

8/17/99

T.I.P.: U-3456

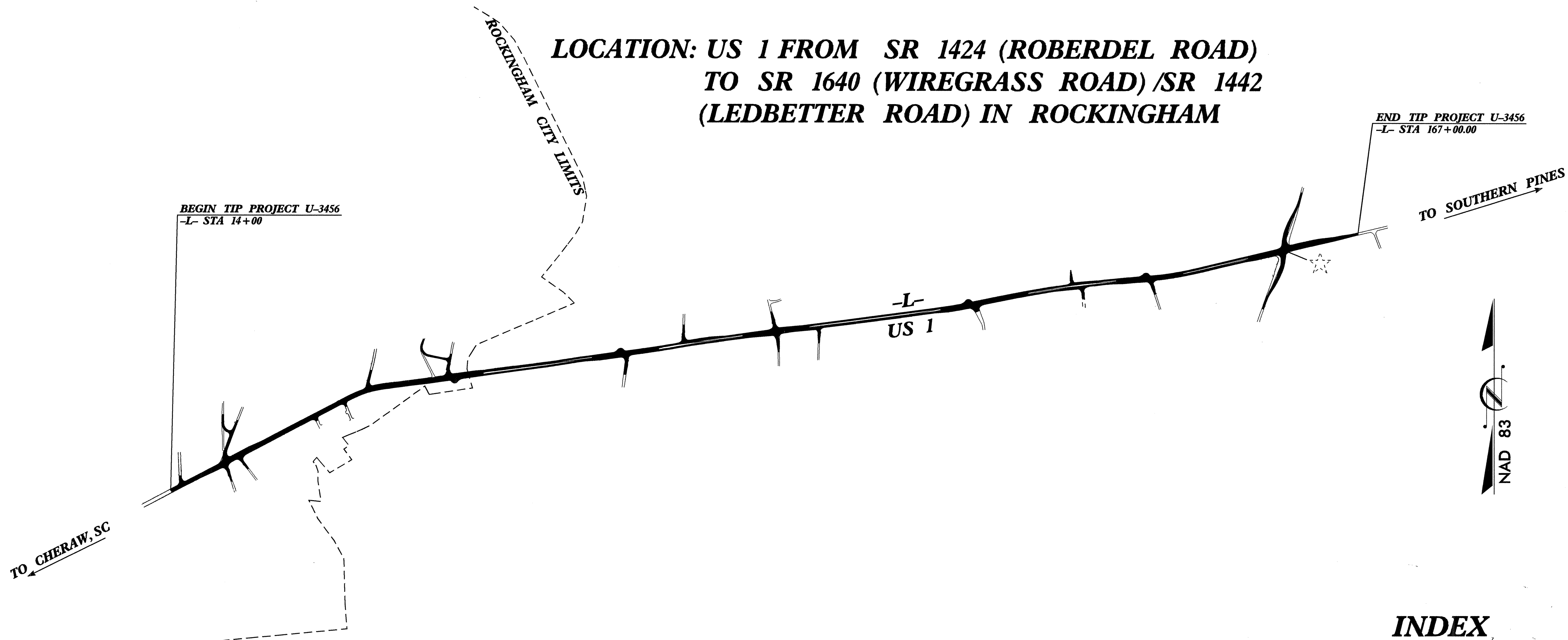
CONTRACT: A304351

TIP NO. U-3456	SHEET NO. SIGN - 1
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
RICHMOND COUNTY

LOCATION: US 1 FROM SR 1424 (ROBERDEL ROAD)
TO SR 1640 (WIREGRASS ROAD) /SR 1442
(LEDBETTER ROAD) IN ROCKINGHAM



INDEX

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PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION	SEAL
R. W. KING P. E. SIGNING ENGINEER	
A. ALQUDWAH P. E. SIGNING PROJECT ENGINEER	
K. L. JORDAN SIGNING PROJECT DESIGN ENGINEER	
G. M. TERLIZZI SIGNING DESIGN ENGINEER	
_____ SIGNING DESIGNER	

SIGNS SUMMARY OF QUANTITIES

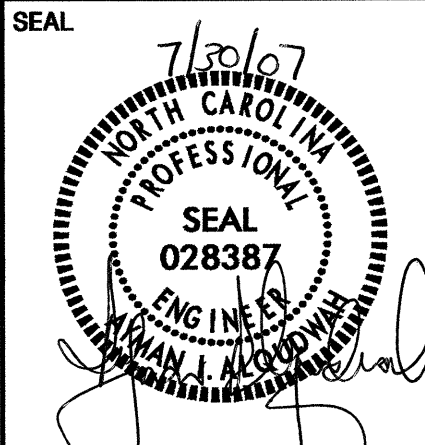
Pay Item Notes:	
1	RELOCATE SIGN, TYPE E
2	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
3	DISPOSAL OF SUPPORT, U-CHANNEL

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION.....	1	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM.....	738	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL.....	1978	L.F.
4096000000	904	SIGN ERECTION, TYPE D.....	1	EA.
4102000000	904	SIGN ERECTION, TYPE E.....	114	EA.
4108000000	904	SIGN ERECTION, TYPE F.....	14	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED).....	1	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED).....	5	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED).....	3	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL.....	77	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL.....	3	EA.

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

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

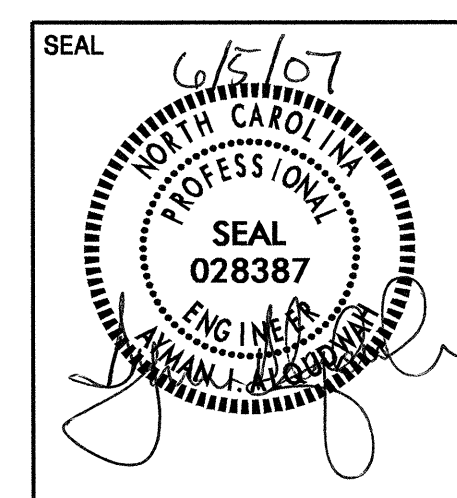
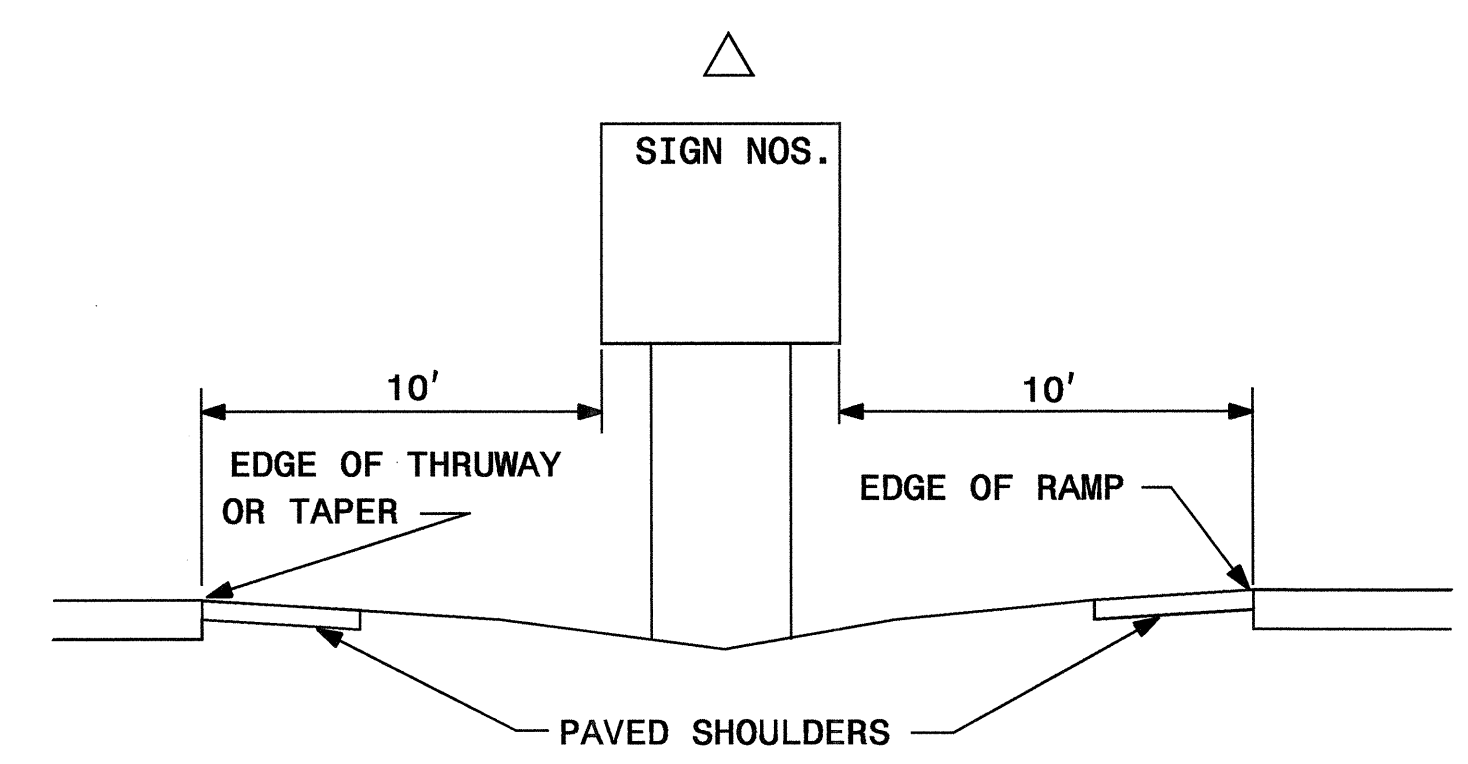
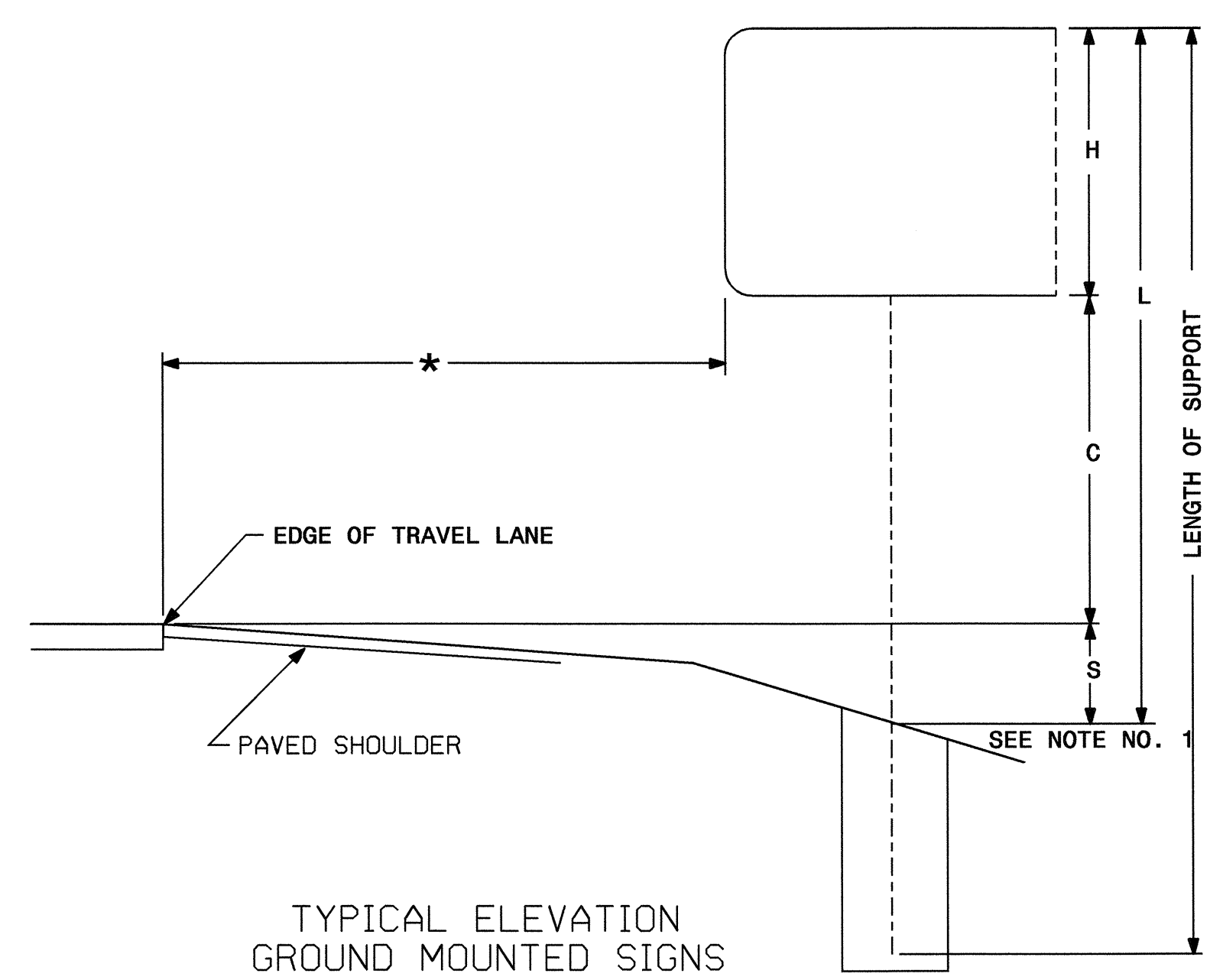
901.10	901.80
901.20	903.10
901.50	904.10
901.70	904.50

	US 1 RICHMOND COUNTY		
	SUMMARY OF QUANTITIES & NOTES		
	SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH
	DATE	MAY 2007	
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH	REVISIONS	

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.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h								SNS H	MTG HT C	EMBED- MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH						
101	A	13	X	3	25+00	2	S3x5.7	BA	N/A	N/A	30.00	0.25	7.00	1.5	0.80	8.05	9.55	0.00	0.00	0.00	0.80	8.05	9.55	1	2	144.40	0.00	0.12	
102	B	12	X	3	70+50	2	S3x5.7	BA	N/A	N/A	18.00	0.25	7.00	1.5	0.00	0.00	0.00	0.00	0.00	0.00	1.62	8.87	10.37	1	2	144.52	0.00	0.12	
103	B	12	X	3	77+50	1	S3x5.7	BA	N/A	N/A	18.00	0.25	7.00	1.5	1.01	8.26	9.76	0.00	0.00	0.00	0.00	0.00	0.00	1	2	73.40	0.00	0.06	
104	B	12	X	3	152+00	2	S3x5.7	BA	N/A	N/A	18.00	0.25	7.00	1.5	0.00	0.00	0.00	0.00	0.00	0.00	1.17	8.42	9.92	1	2	141.95	0.00	0.12	
105	B	12	X	3	162+00	1	S3x5.7	BA	N/A	N/A	30.00	0.25	7.00	1.5	4.20	11.45	12.95	0.00	0.00	0.00	0.00	0.00	0.00	1	2	91.58	0.00	0.06	
106	B	11	X	3	156+50	2	S3x5.7	BA	N/A	N/A	18.00	0.25	7.00	1.5	0.00	0.00	0.00	0.00	0.00	0.00	1.17	8.42	9.92	1	2	141.95	0.00	0.12	
																							TOTAL	TOTAL	TOTAL				
																							737.80	0.00	0.58				
USE:																							738	0	1				

