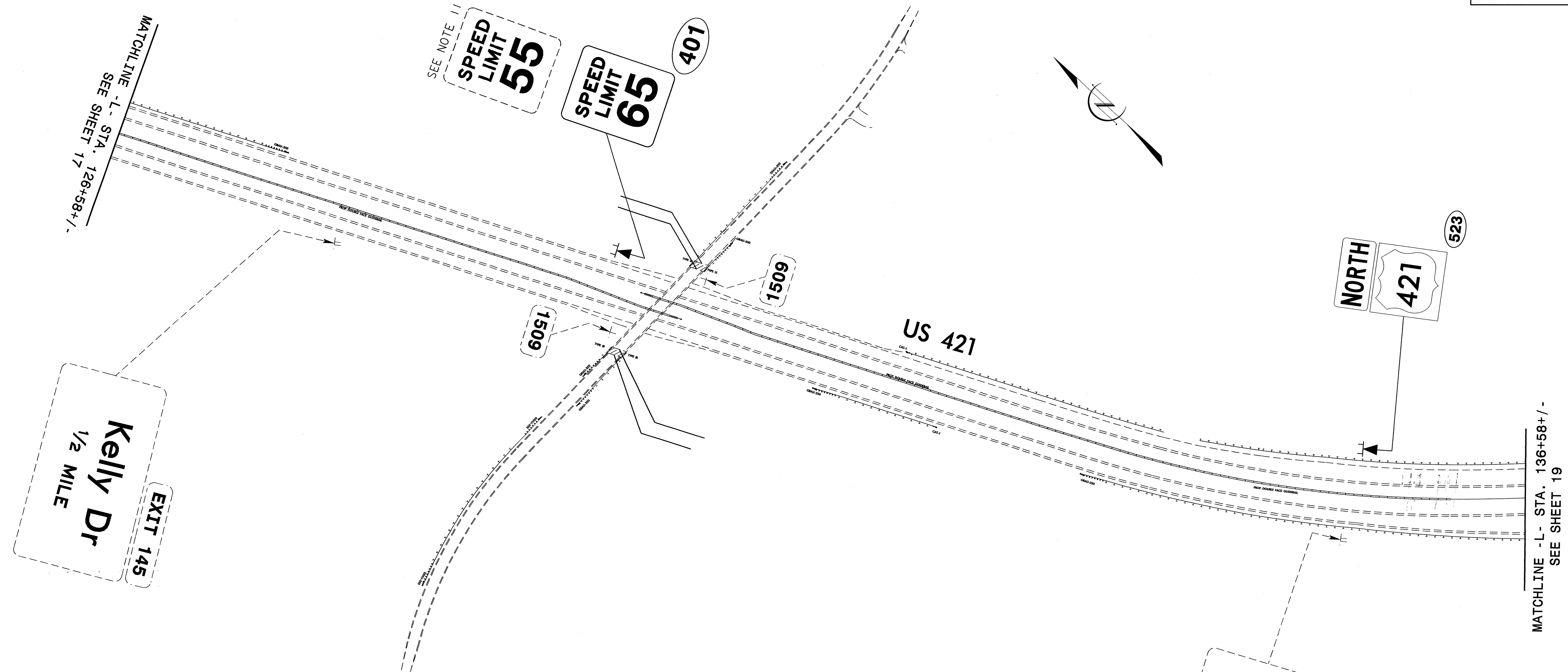
SEAL



- PROJECT NOTES**
- 1 SIGN ERECTION, TYPE A (OVERHEAD)
 - 2 SIGN ERECTION, TYPE B (OVERHEAD)
 - 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
 - 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
 - 5 SIGN ERECTION, TYPE D, E, AND F
 - 6 SIGN ERECTION, MILEMARKERS
 - 7 SIGN ERECTION, RELOCATE SIGN TYPE E
 - 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
 - 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
 - 11 STOCKPILE SIGN, D, E OR F
 - 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
 - 13 SIGN ERECTION, OVERLAY (OVERHEAD)
 - 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
US 421**

TIP NO. R-2417AA	SHEET NO. SIGN-18
APPROVED: _____	
DATE: _____	
SEAL	

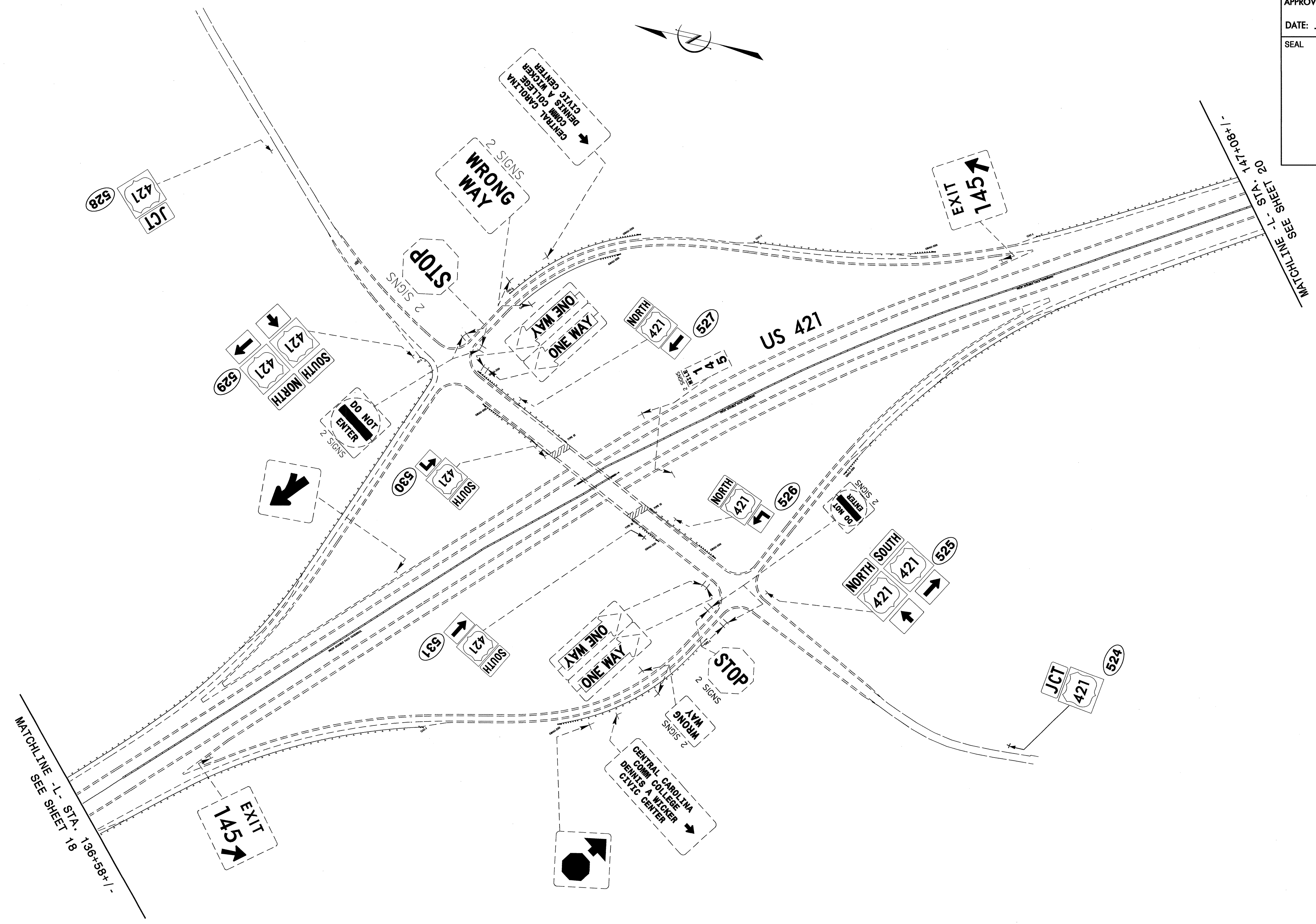
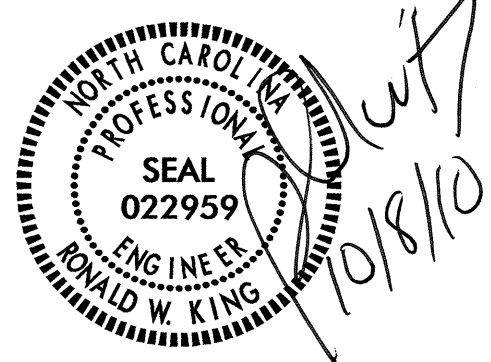


PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- 2 SIGN ERECTION, TYPE B (OVERHEAD)
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
- 6 SIGN ERECTION, MILEMARKERS
- 7 SIGN ERECTION, RELOCATE SIGN TYPE E
- 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
- 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
US 421**

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 rhennein AT 11/24/10

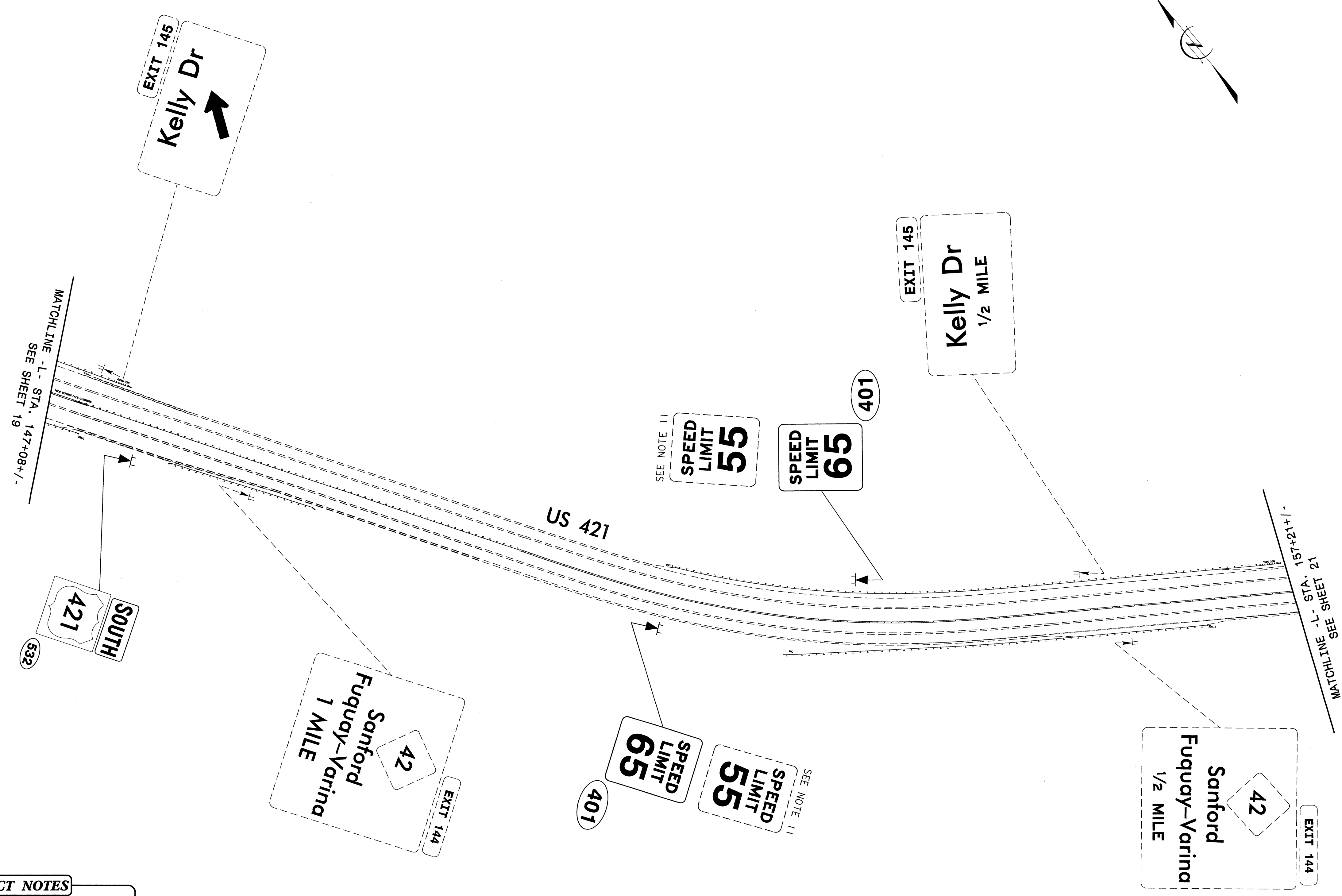
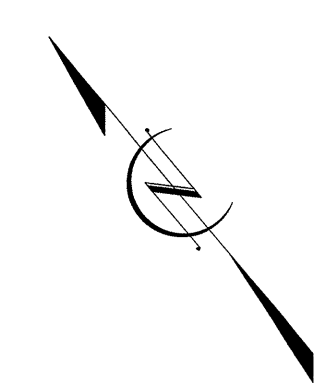


PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- 2 SIGN ERECTION, TYPE B (OVERHEAD)
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
- 6 SIGN ERECTION, MILEMARKERS
- 7 SIGN ERECTION, RELOCATE SIGN TYPE E
- 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
- 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
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- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
US 421**

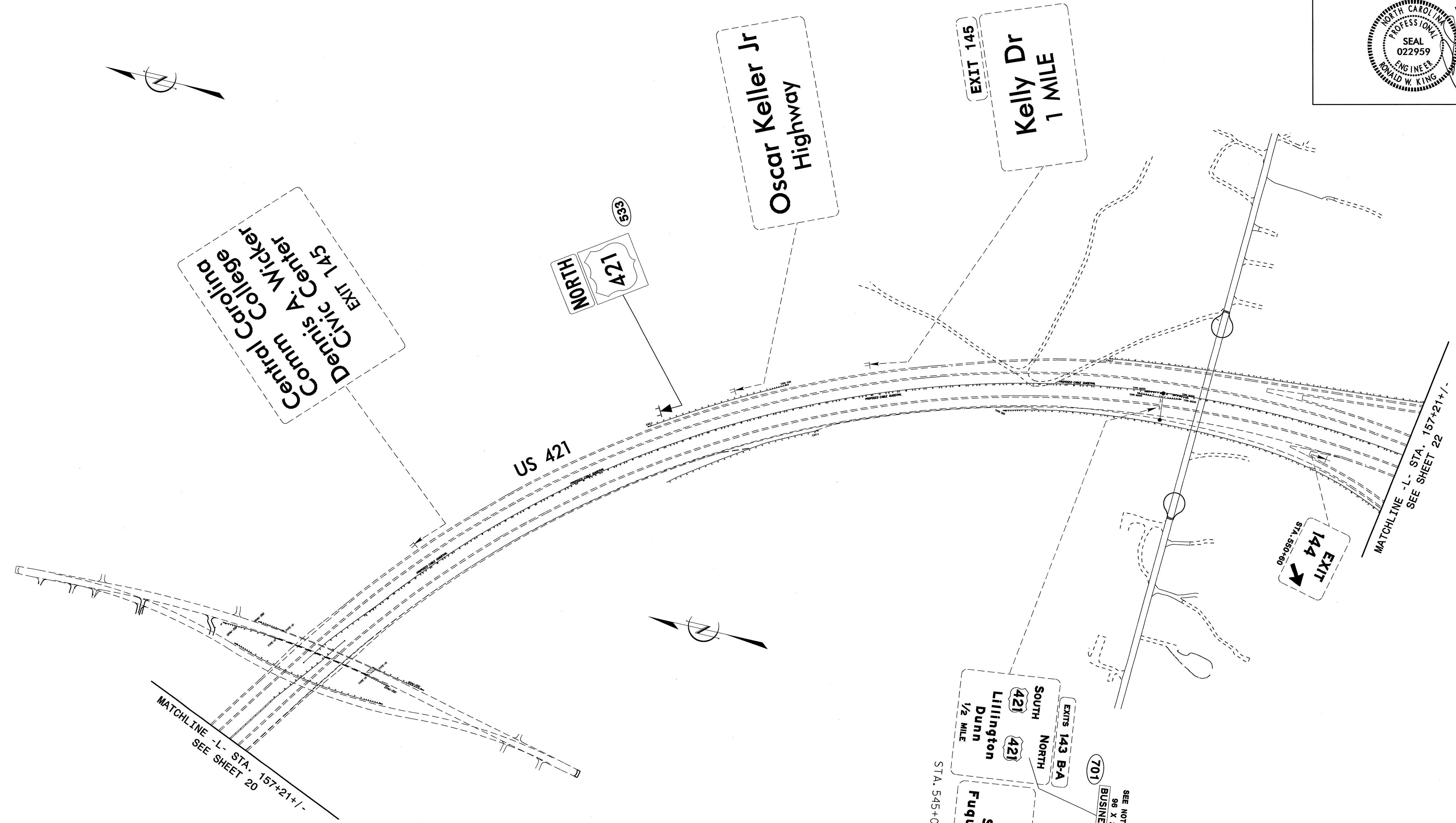
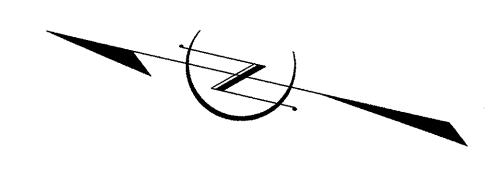
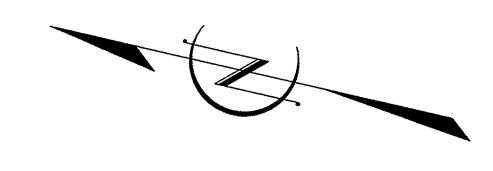
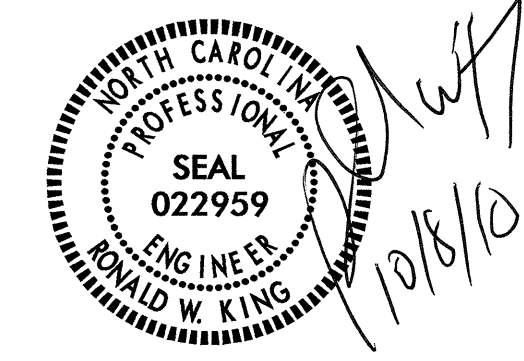
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 rhennein AT 1E247534