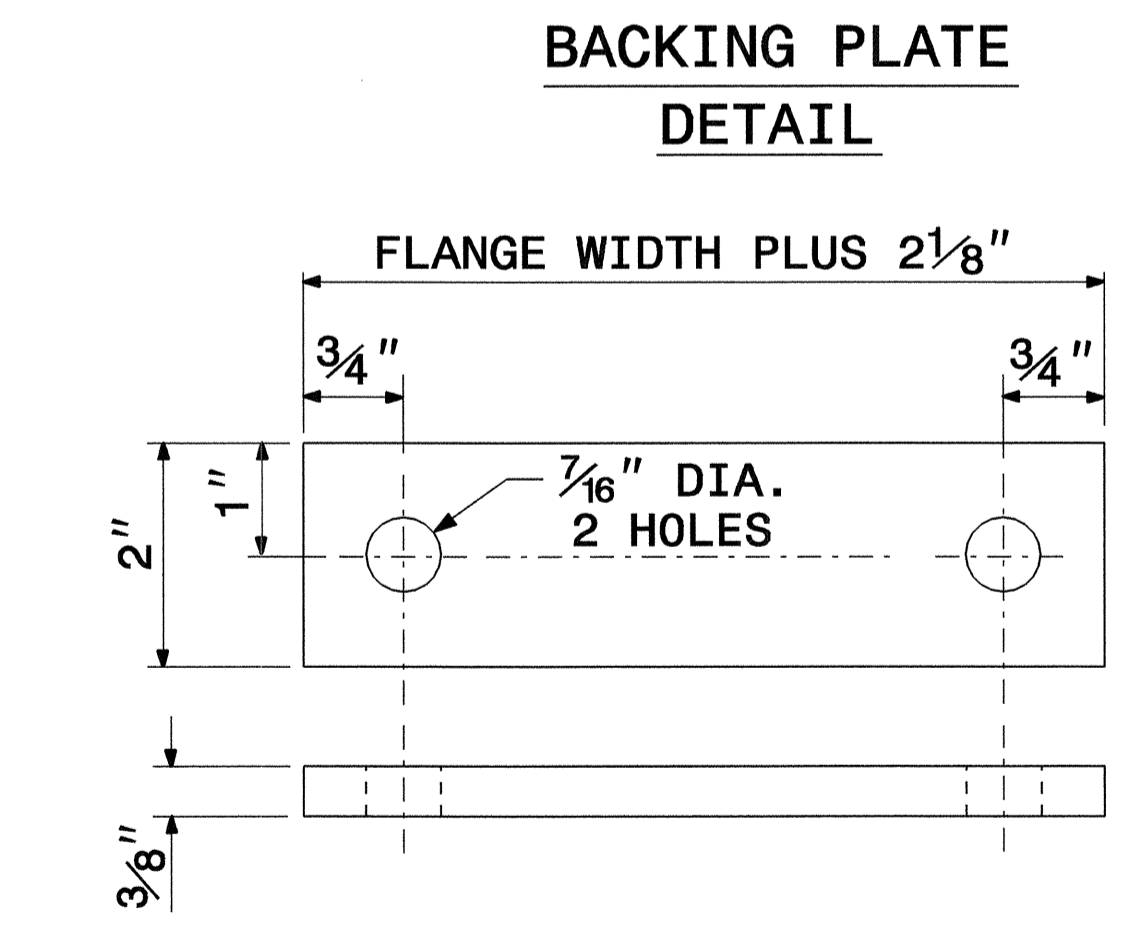
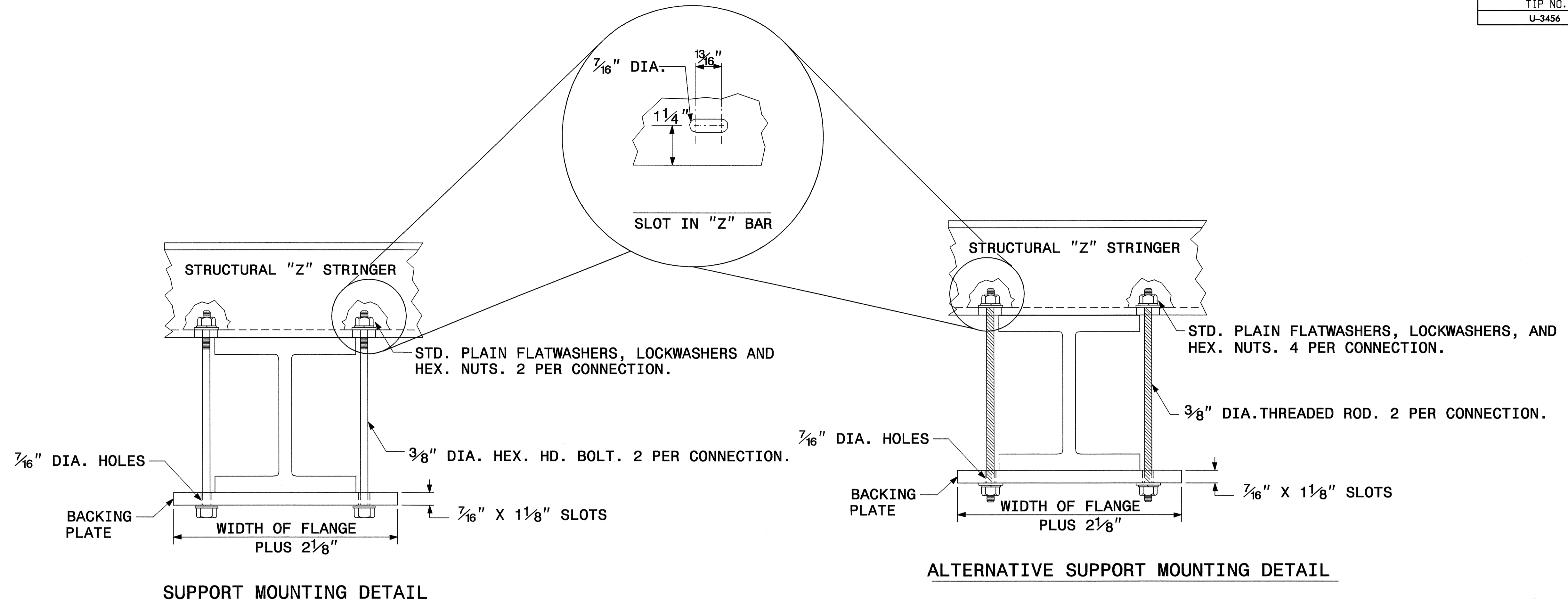
NOTES

- 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.



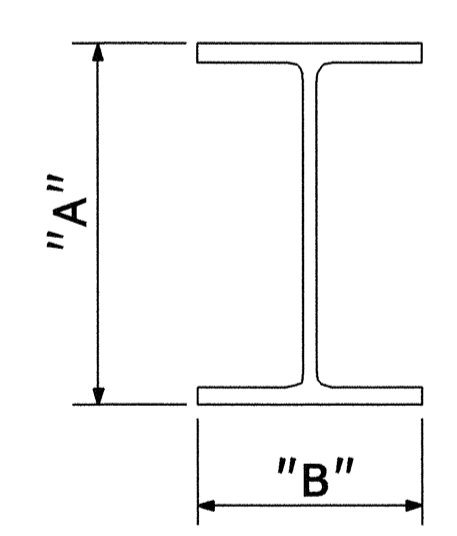
TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

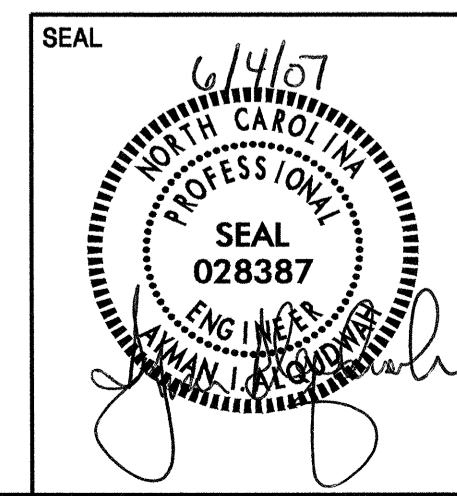


1. THE SUPPORT MOUNTING DETAIL SHOWS A "W" OR "S" BEAM. THIS DETAIL IS ALSO USED FOR MOUNTING SIGNS TO WOOD OR SQUARE TUBE SUPPORTS.
2. USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS IN ACCORDANCE WITH ASTM A123.
3. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR TYPE OF MATERIAL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

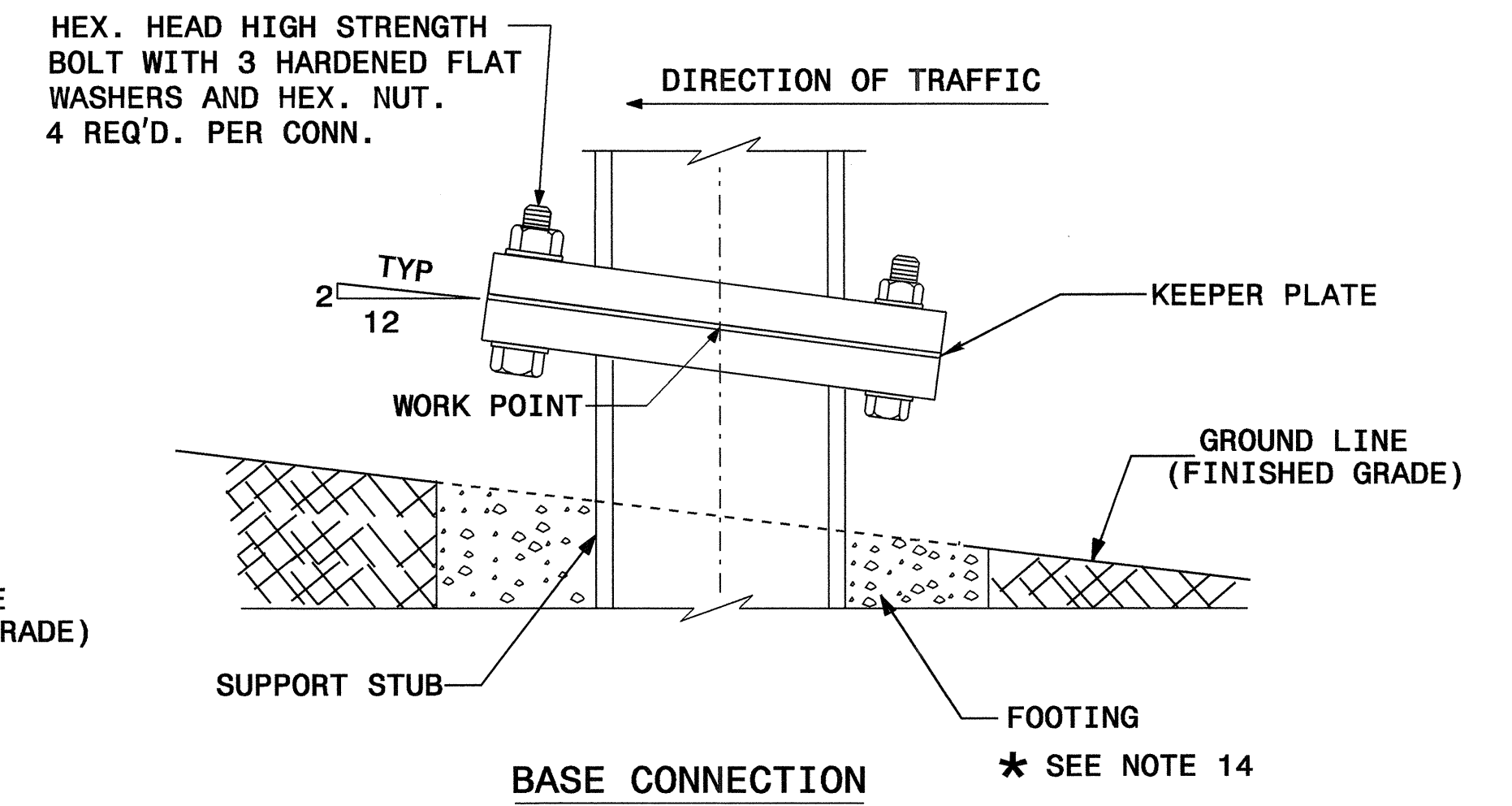
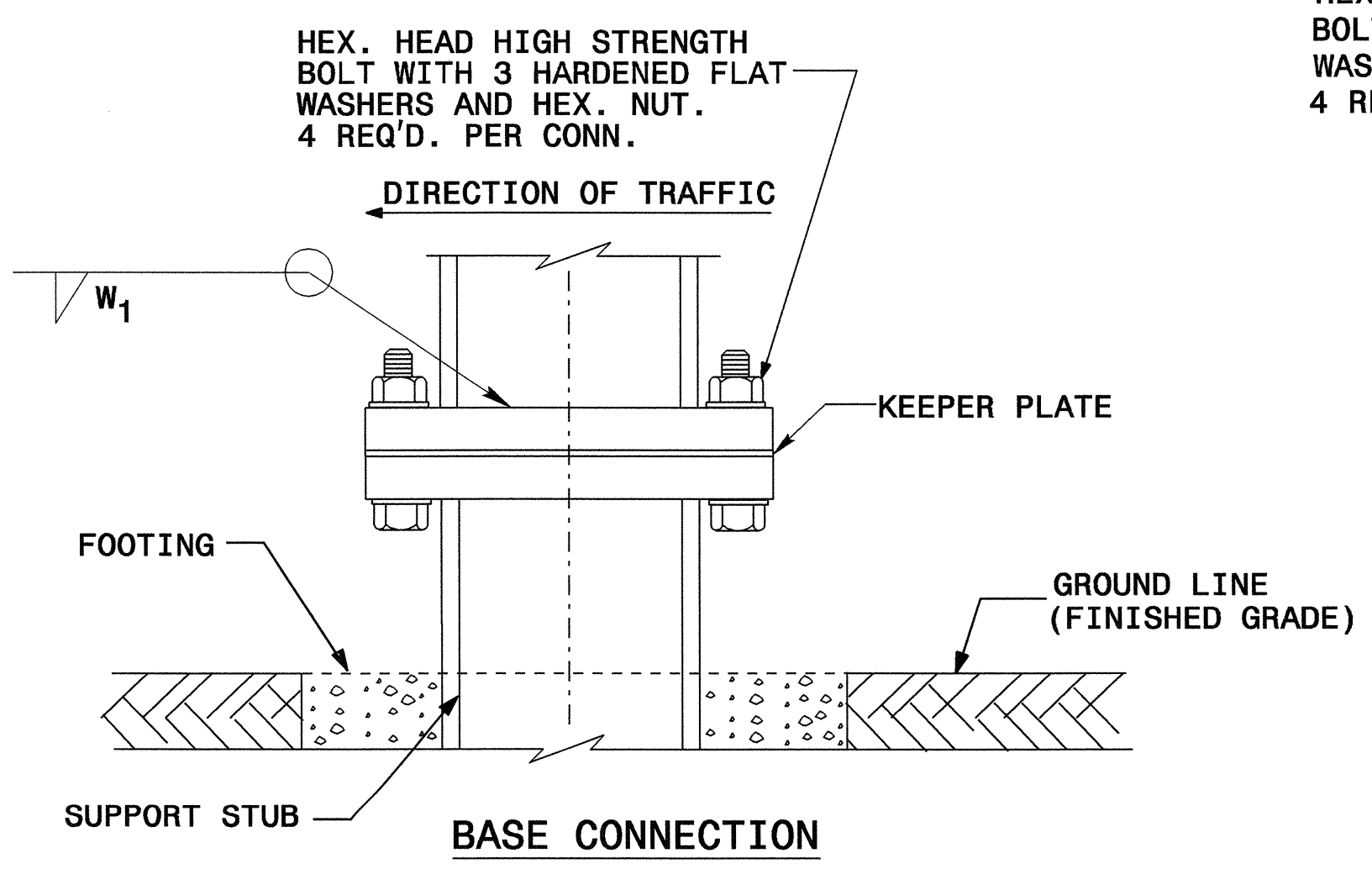
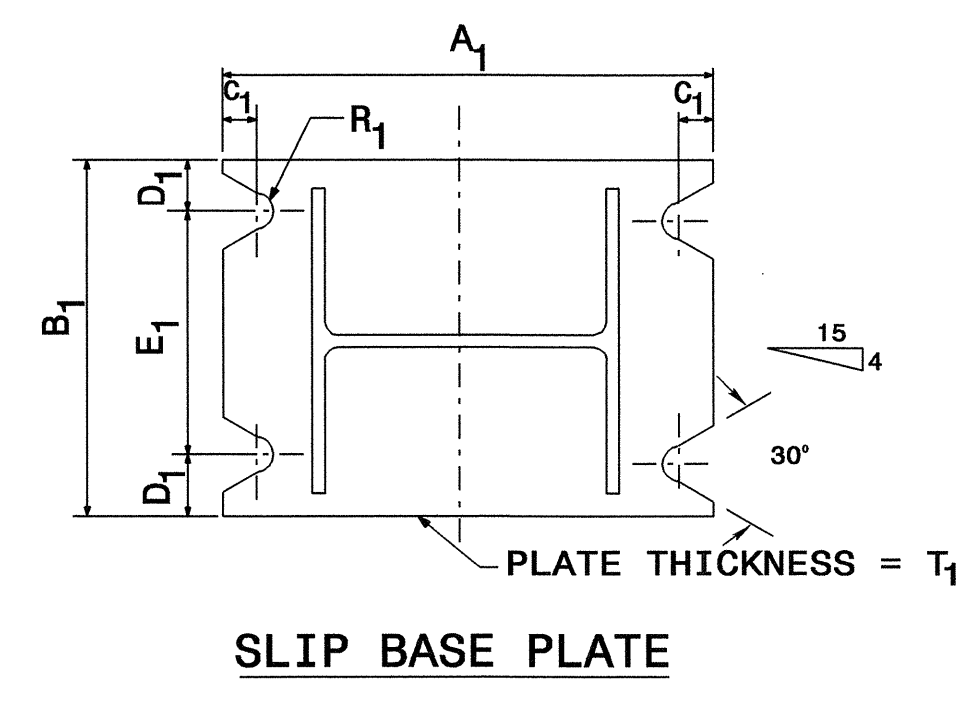
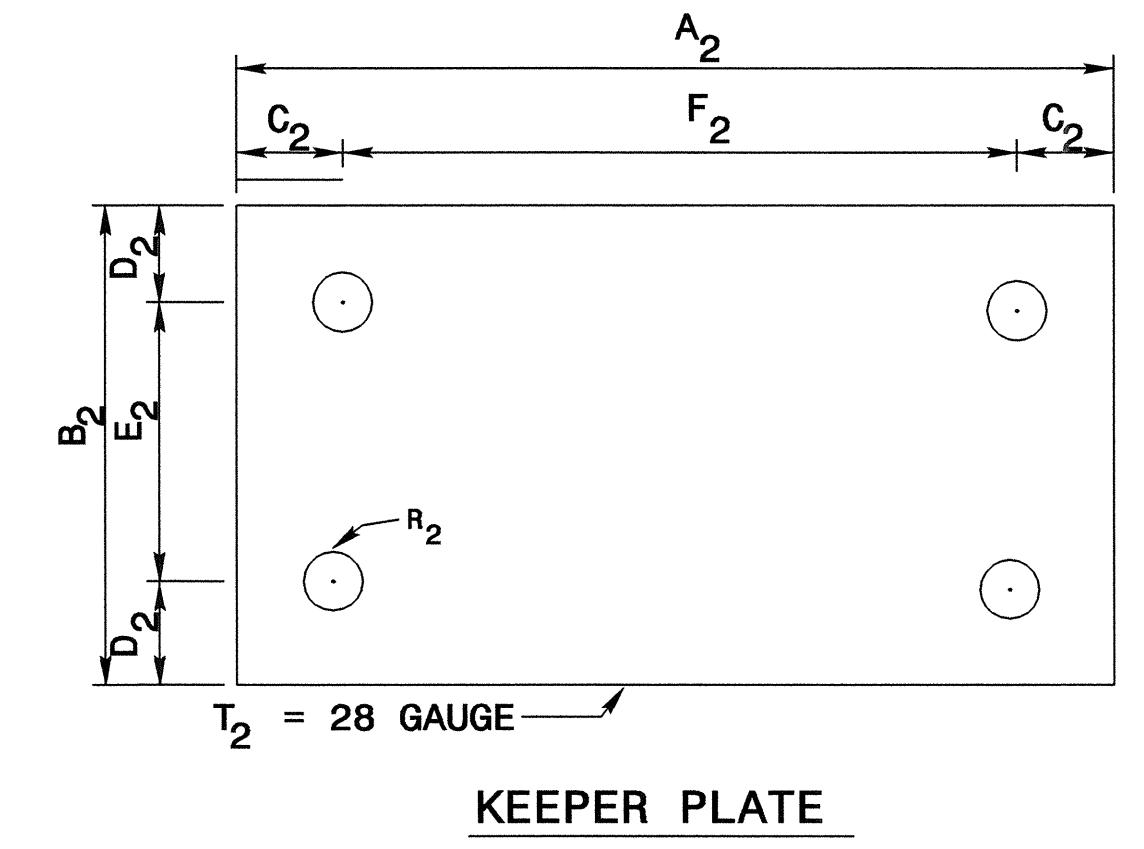
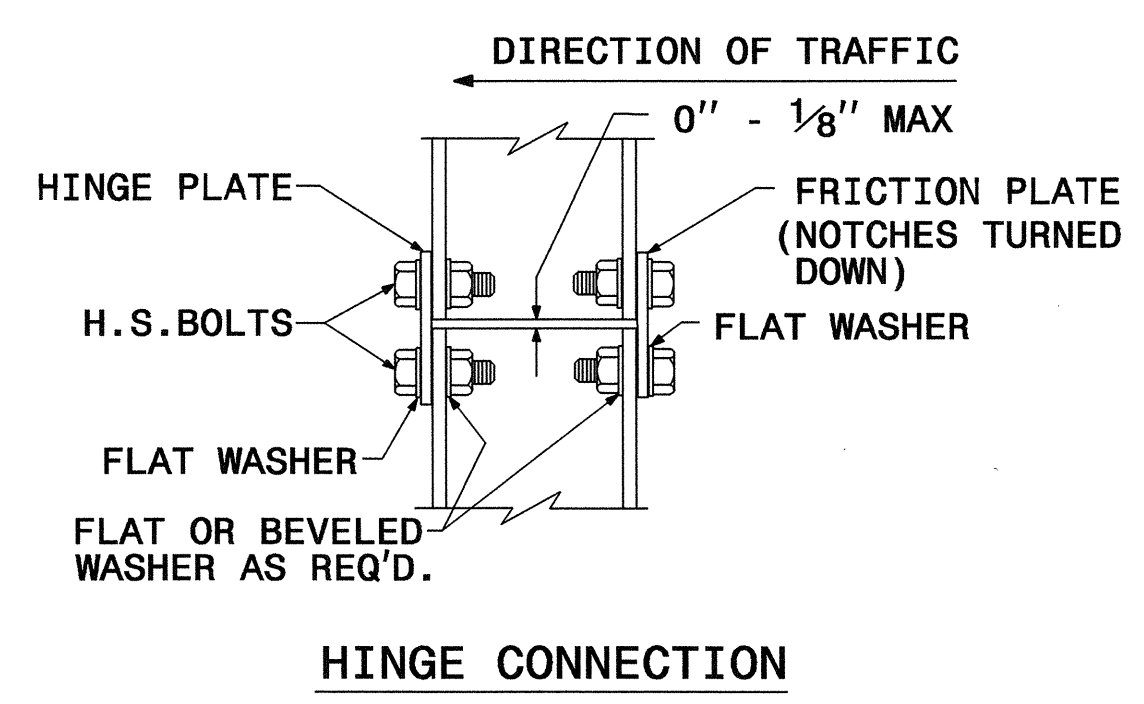
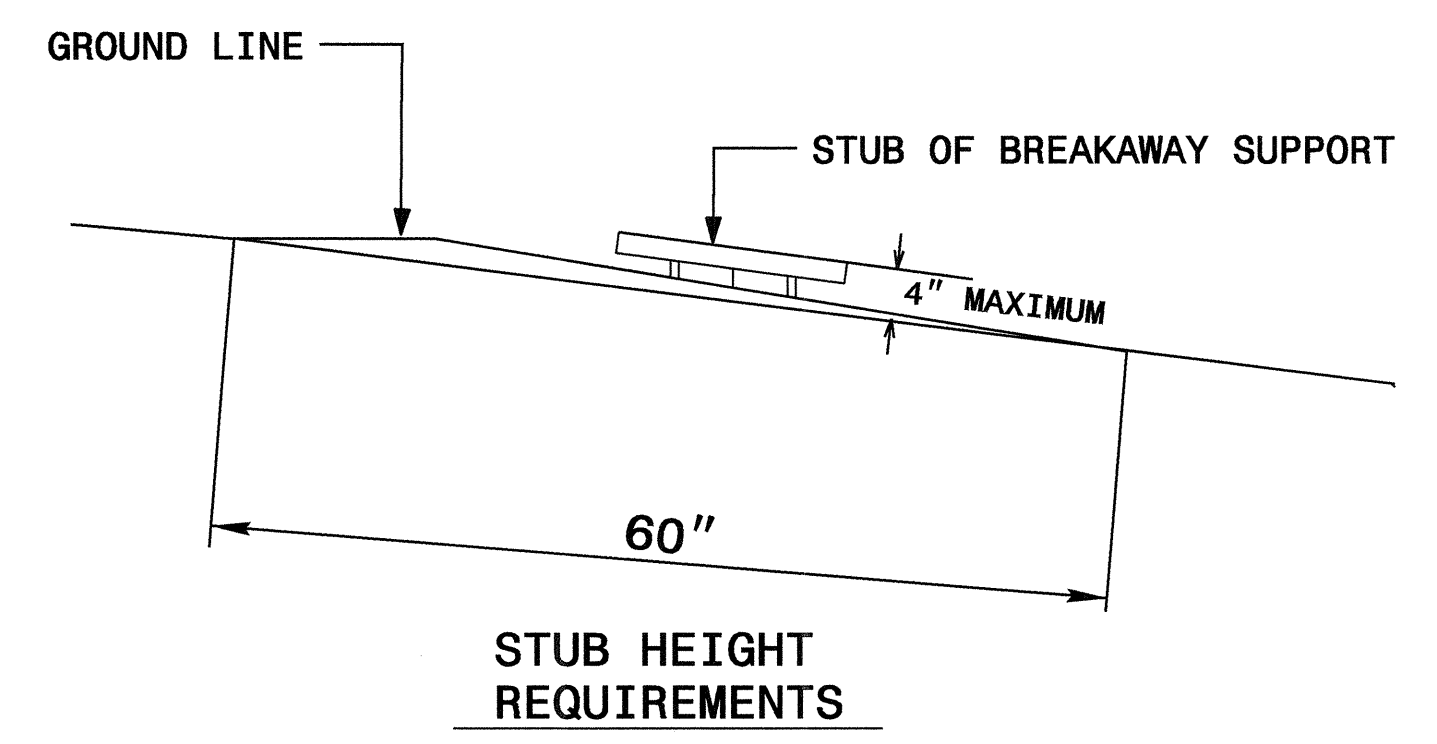
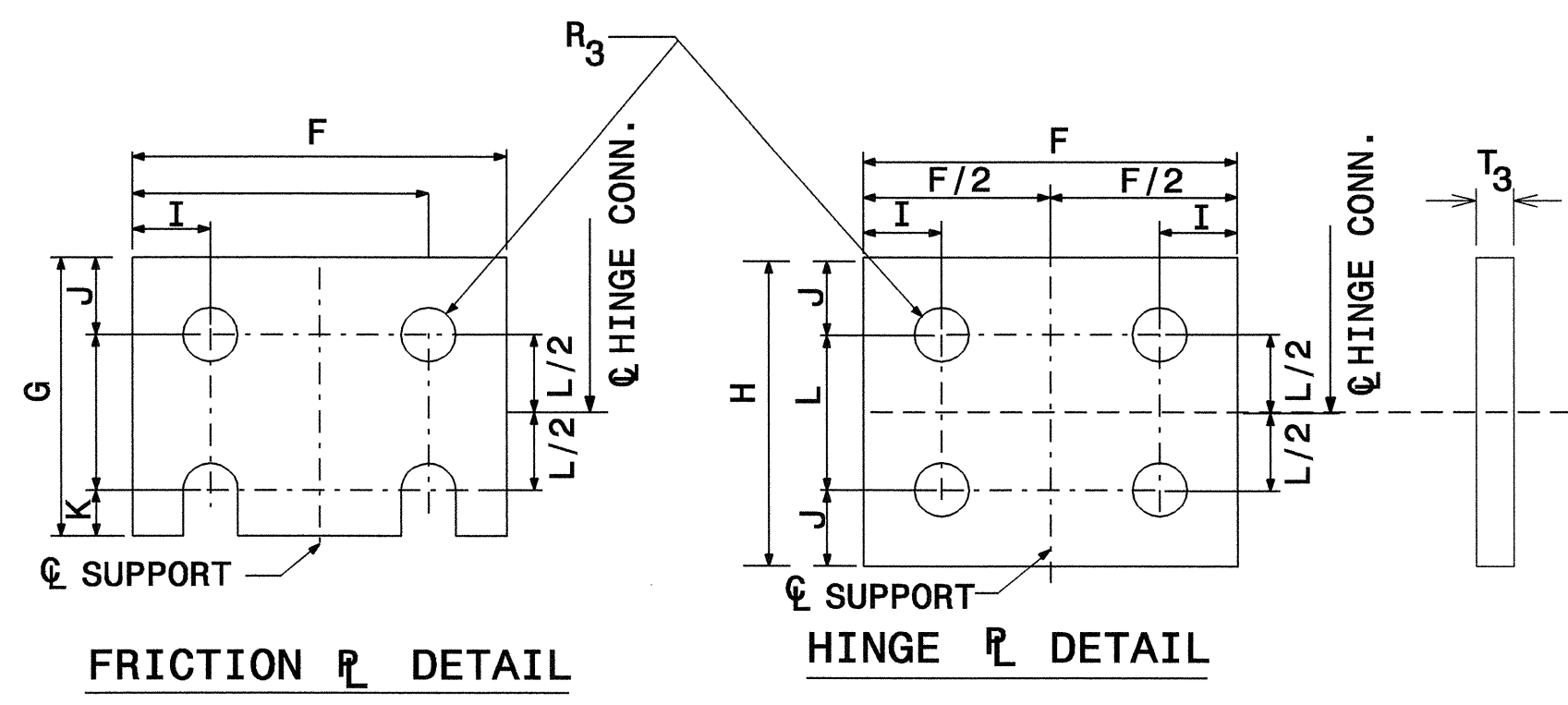
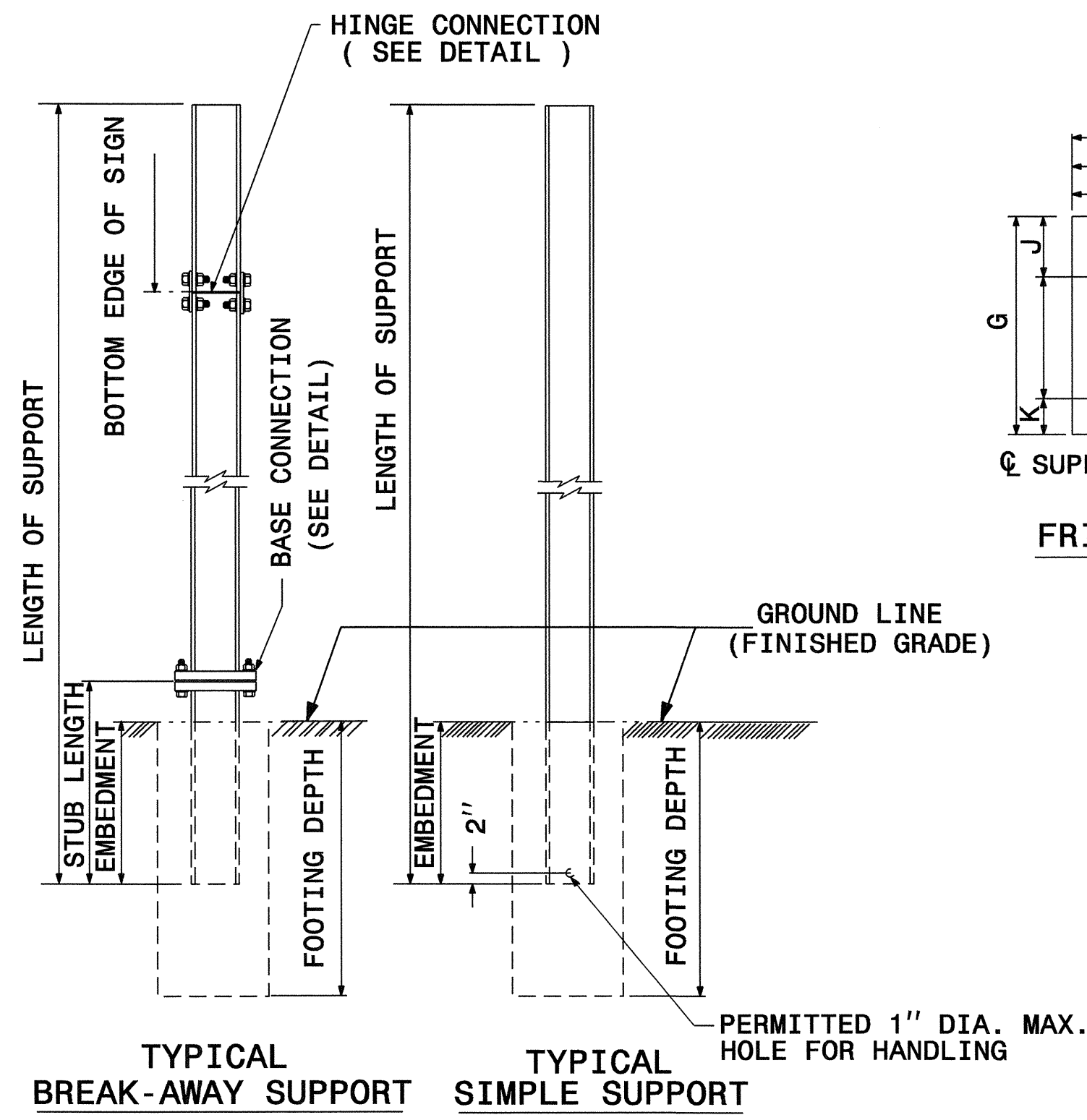
SIGN SUPPORTS SECTION DIMENSIONS