- PROJECT NOTES**
- 1 SIGN ERECTION, TYPE A (OVERHEAD)
 - 2 ~~SIGN ERECTION, TYPE B (OVERHEAD)~~
 - 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
 - 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
 - 5 SIGN ERECTION, TYPE D, E, AND F
 - 6 SIGN ERECTION, MILEMARKERS
 - 7 SIGN ERECTION, RELOCATE SIGN TYPE E
 - 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
 - 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
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 - 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
 - 13 SIGN ERECTION, OVERLAY (OVERHEAD)
 - 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

EXISTING AND PROPOSED SIGNS
US 421

07-OCT-2010 10:47
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 rhennein AT 10/24/10



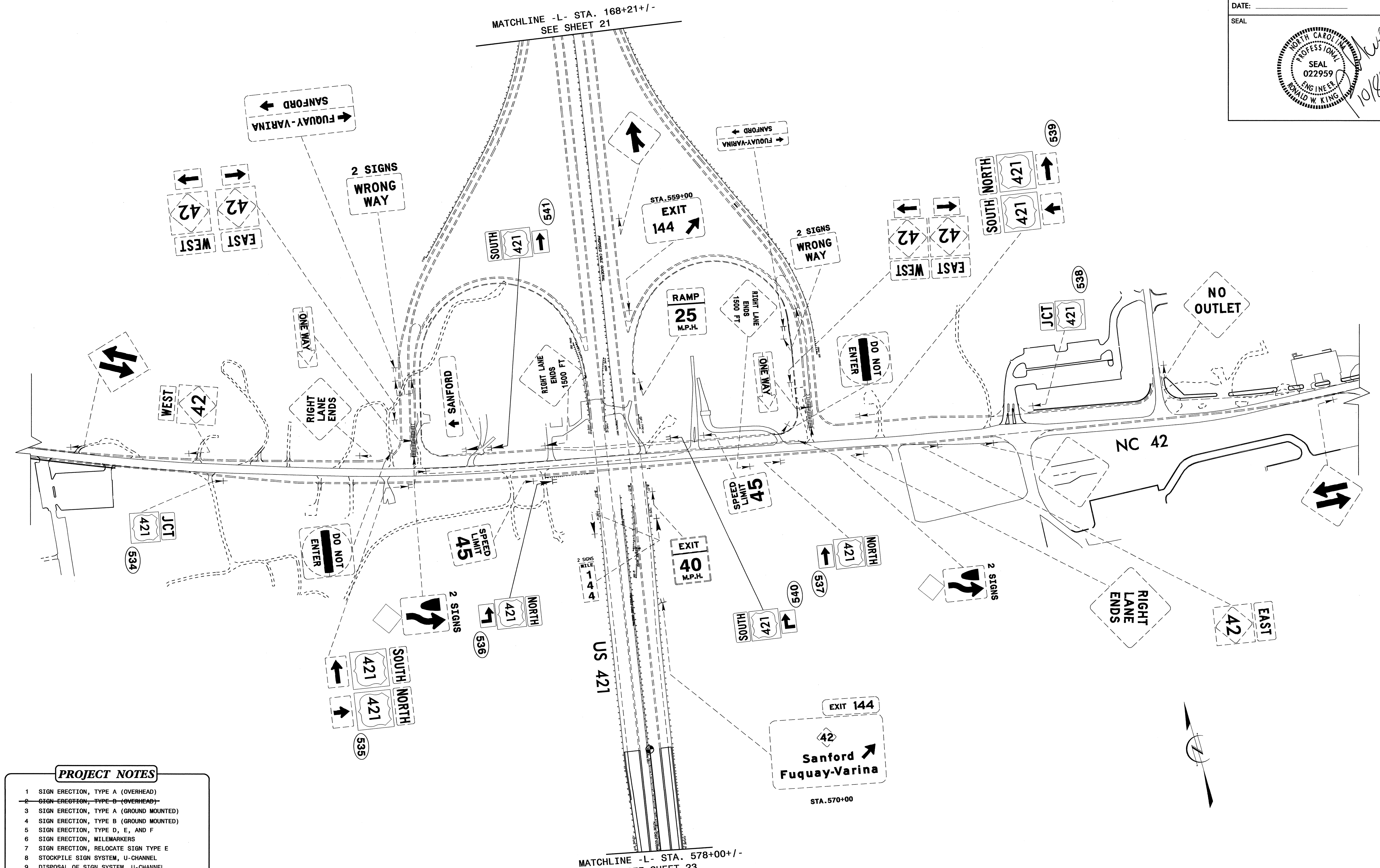
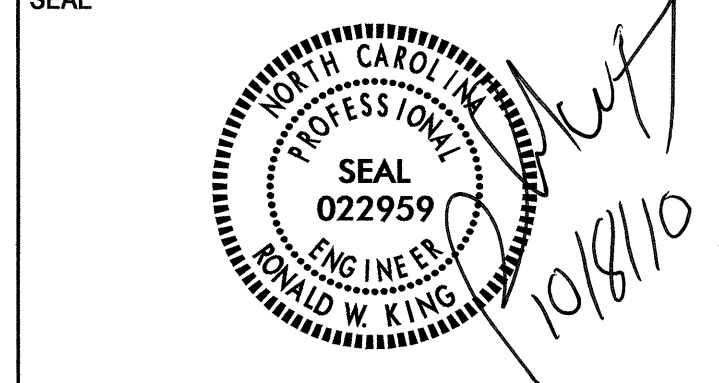
PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- 2 SIGN ERECTION, TYPE B (OVERHEAD)
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
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- 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
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- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
US 421**

08-OCT-2010 12:37
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 rhennein AT 10/27/10

APPROVED: _____
 DATE: _____

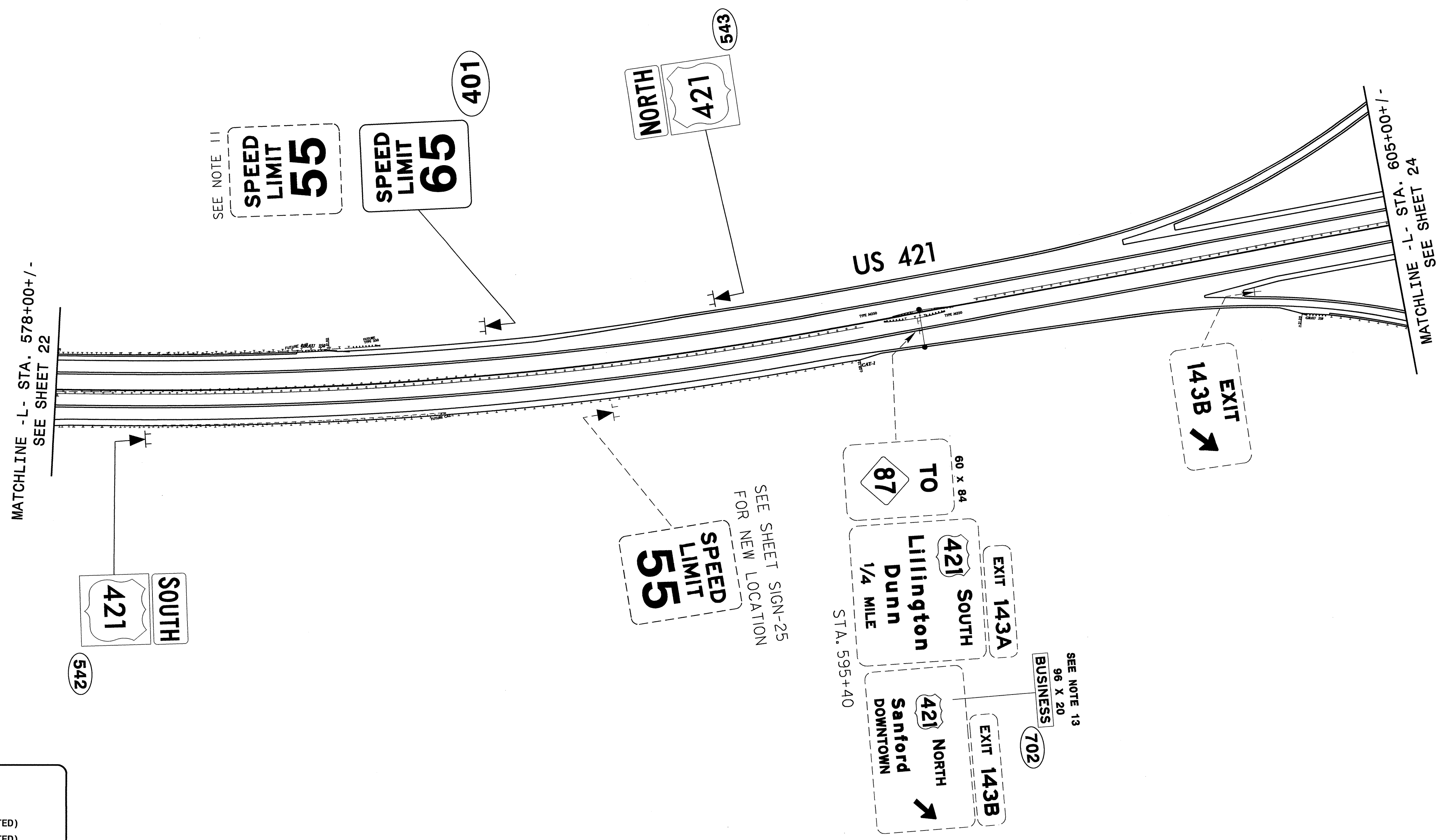


PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- 2 SIGN ERECTION, TYPE B (OVERHEAD)
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
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- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

EXISTING AND PROPOSED SIGNS
 US 421 @ NC 42

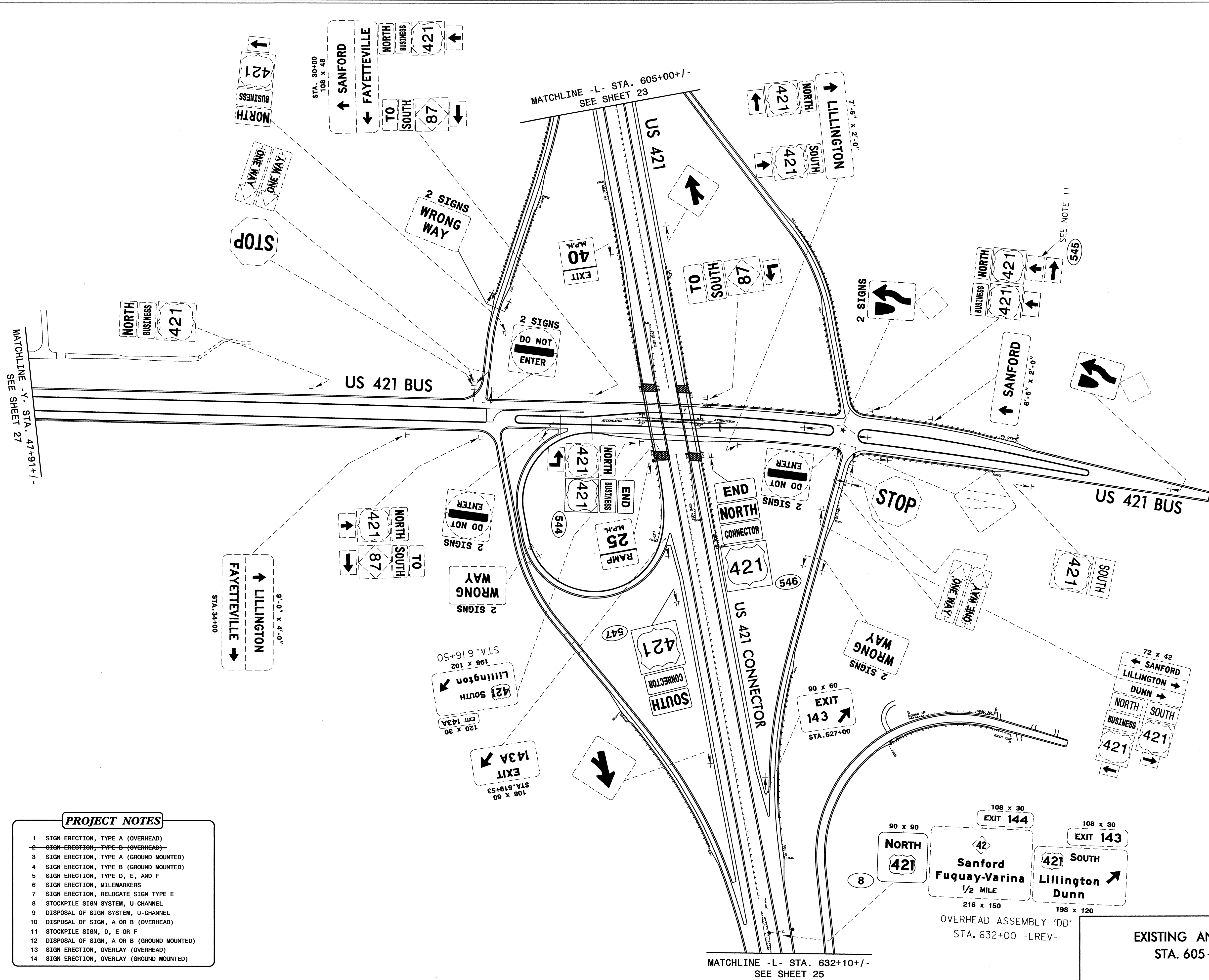
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 rhennel AT 1E24/534



PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- 2 SIGN ERECTION, TYPE B (OVERHEAD)
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
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- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

EXISTING AND PROPOSED SIGNS
 STA. 578+00 TO 605+00
 US 421



- PROJECT NOTES**
- SIGN ERECTION, TYPE A (OVERHEAD)
 - ~~SIGN ERECTION, TYPE B (OVERHEAD)~~
 - SIGN ERECTION, TYPE A (GROUND MOUNTED)
 - SIGN ERECTION, TYPE B (GROUND MOUNTED)
 - SIGN ERECTION, TYPE D, E, AND F
 - SIGN ERECTION, MILEMARKERS
 - SIGN ERECTION, RELOCATE SIGN TYPE E
 - STOCKPILE SIGN SYSTEM, U-CHANNEL
 - DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - DISPOSAL OF SIGN, A OR B (OVERHEAD)
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 - DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
 - SIGN ERECTION, OVERLAY (OVERHEAD)
 - SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
STA. 605+00 TO 623+10
US 421**

26-OCT-2010 15:50
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 Rhenne AT TE247534

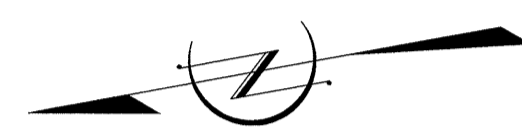
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APPROVED: _____	
DATE: _____	
SEAL	