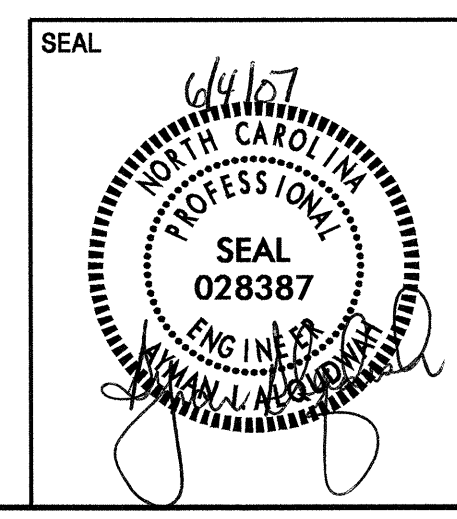
SECTION	A	B
S3 X 5.7	3"	2 3/8"
S4 X 7.7	4"	2 5/8"
W6 X 9	6"	4"
W6 X 12	6"	4"
W6 X 16	6 1/4"	4"
W8 X 18	8 1/8"	5 1/4"
W8 X 21	8 1/4"	5 1/4"
W10 X 22	10 1/8"	5 3/4"
W10 X 26	10 3/8"	5 3/4"
W12 X 26	12 1/4"	6 1/2"
W14 X 30	13 7/8"	6 3/4"
W16 X 31	15 7/8"	5 1/2"
W18 X 35	17 3/4"	6"
W18 X 40	17 7/8"	6"
W21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



SIGN MOUNTING DETAILS			REVISIONS	
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH		
DATE	MAY 2007			
SIGNING DESIGN ENG	G. TERLIZZI			
SIGNING PROJECT DGN ENG	K. JORDAN			
SIGNING PROJECT ENG	A. ALQUDWAH			



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

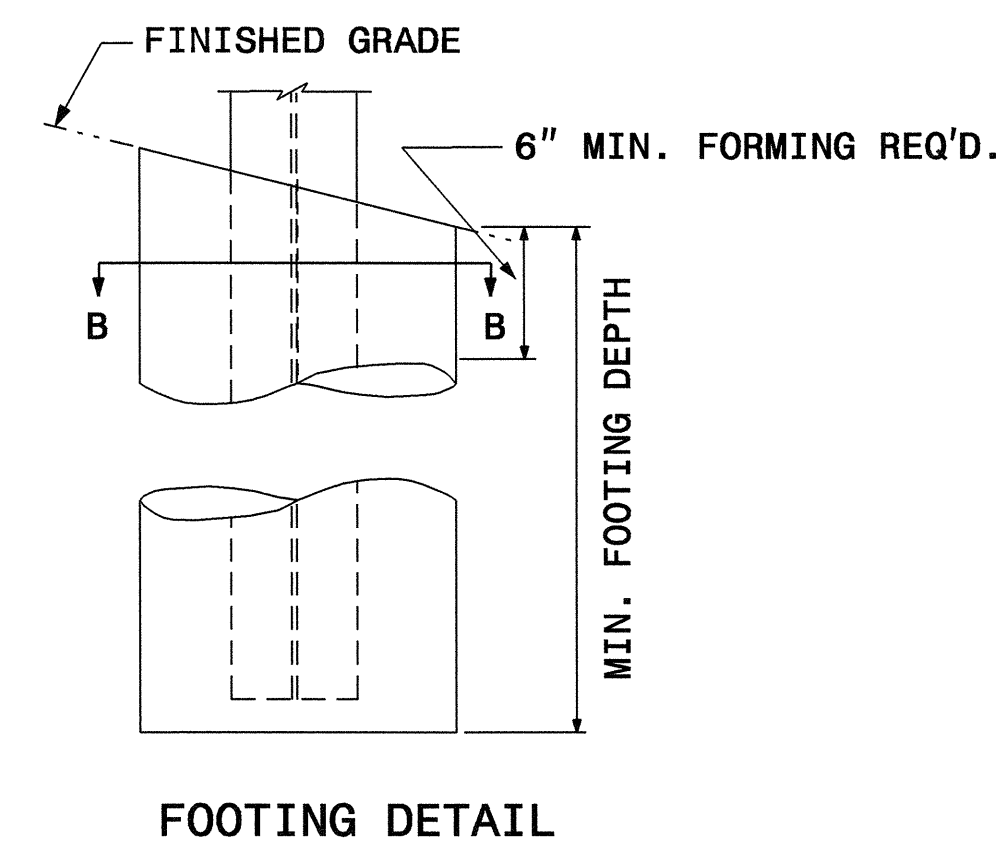
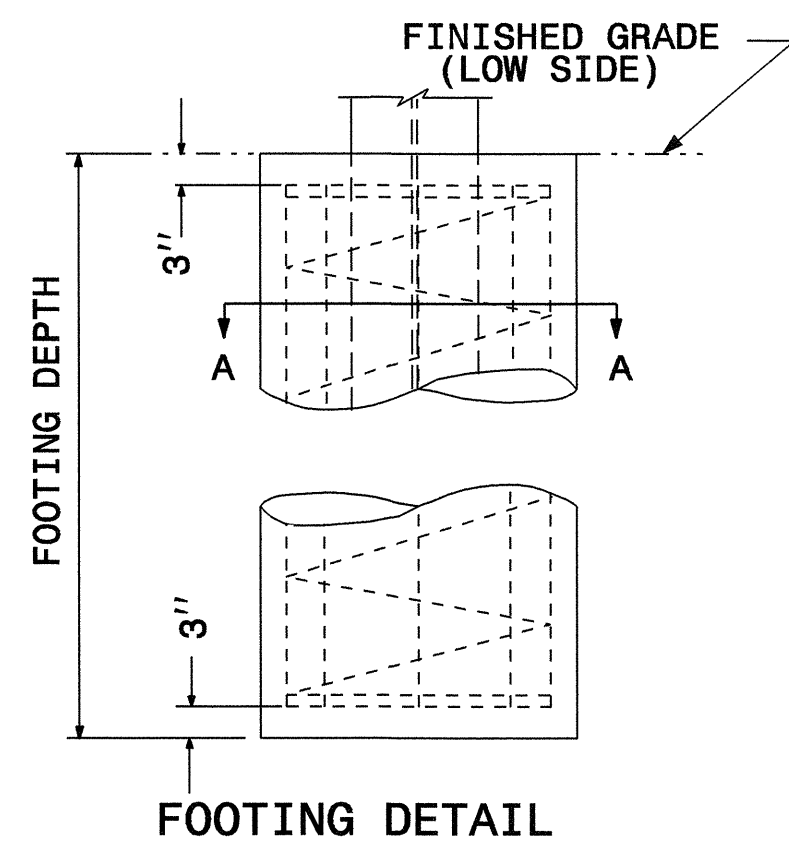
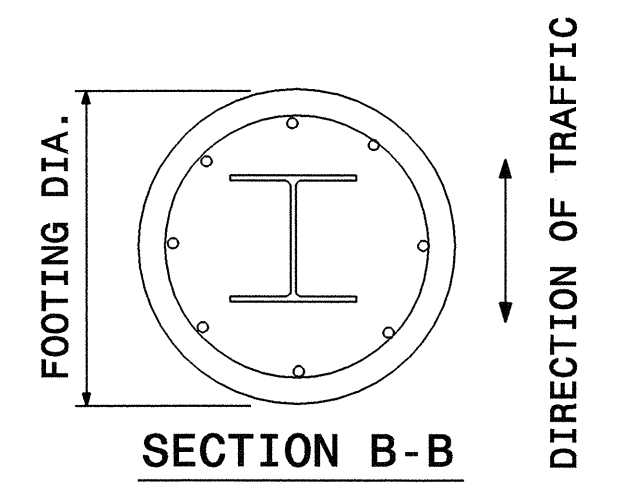
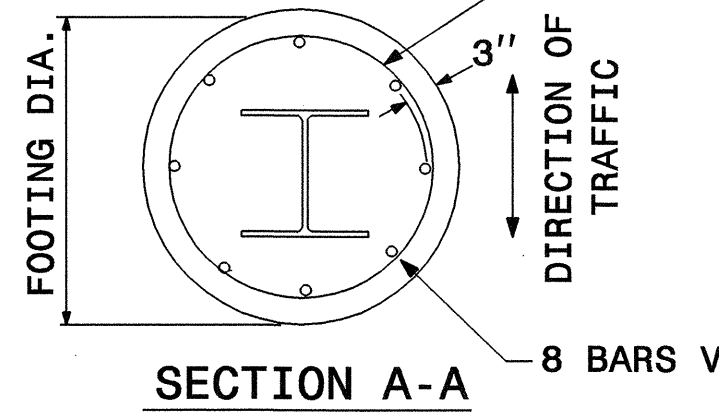