MATCHLINE -L- STA. 632+10+/-
SEE SHEET 24

SPEED LIMIT 65
401

108 X 30
EXIT 143
421 SOUTH
Lillington
Dunn
1/2 MILE
156 X 144
STA. 657+00

US 421 CONNECTOR



SPEED LIMIT 55
416

SEE NOTE 7
SPEED LIMIT 55
RELOCATED SIGN FROM SHEET 23

MATCHLINE -L- STA. 632+80+/-
SEE SHEET 26

END SOUTH CONNECTOR 421
548

SPEED LIMIT 55

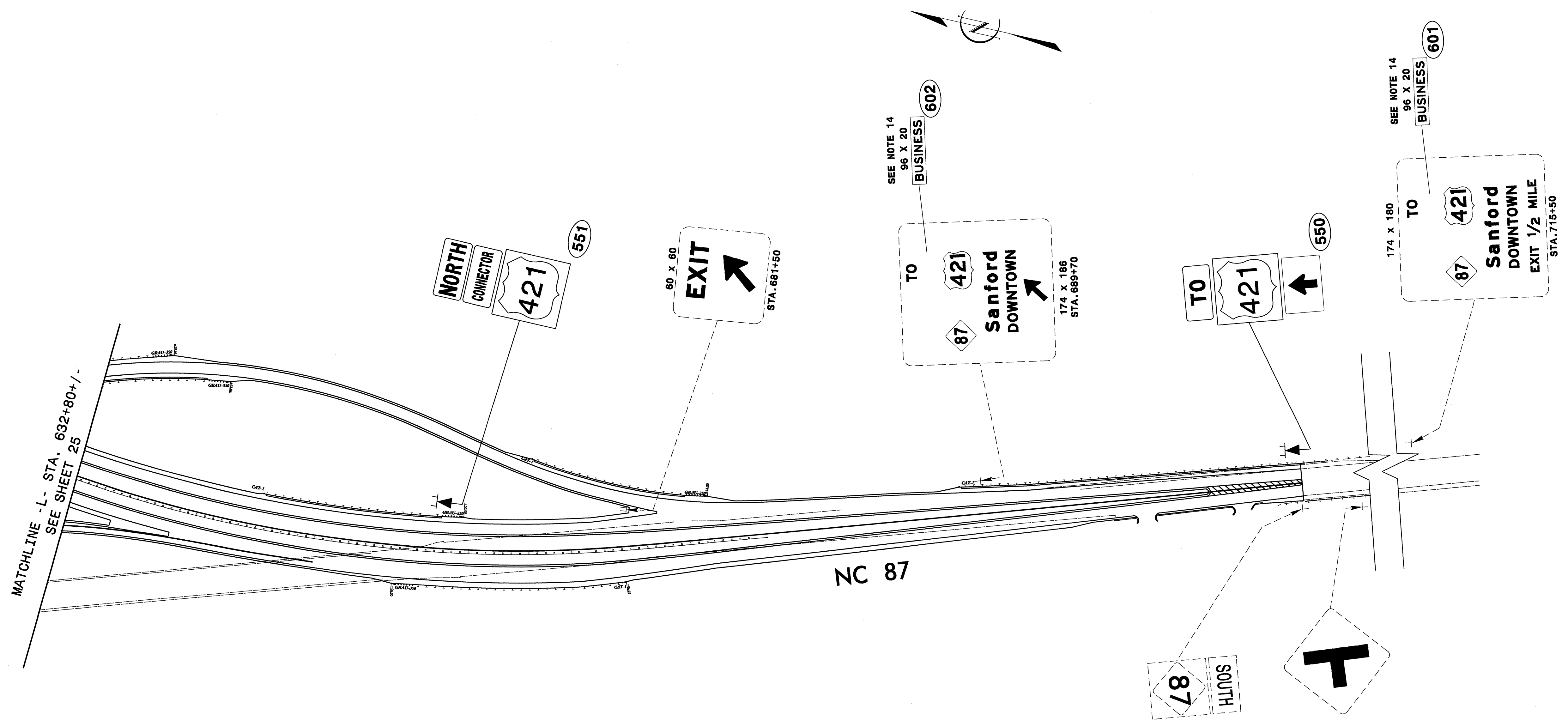
8 NORTH
549

PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
- 6 SIGN ERECTION, MILEMARKERS
- 7 SIGN ERECTION, RELOCATE SIGN TYPE E
- 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
- 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

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 rhennein AT 10/24/10

**EXISTING AND PROPOSED SIGNS
STA. 632+10 TO 632+80
US 421 CONNECTOR**

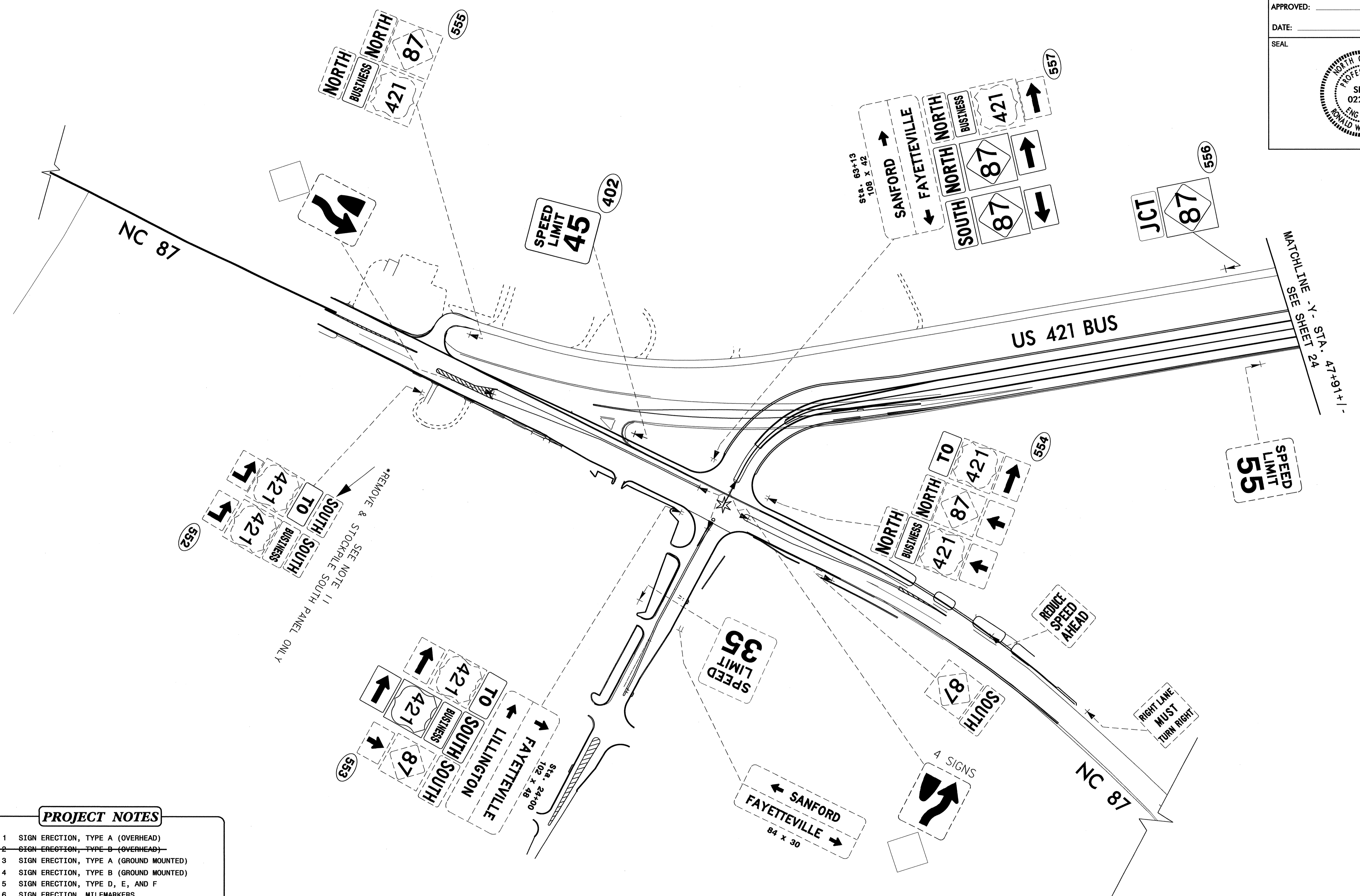


MATCHLINE - L- STA. 632+80+/-
SEE SHEET 25

PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- 2 SIGN ERECTION, TYPE B (OVERHEAD)
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
- 6 SIGN ERECTION, MILEMARKERS
- 7 SIGN ERECTION, RELOCATE SIGN TYPE E
- 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
- 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
STA. 632 + 80 TO BREAKLINE
NC 87**