GROUND MOUNTED SIGN SUPPORT

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

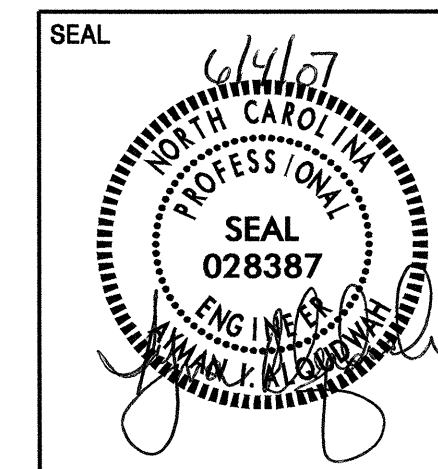
BEAM SHAPE	SLIP BASE PLATE DATA										KEEPER PLATE DATA							HINGE CONNECTION DATA										BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.
	BOLT SIZE	A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	W ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	F ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K	L	R ₃	T ₃	
S3X5.7	1/2"DIA. X 3"	7"	4"	1"	3/4"	2 1/2"	1"	3/8"	9/32"	7"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

2" FLAT TURNS
TOP AND BOTTOM
(SEE NOTE 11)



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

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



GROUND MOUNTED SIGN SUPPORT

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		


NOTES:

1. DESIGN CONFORMS WITH THE SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS - A.A.S.H.T.O.
2. USE MATERIALS, FABRICATE AND ERECT SIGNS AND SUPPORTS THAT CONFORM TO THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
3. USE HIGH STRENGTH BOLTS, NUTS AND WASHERS THAT CONFORM TO A.S.T.M. A-325 AND THAT ARE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-153.
4. USE BACKING PLATES, SLIP BASE PLATES, FRICTION PLATES, AND HINGE PLATES THAT CONFORM TO A.S.T.M. A-36 AND THAT ARE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-123 PRIOR TO GALVANIZING, GRIND SMOOTH ANY METAL PROJECTION BEYOND THE PLATE FACE. KEEPER PLATES SHALL BE MANUFACTURED FROM 28 GAUGE SHEET STEEL THAT CONFORMS TO A.S.T.M. A-36 AND IS GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-123
5. ASSEMBLE HINGE CONNECTIONS IN THE SHOP. SHOP TIGHTEN BOLTS BY USE OF EITHER A CALIBRATED POWER WRENCH OR A MANUAL TORQUE WRENCH. TIGHTEN EACH HINGE CONNECTION BOLT TO 1/3 PAST SNUG.
6. BASE PLATES DETAILS ARE FOR INSTALLATIONS ON THE RIGHT SHOULDER AND IN GORE AREAS.
7. ASSEMBLE UPPER SUPPORT TO STUB AS SHOWN IN DETAIL. SLIP BASE PLATES SHALL BE FILLET WELDED ONTO POSTS ALL AROUND THE STRUCTURAL SHAPE. ASSEMBLE IN EITHER SHOP OR FIELD. 28 GAUGE KEEPER PLATE IS PLACED BETWEEN SLIP BASE PLATES TO PREVENT BOLT SLIPPING. TIGHTEN BOLTS TO THE FOLLOWING PRESCRIBED TORQUE:

BOLT DIAMETER	TORQUE (LB. FT.)
1/2"	9
5/8"	22
3/4"	37
1"	48

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

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

		GROUND MOUNTED SIGN SUPPORT	
		SCALE	1:1000
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

SIGN NUMBER: 101
TYPE: A
QUANTITY: 1
SIGN WIDTH: 13'-0"
HEIGHT: 3'-0"
TOTAL AREA: 39.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADII: 6"
NO. Z BARS: 2
LENGTH: 148.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	135.5	14	8	12

DESIGN BY: G. TERLIZZI
CHECKED BY: K. JORDAN
PROJECT ID: U-3456
DIV: 8
DATE: May 09, 2007

USE NOTES: 1,4
1. Legend and border shall be direct applied Type III reflective sheeting.
2. Legend and border shall be direct applied non-reflective sheeting.
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
4. Background shall be Type III reflective sheeting.
5. Background shall be Type I reflective sheeting.
6. Center arrow(s) vertically on sign.
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
D 2000	119
D 2000	38.1

FILENAME: Proposed Signs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 102
TYPE: B
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 3'-0"
TOTAL AREA: 36.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADII: 6"
NO. Z BARS: 2
LENGTH: 136.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	124.4	14	8	12

DESIGN BY: G. TERLIZZI
CHECKED BY: K. JORDAN
PROJECT ID: U-3456
DIV: 8
DATE: May 08, 2007

USE NOTES: 1,4
1. Legend and border shall be direct applied Type III reflective sheeting.
2. Legend and border shall be direct applied non-reflective sheeting.
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
4. Background shall be Type III reflective sheeting.
5. Background shall be Type I reflective sheeting.
6. Center arrow(s) vertically on sign.
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
D 2000	108.9
D 2000	40.7

FILENAME: Proposed Signs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 103
TYPE: B
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 3'-0"
TOTAL AREA: 36.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADII: 6"
NO. Z BARS: 2
LENGTH: 136.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	7.6	14	8	12

DESIGN BY: G. TERLIZZI
CHECKED BY: K. JORDAN
PROJECT ID: U-3456
DIV: 8
DATE: May 08, 2007

USE NOTES: 1,4
1. Legend and border shall be direct applied Type III reflective sheeting.
2. Legend and border shall be direct applied non-reflective sheeting.
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
4. Background shall be Type III reflective sheeting.
5. Background shall be Type I reflective sheeting.
6. Center arrow(s) vertically on sign.
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
D 2000	108.9
D 2000	40.7

FILENAME: Proposed Signs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 104
TYPE: B
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 3'-0"
TOTAL AREA: 36.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADII: 6"
NO. Z BARS: 2
LENGTH: 136.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	122.8	14	8	12

DESIGN BY: G. TERLIZZI
CHECKED BY: K. JORDAN
PROJECT ID: U-3456
DIV: 8
DATE: May 10, 2007

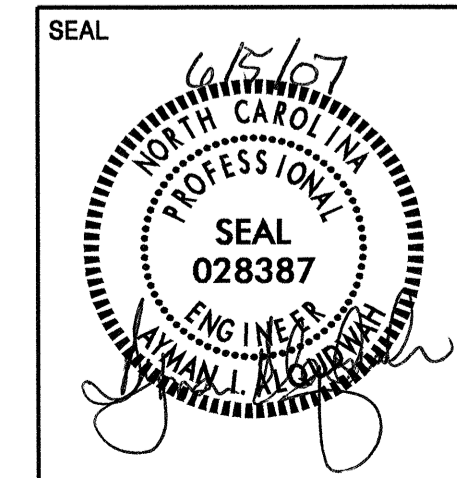
USE NOTES: 1,4
1. Legend and border shall be direct applied Type III reflective sheeting.
2. Legend and border shall be direct applied non-reflective sheeting.
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
4. Background shall be Type III reflective sheeting.
5. Background shall be Type I reflective sheeting.
6. Center arrow(s) vertically on sign.
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
D 2000	105.7
D 2000	40.7

FILENAME: Proposed Signs
NORTH CAROLINA D.O.T. SIGN DETAIL



TYPE "A" & "B" SIGNS

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

SIGN NUMBER: 105
TYPE: B
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 3'-0"
TOTAL AREA: 36.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADII: 6"
NO. Z BARS: 2
LENGTH: 136.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	9.2	14	8	12

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. TERLIZZI
CHECKED BY: K. JORDAN
PROJECT ID: U-3456
DIV: 8
DATE: May 10, 2007

USE NOTES: 1,4
1. Legend and border shall be direct applied Type III reflective sheeting.
2. Legend and border shall be direct applied non-reflective sheeting.
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
4. Background shall be Type III reflective sheeting.
5. Background shall be Type I reflective sheeting.
6. Center arrow(s) vertically on sign.
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter																Series/Size Text Length	
R	I	C	H	M	O	N	D	P	R	I	M	A	R	Y		D 2000	
29.2	6.8	3	7.2	7.4	8	7.4	7.4	5.4	8	6.6	6.8	3.2	7.4	8	6.1	6.9	9.2
S	C	H	O	O	L												D 2000
61.6	6.6	7.2	7.2	7.3	7.4	5	41.6										40.7

FILENAME: Proposed Signs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 106
TYPE: B
QUANTITY: 1
SIGN WIDTH: 11'-0"
HEIGHT: 3'-0"
TOTAL AREA: 33.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADII: 6"
NO. Z BARS: 2
LENGTH: 124.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	9.5	12	8	12

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. TERLIZZI
CHECKED BY: K. JORDAN
PROJECT ID: U-3456
DIV: 8
DATE: May 08, 2007

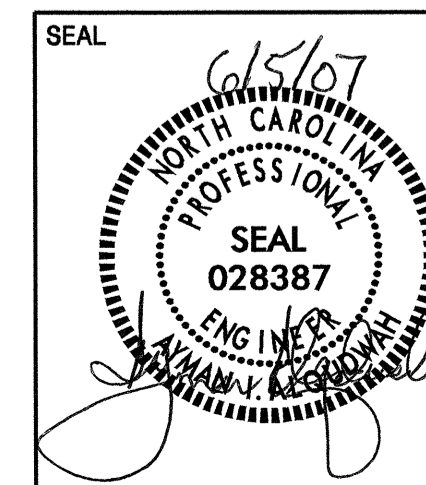
USE NOTES: 1,4
1. Legend and border shall be direct applied Type III reflective sheeting.
2. Legend and border shall be direct applied non-reflective sheeting.
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
4. Background shall be Type III reflective sheeting.
5. Background shall be Type I reflective sheeting.
6. Center arrow(s) vertically on sign.
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter																Series/Size Text Length
R	I	C	H	M	O	N	D	S	E	N	I	O	R		D 2000	
25.5	6.8	3	7.2	7.4	8	7.4	7.4	5.4	8	6.8	6.3	7.4	3	7.4	5.4	9.5
H	I	G	H	S	C	H	O	O	L							D 2000
38.1	7.4	3	7.2	5.4	8	6.6	7.2	7.2	7.3	7.4	5	22.1				71.8

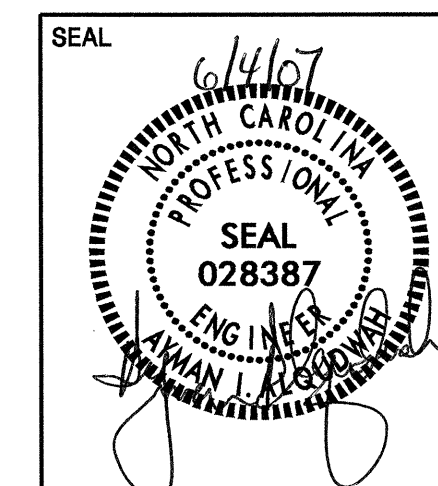
FILENAME: Proposed Signs NORTH CAROLINA D.O.T. SIGN DETAIL



TYPE "A" & "B" SIGNS

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

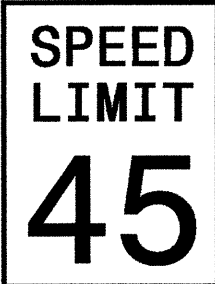
SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 7'-0" HEIGHT: 3'-0" TOTAL AREA: 21.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADIUS: 6" NO. Z BARS: LENGTH:		BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT	DESIGN BY: G. TERLIZZI PROJECT ID: U-3456	CHECKED BY: K. JORDAN DIV: 8	DATE: May 08, 2007								
USE NOTES: 1,4 1. Legend and border shall be direct applied Type III reflective sheeting. 2. Legend and border shall be direct applied non-reflective sheeting. 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable. 4. Background shall be Type III reflective sheeting. 5. Background shall be Type I reflective sheeting. 6. Center arrow(s) vertically on sign. 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:													
LETTER POSITIONS													
Letter spacings are to start of next letter													
	R	O	C	K	I	N	G	H	A	M		Series/Size Text Length	
	8.7	6.6	7.3	7.2	7	3.2	7.2	7.2	6.6	8	6.2	8.7	D 2000 66.6
	C	I	T	Y	L	I	M	I	T			D 2000 41.2	
	21.4	5.4	1.9	4.1	5.2	6	4.6	2.4	6.1	1.9	3.7	21.4	
FILENAME: Proposed Signs													
NORTH CAROLINA D.O.T. SIGN DETAIL													