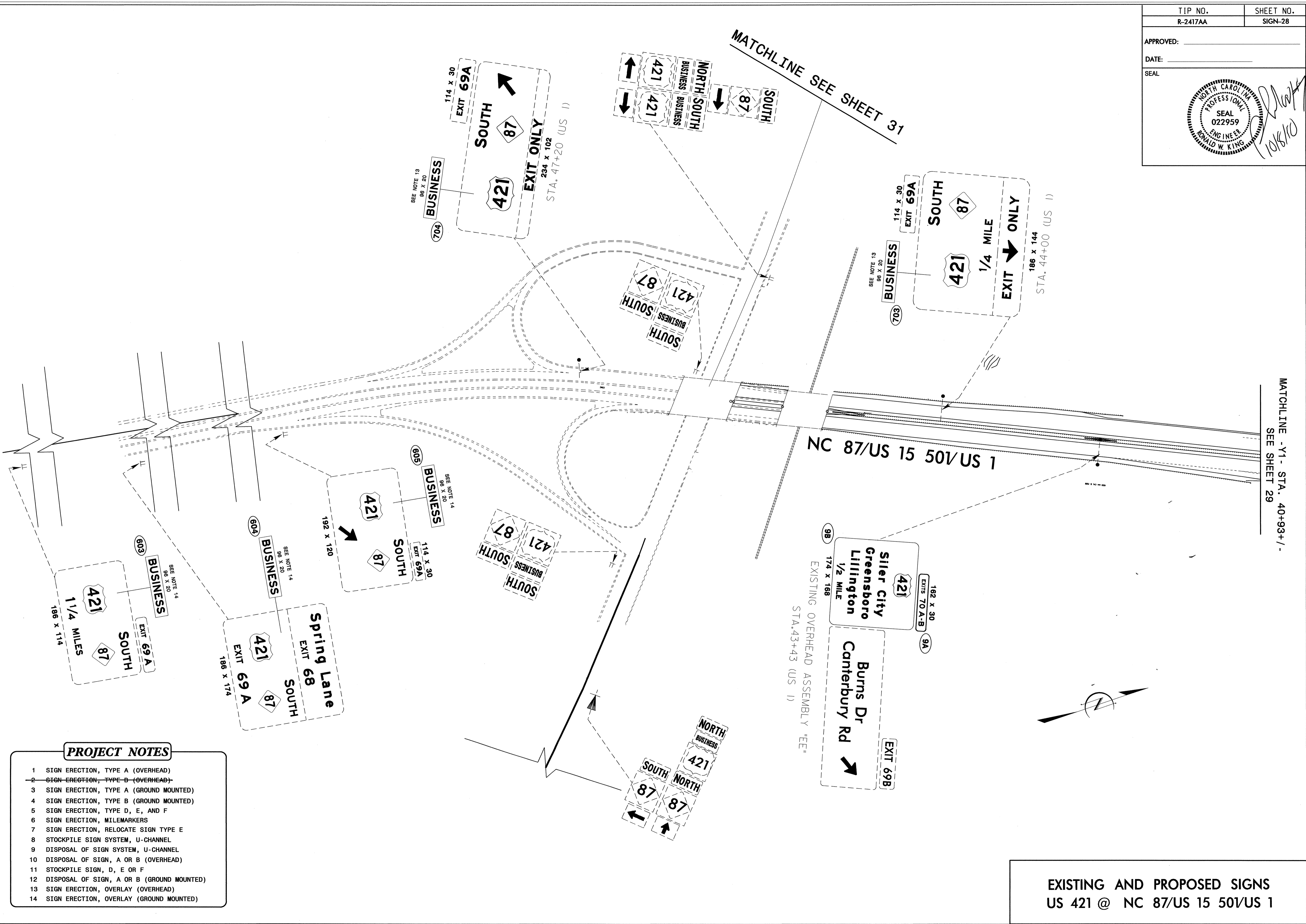


- PROJECT NOTES**
- SIGN ERECTION, TYPE A (OVERHEAD)
 - SIGN ERECTION, TYPE B (OVERHEAD)
 - SIGN ERECTION, TYPE A (GROUND MOUNTED)
 - SIGN ERECTION, TYPE B (GROUND MOUNTED)
 - SIGN ERECTION, TYPE D, E, AND F
 - SIGN ERECTION, MILEMARKERS
 - SIGN ERECTION, RELOCATE SIGN TYPE E
 - STOCKPILE SIGN SYSTEM, U-CHANNEL
 - DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - DISPOSAL OF SIGN, A OR B (OVERHEAD)
 - STOCKPILE SIGN, D, E OR F
 - DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
 - SIGN ERECTION, OVERLAY (OVERHEAD)
 - SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
STA. 47+90 TO MATCHLINE 27
US 421 BUSINESS**



MATCHLINE -Y1- STA. 40+93+/-
SEE SHEET 29



PROJECT NOTES

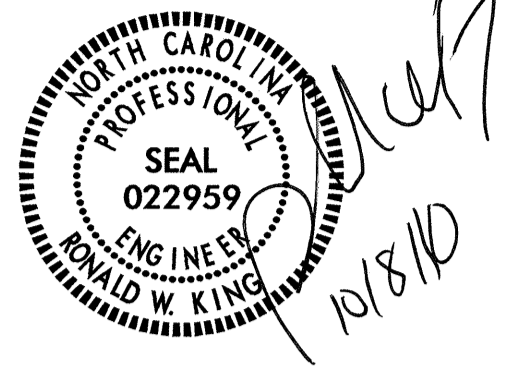
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- 2 SIGN ERECTION, TYPE B (OVERHEAD)
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
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- 6 SIGN ERECTION, MILEMARKERS
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- 10 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

EXISTING AND PROPOSED SIGNS
US 421 @ NC 87/US 15 50/US 1

APPROVED: _____

DATE: _____

SEAL

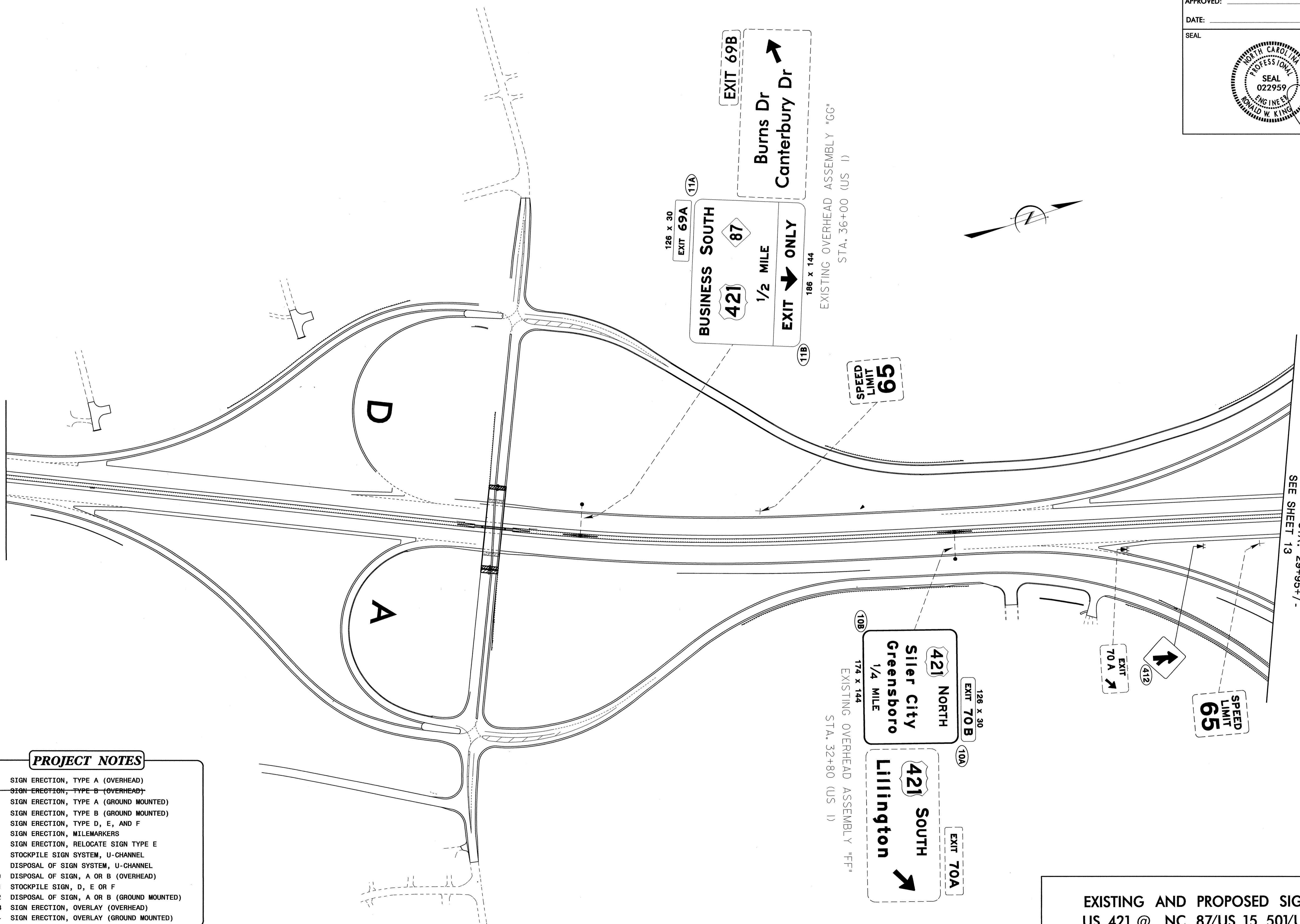


MATCHLINE -Y1- STA. 40+93+/-
SEE SHEET 28

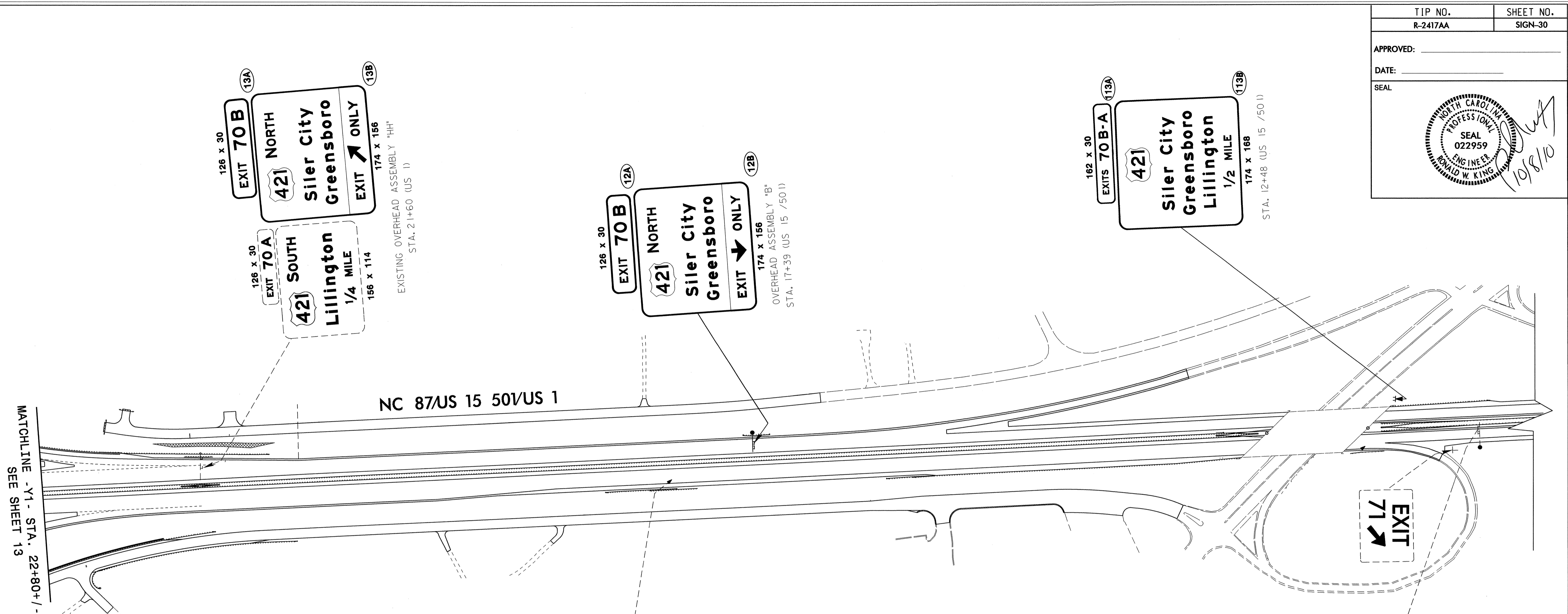
MATCHLINE -Y1- STA. 29+95+/-
SEE SHEET 13

- PROJECT NOTES**
- 1 SIGN ERECTION, TYPE A (OVERHEAD)
 - 2 SIGN ERECTION, TYPE B (OVERHEAD)
 - 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
 - 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
 - 5 SIGN ERECTION, TYPE D, E, AND F
 - 6 SIGN ERECTION, MILEMARKERS
 - 7 SIGN ERECTION, RELOCATE SIGN TYPE E
 - 8 STOCKPILE SIGN SYSTEM, U-CHANNEL
 - 9 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
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 - 13 SIGN ERECTION, OVERLAY (OVERHEAD)
 - 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

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 -Hennner AT 12/27/10



**EXISTING AND PROPOSED SIGNS
US 421 @ NC 87/US 15 50/US 1**



MATCHLINE -Y1- STA. 22+80+/-
SEE SHEET 13

NC 87/US 15 50/US 1

PROJECT NOTES

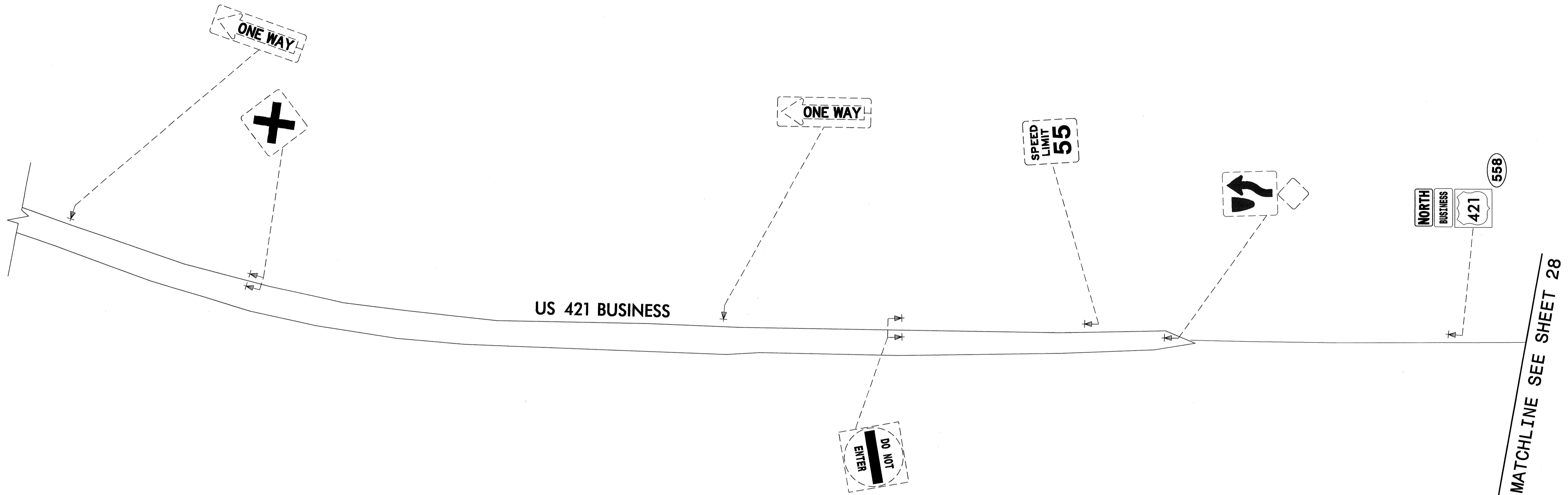
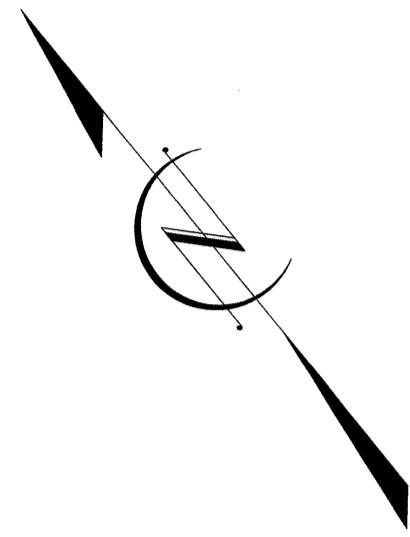
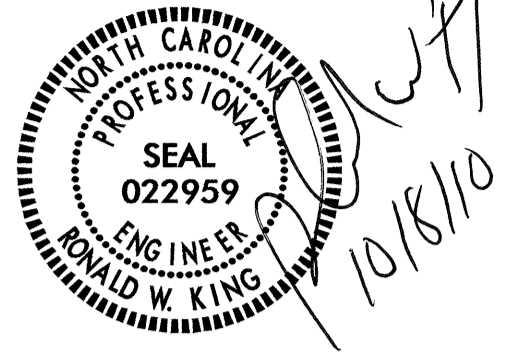
- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- 2 SIGN ERECTION, TYPE B (OVERHEAD)
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- 11 STOCKPILE SIGN, D, E OR F
- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
US 421 @ NC 87/US 15 50/US 1**