TYPE "D" SIGNS

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

403 QUANTITY REQ'D 12




24 X 30
R2-1

ONE "U" POST PER SIGN

MOUNT BELOW SIGN 427
IN 2 INSTALLATIONS


413 QUANTITY REQ'D 4



54 X 18
R6-1 (R)

TWO "U" POSTS PER SIGN

422 QUANTITY REQ'D 2



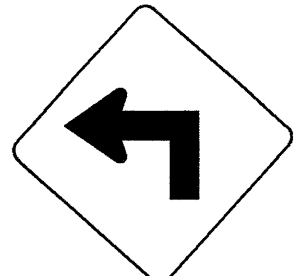
30 X 18
W16-7

YELLOW/GREEN REFLECTIVE SHEETING

MOUNT BELOW SIGN 461
IN 2 INSTALLATIONS

ONE "U" POSTS PER SIGN


447 QUANTITY REQ'D 1



36 X 36
W1-1L

ONE "U" POST PER SIGN

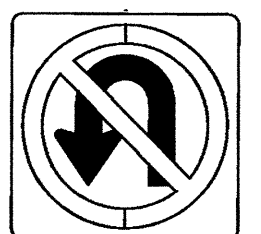
462 QUANTITY REQ'D 1



30 X 30
W14-2

ONE "U" POST PER SIGN

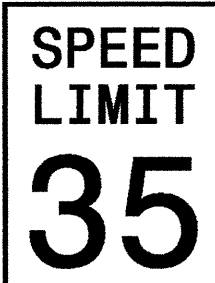
467 QUANTITY REQ'D 1



30 X 30
R3-4

ONE "U" POST PER SIGN


404 QUANTITY REQ'D 3



24 X 30
R2-1

ONE "U" POST PER SIGN

414 QUANTITY REQ'D 3



54 X 18
R6-1 (L)

TWO "U" POSTS PER SIGN

423 QUANTITY REQ'D 2

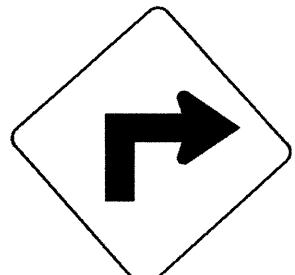


36 X 36
S1-1

YELLOW/GREEN REFLECTIVE SHEETING

ONE "U" POSTS PER SIGN


448 QUANTITY REQ'D 1



36 X 36
W1-1R

ONE "U" POST PER SIGN


463 QUANTITY REQ'D 2



24 X 30
R2-5a

ONE "U" POST PER SIGN

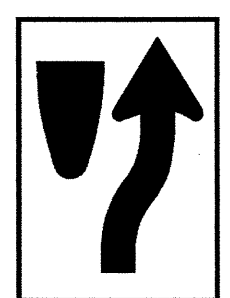
409 QUANTITY REQ'D 18



36 X 36
R1-1

ONE "U" POST PER SIGN

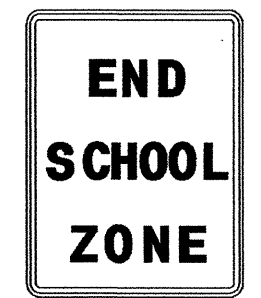
415 QUANTITY REQ'D 23



24 X 30
R4-7

ONE "U" POST PER SIGN

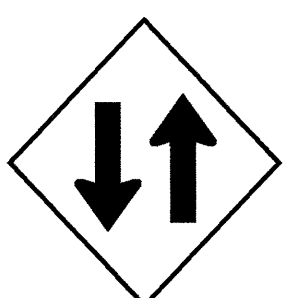
427 QUANTITY REQ'D 2



24 X 30
S5-2

ONE "U" POST PER SIGN

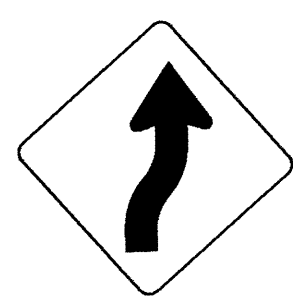
456 QUANTITY REQ'D 1



36 X 36
W6-3

ONE "U" POST PER SIGN


465 QUANTITY REQ'D 1



30 X 30
W1-4R

ONE "U" POST PER SIGN


410 QUANTITY REQ'D 9



36 X 24
R5-1a

ONE "U" POST PER SIGN

420 QUANTITY REQ'D 4




24 X 12
W16-9p

YELLOW/GREEN REFLECTIVE SHEETING

MOUNT BELOW SIGN 423
IN 2 INSTALLATIONS

MOUNT BELOW SIGN 461
IN 2 INSTALLATIONS

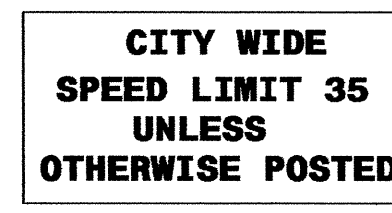
437 QUANTITY REQ'D 1



36 X 36
W9-2(R)

ONE "U" POST PER SIGN

458 QUANTITY REQ'D 1

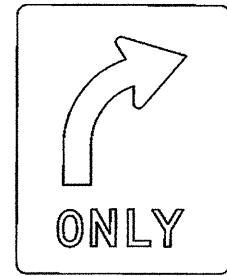


60 X 36
R2-27

OTHERWISE POSTED

MOUNT BELOW SIGN 301
IN 1 INSTALLATIONS

466 QUANTITY REQ'D 4




30 X 36
R3-5R

ONLY

ONE "U" POST PER SIGN


411 QUANTITY REQ'D 9



30 X 30
R5-1

ONE "U" POST PER SIGN

421 QUANTITY REQ'D 4



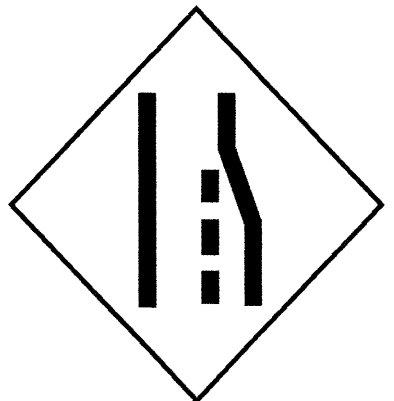
30 X 8
S4-3

YELLOW/GREEN REFLECTIVE SHEETING

MOUNT ABOVE SIGN 404
IN 2 INSTALLATIONS

MOUNT ABOVE SIGN 463
IN 2 INSTALLATIONS


439 QUANTITY REQ'D 1



36 X 36
W4-2(R)

ONE "U" POST PER SIGN

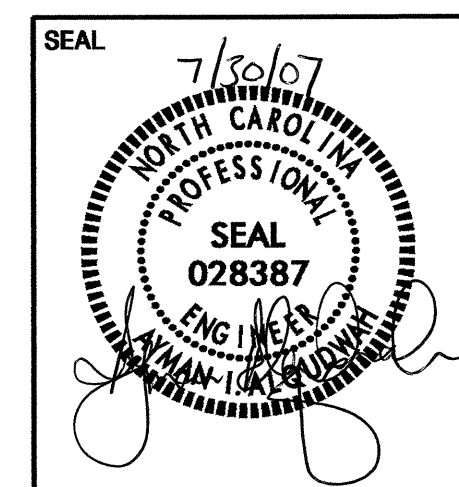
461 QUANTITY REQ'D 4



36 X 36
W11-2

YELLOW/GREEN REFLECTIVE SHEETING

ONE "U" POST PER SIGN

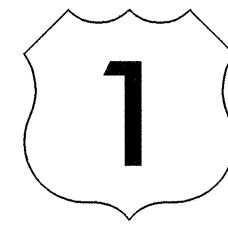


TYPE "E" SIGNS



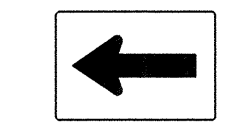
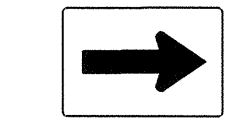
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

DATE PLOTTED: 7/30/07

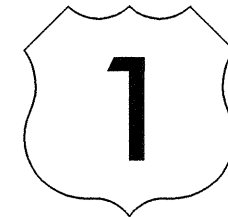
501 506 510 512

JCT 1 - 24" X 12"
 1 - 24" X 24"


502 511

SOUTH NORTH 2 - 24" X 12"
  2 - 24" X 24"
  2 - 21" X 15"



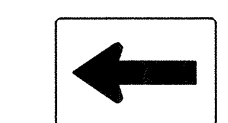
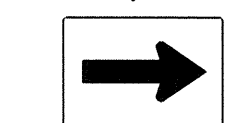
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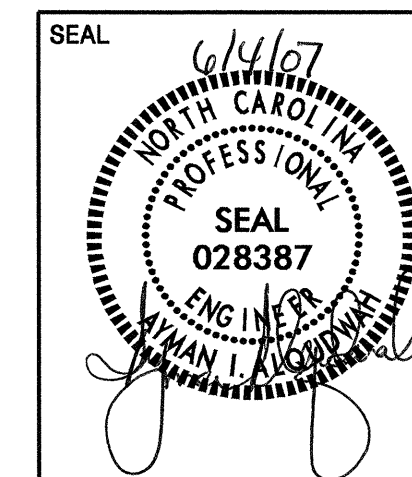
NORTH 1 - 24" X 12"
 1 - 24" X 24"

504 508 509

SOUTH 1 - 24" X 12"
 1 - 24" X 24"

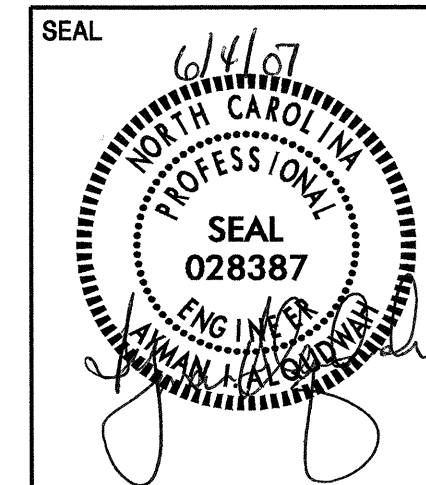
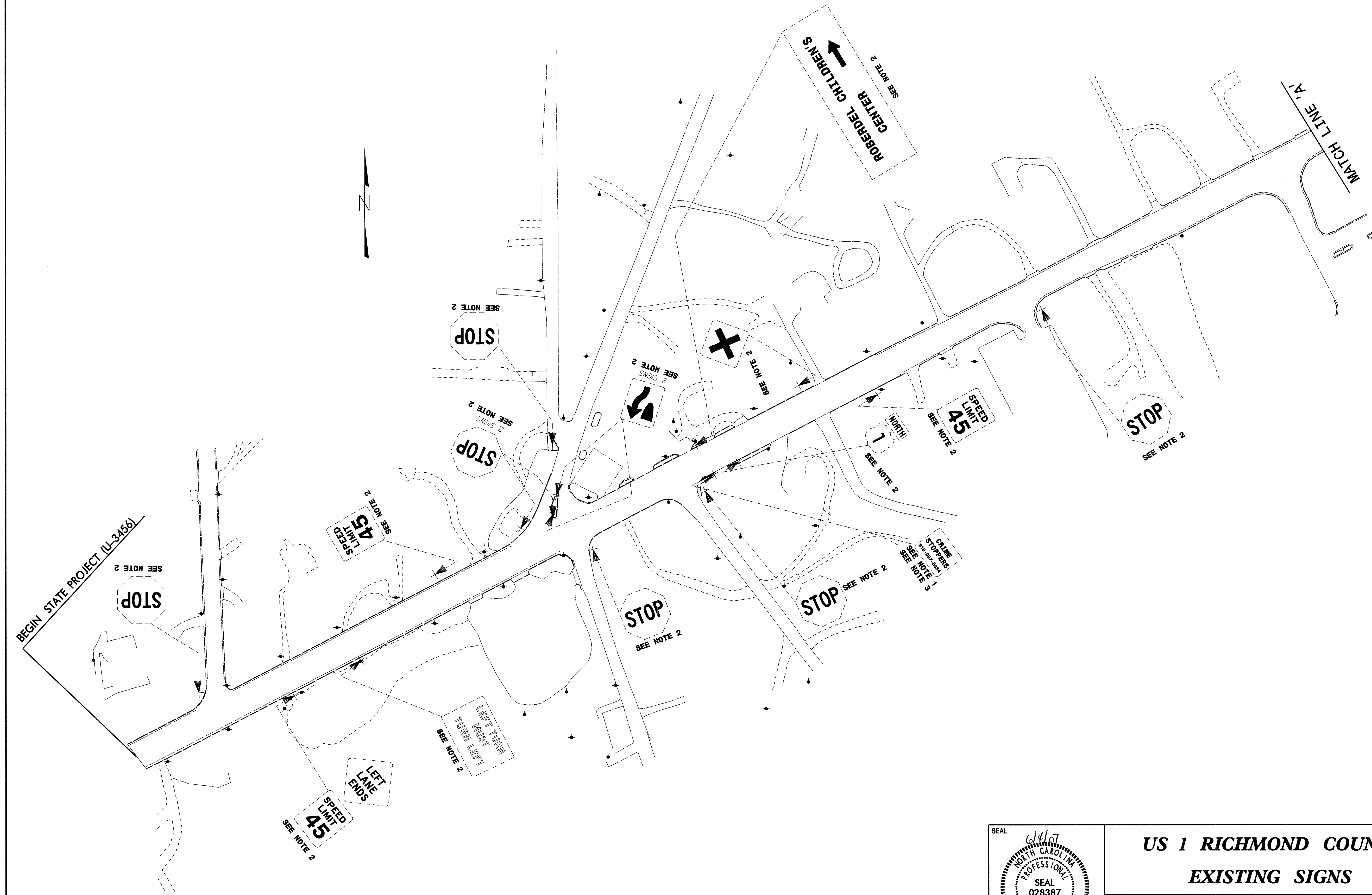
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NORTH SOUTH 2 - 24" X 12"
  2 - 24" X 24"
  2 - 21" X 15"



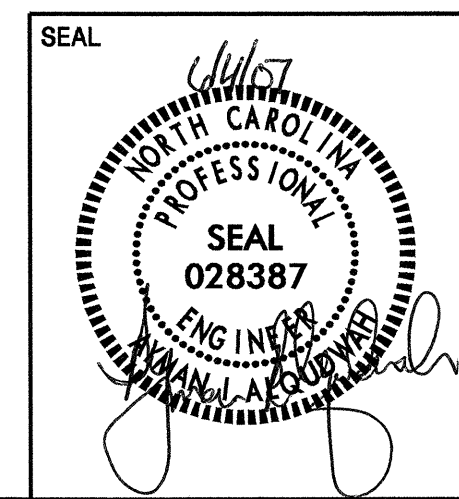
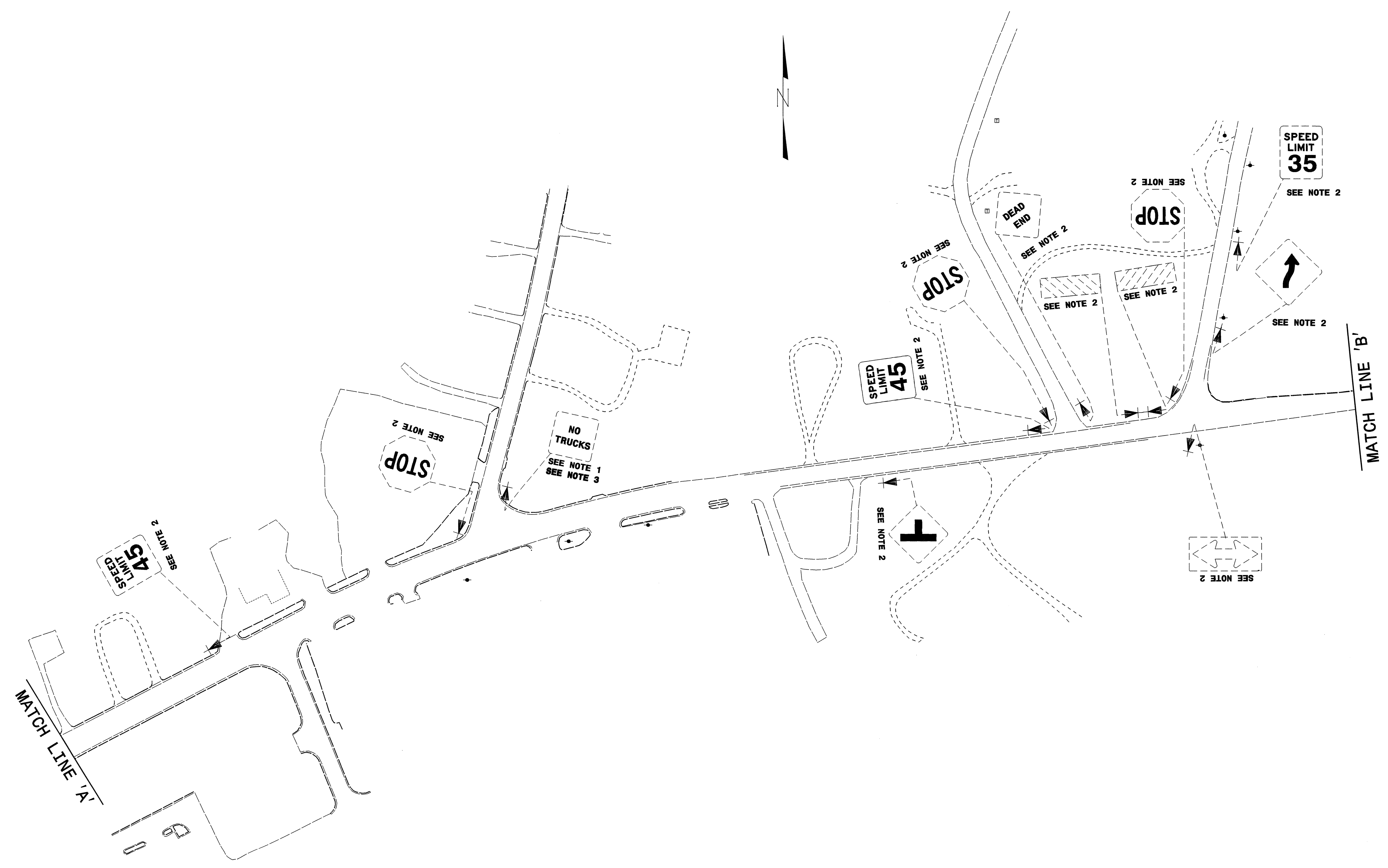
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DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



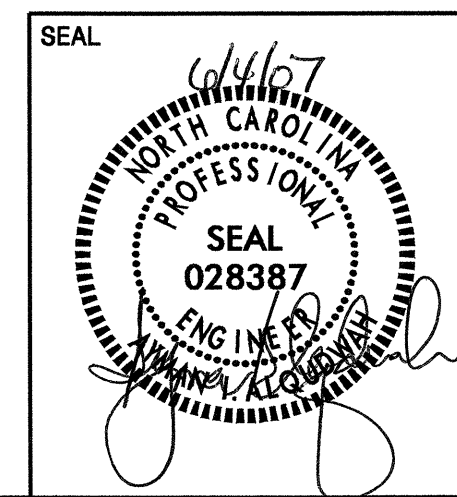
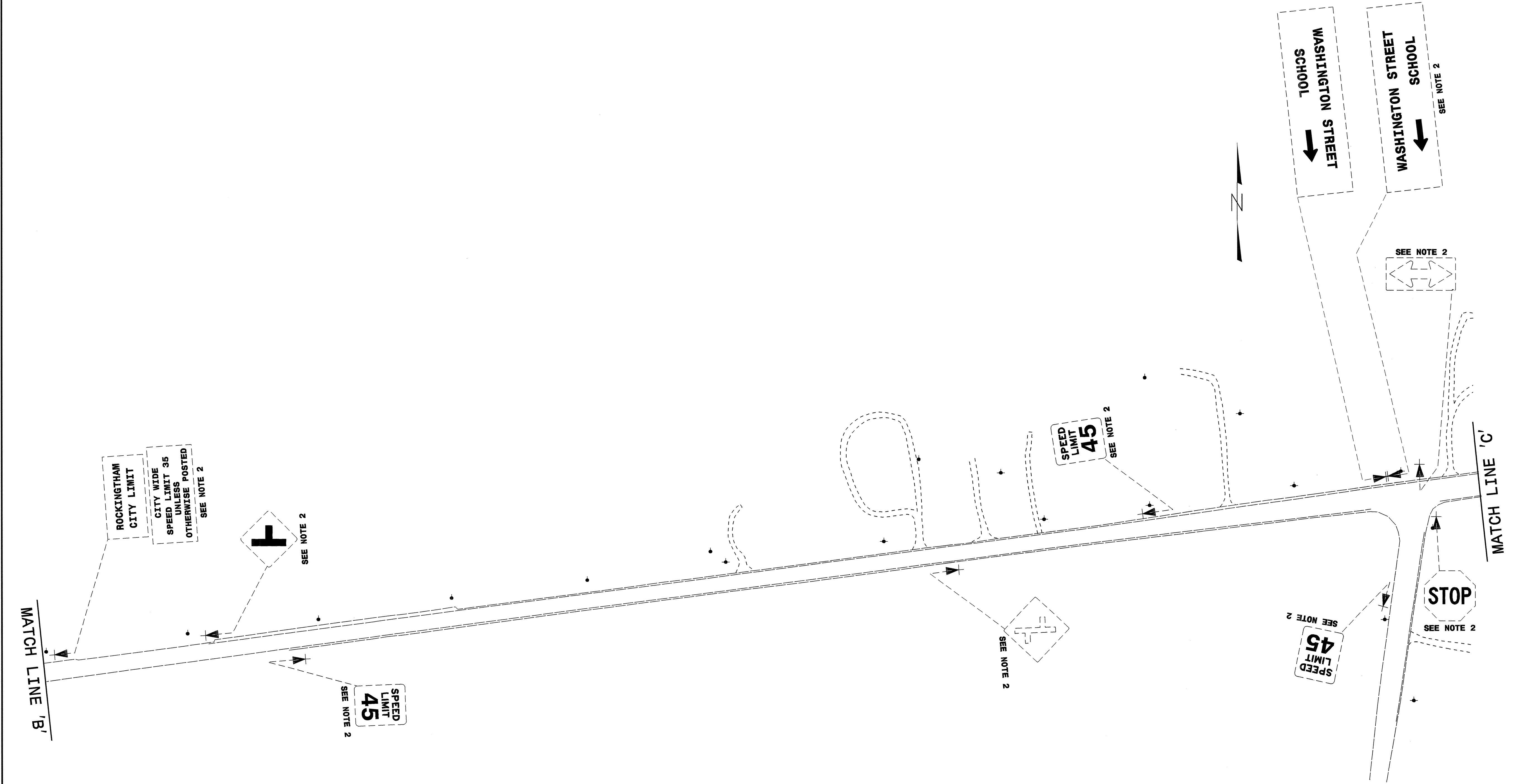
US 1 RICHMOND COUNTY EXISTING SIGNS

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



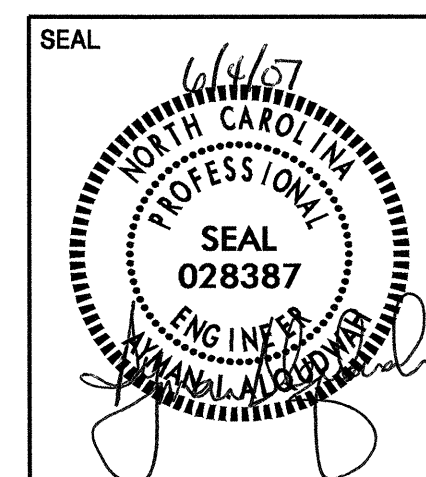
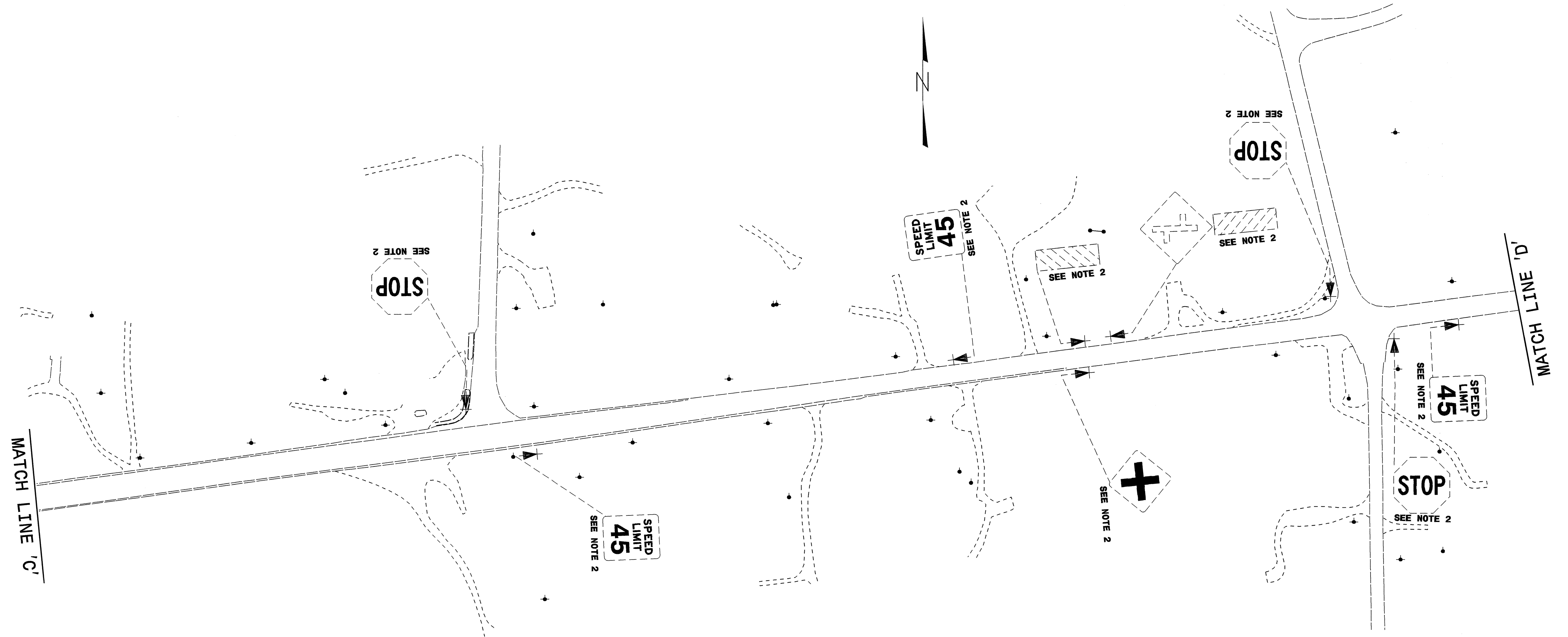
**US 1 RICHMOND COUNTY
EXISTING SIGNS**

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SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



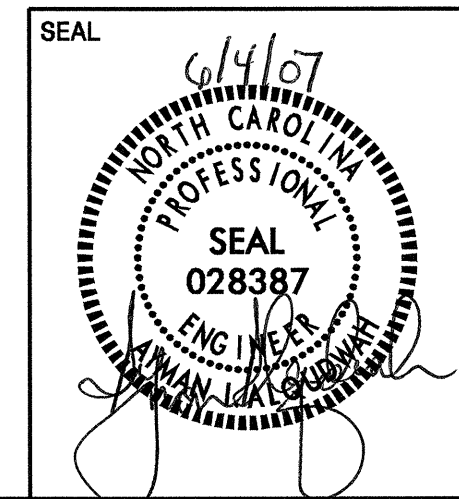
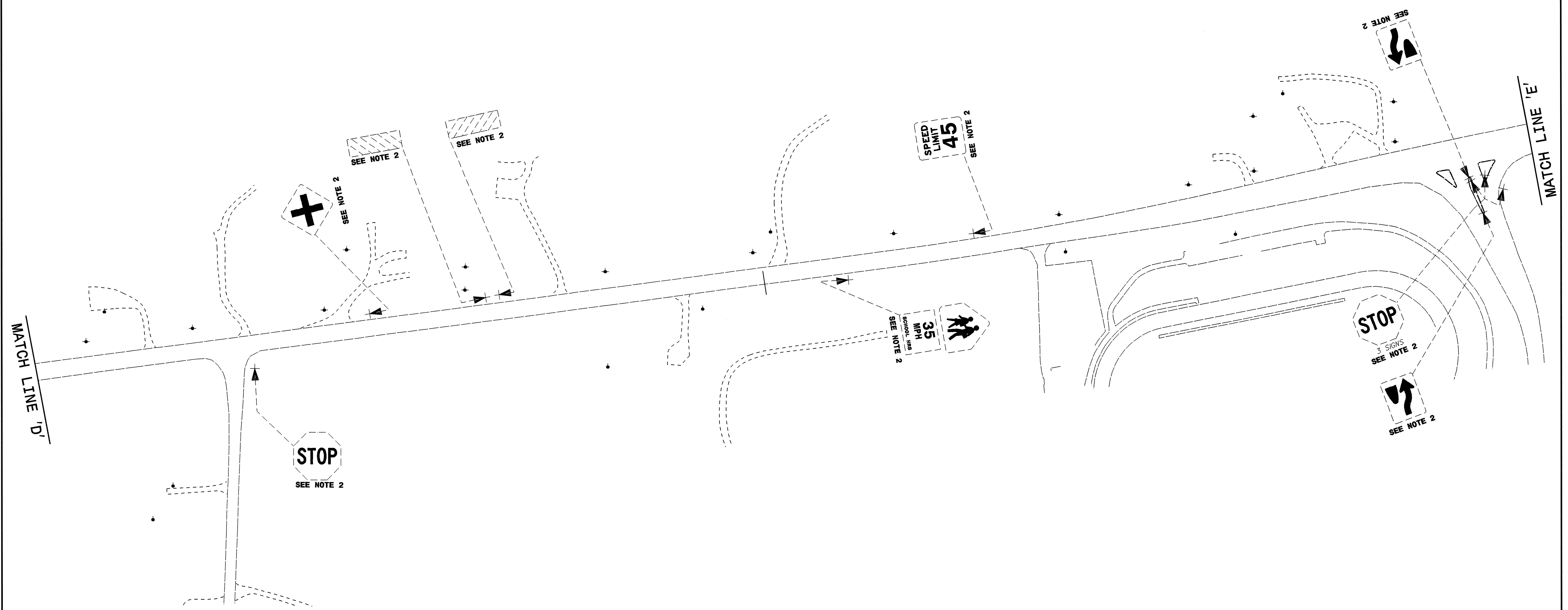
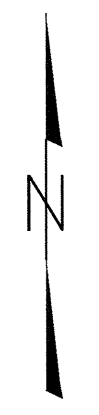
**US 1 RICHMOND COUNTY
EXISTING SIGNS**