APPROVED: _____

DATE: _____

SEAL



PROJECT NOTES

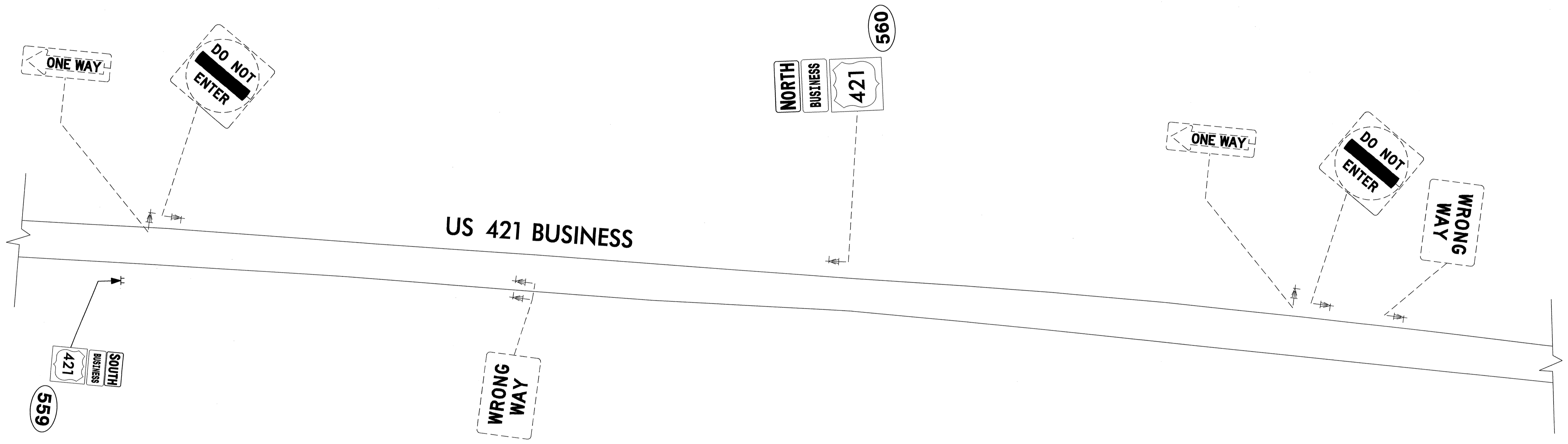
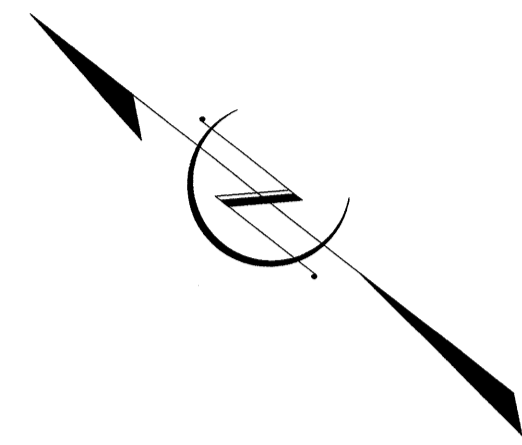
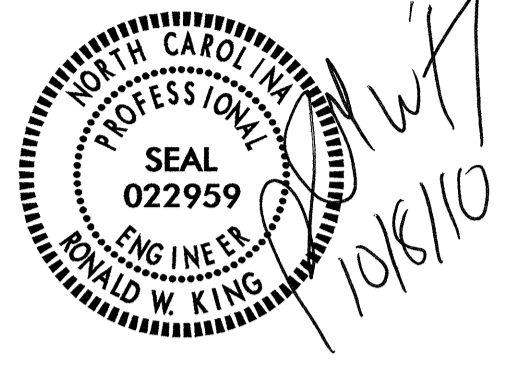
- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
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- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

EXISTING AND PROPOSED SIGNS
US 421 BUSINESS

APPROVED: _____

DATE: _____

SEAL

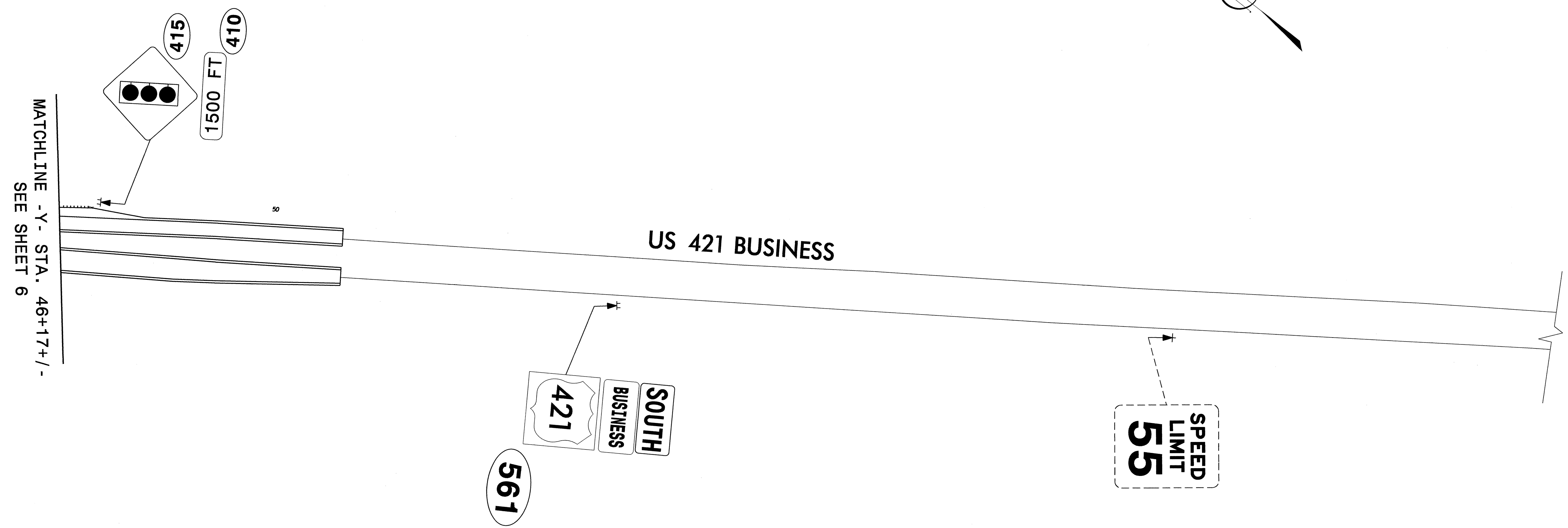
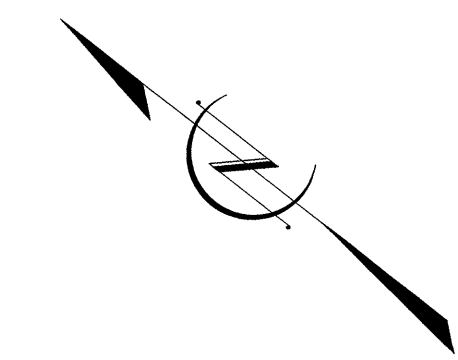


PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
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- 12 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
US 421 BUSINESS**

TIP NO. R-2714AA	SHEET NO. SIGN-33
APPROVED: _____	
DATE: _____	
SEAL	



MATCHLINE -Y- STA. 46+17+/-
SEE SHEET 6

PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- ~~2 SIGN ERECTION, TYPE B (OVERHEAD)~~
- 3 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 4 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 5 SIGN ERECTION, TYPE D, E, AND F
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- 13 SIGN ERECTION, OVERLAY (OVERHEAD)
- 14 SIGN ERECTION, OVERLAY (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
US 421 BUSINESS**

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 wmdbrw AT 12/4/10