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SIGNING PROJECT DGN ENG	K/JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

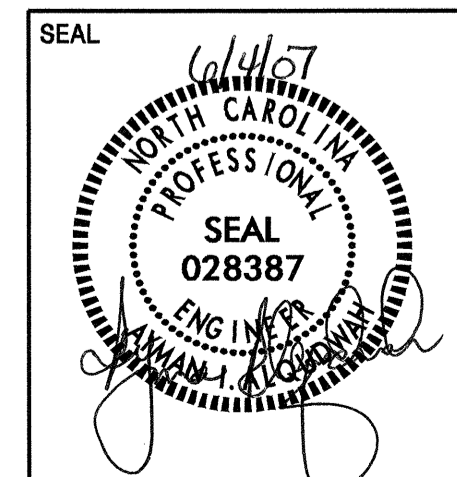
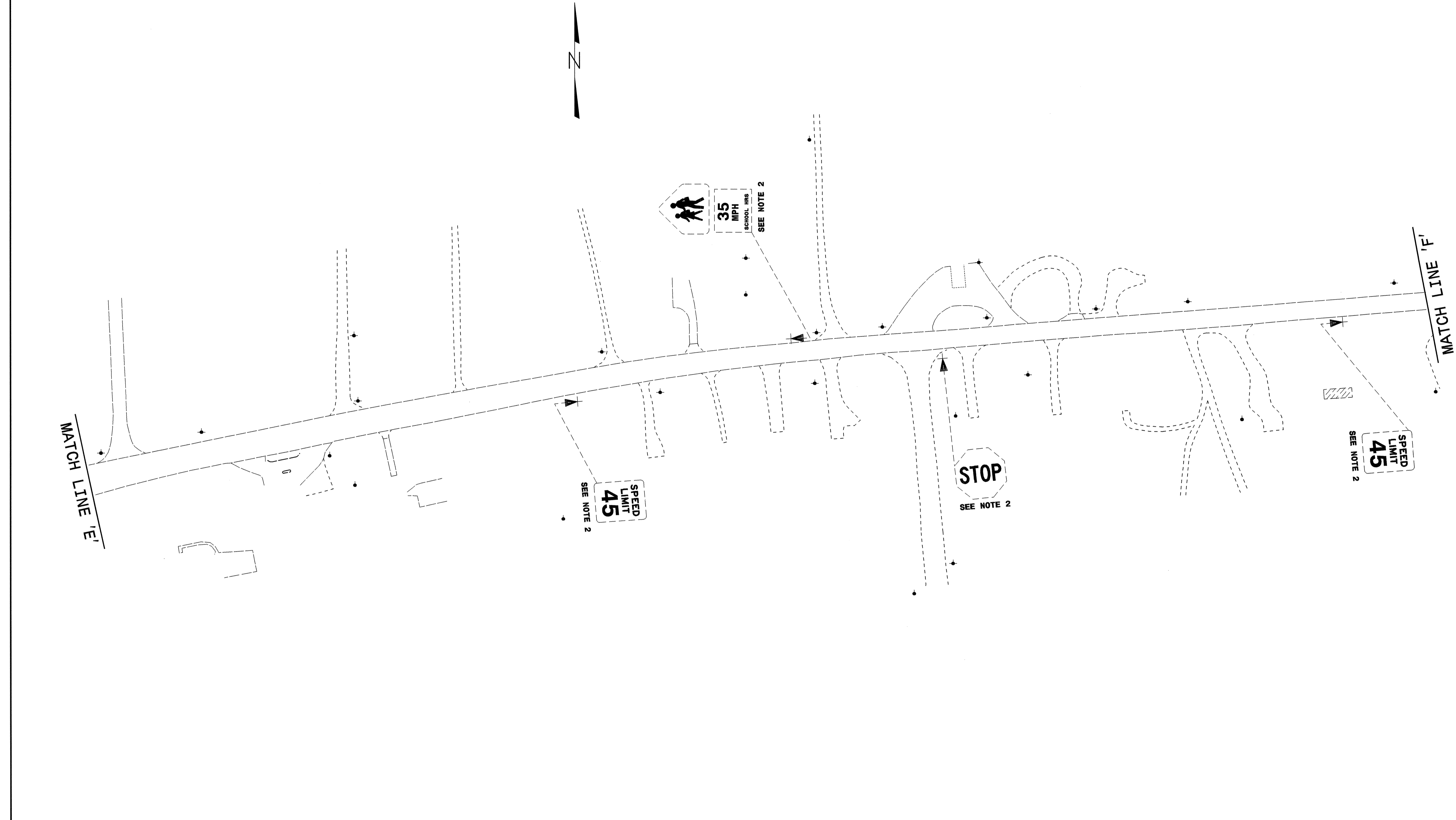


**US 1 RICHMOND COUNTY
EXISTING SIGNS**

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SIGNING PROJECT DGN ENG	K. JORDAN		
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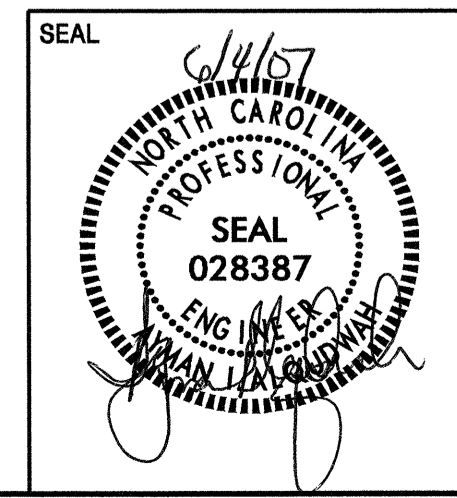
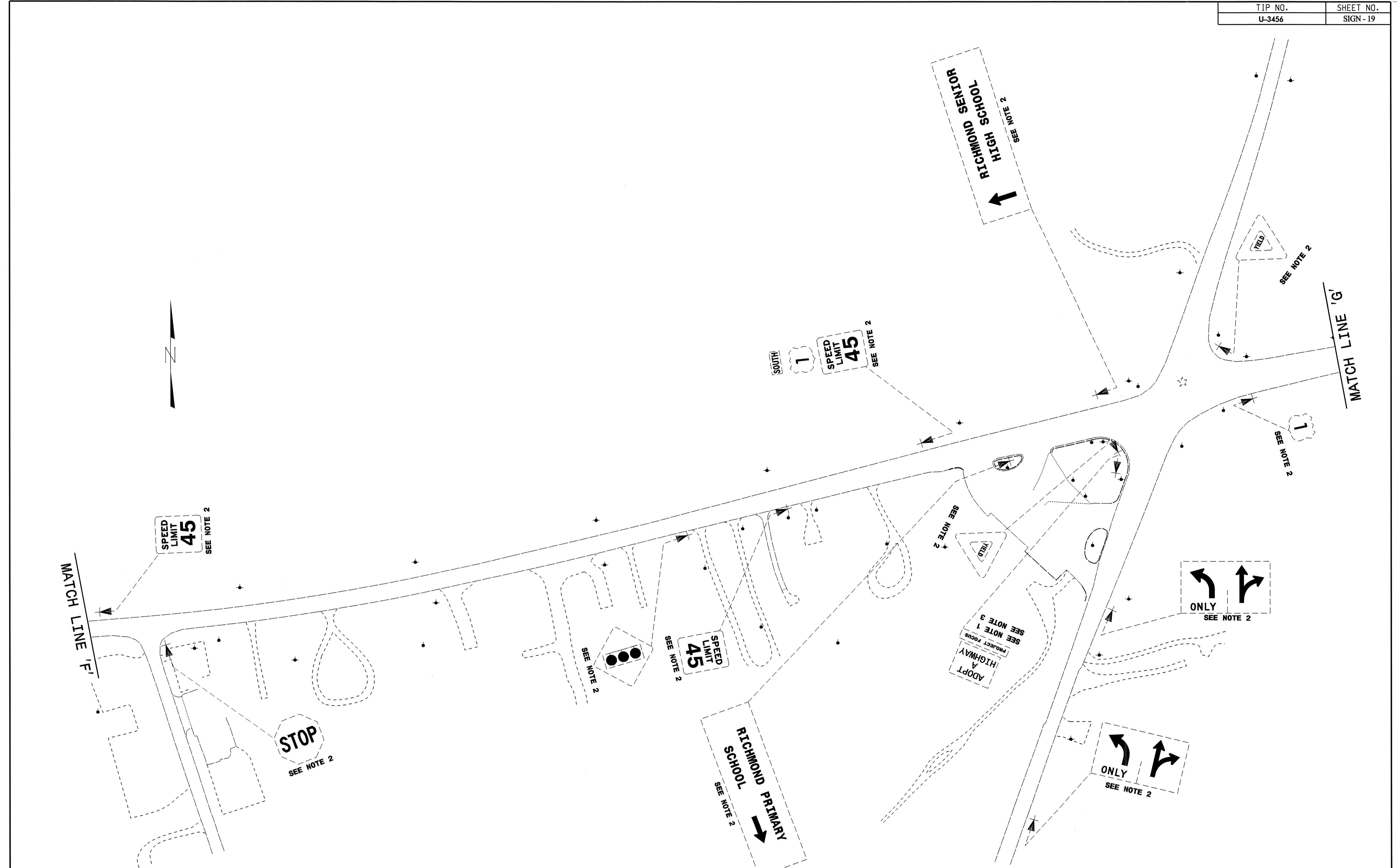


US 1 RICHMOND COUNTY EXISTING SIGNS			
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SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



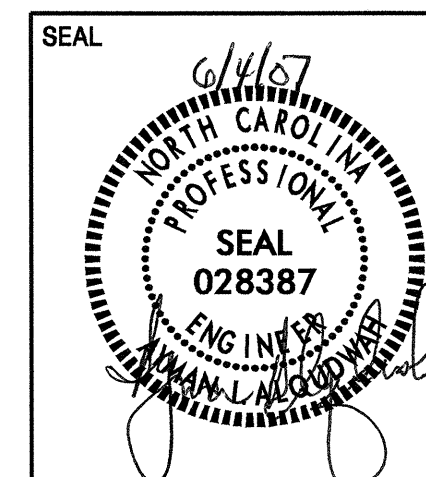
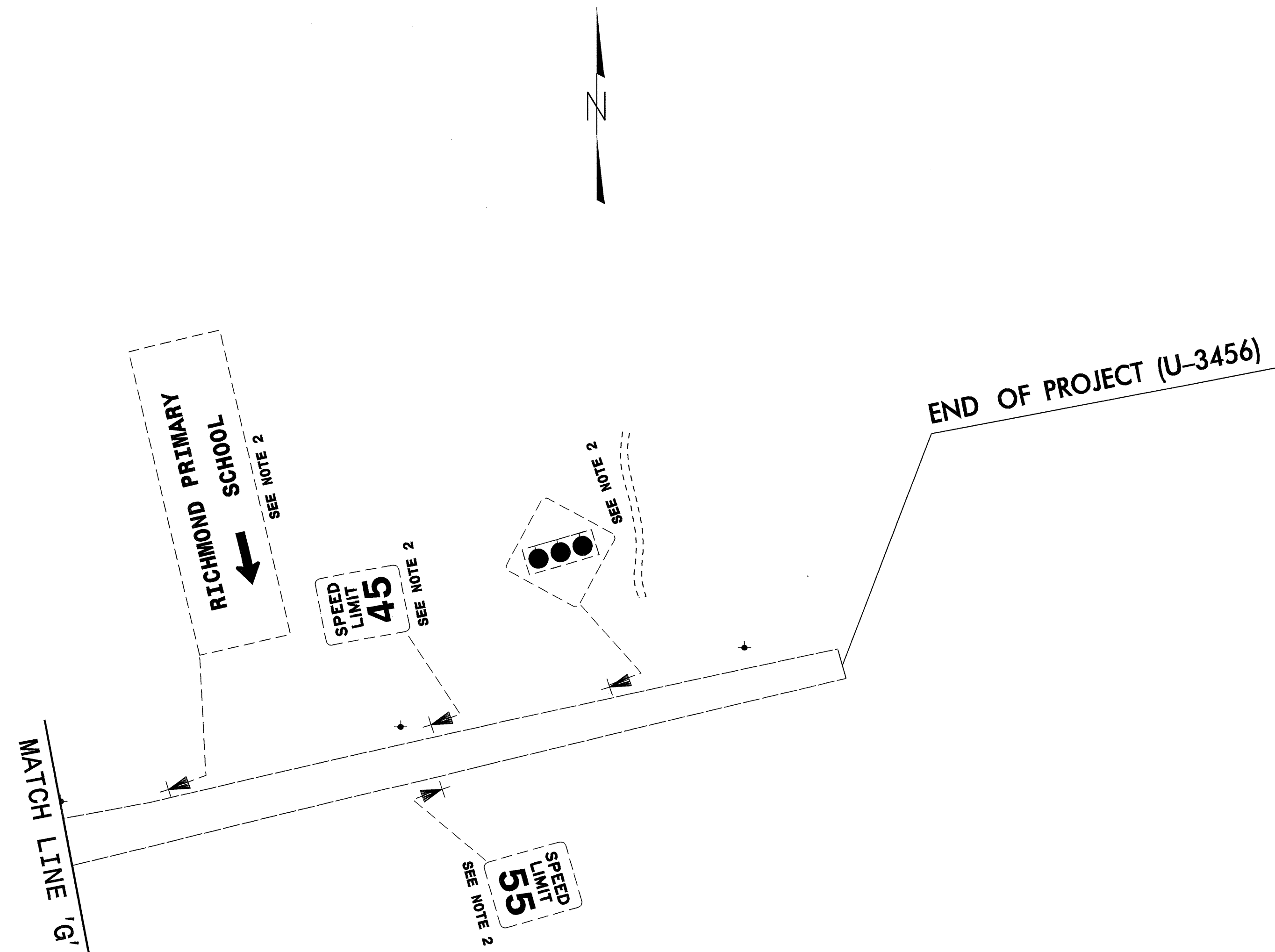
**US 1 RICHMOND COUNTY
EXISTING SIGNS**

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
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SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



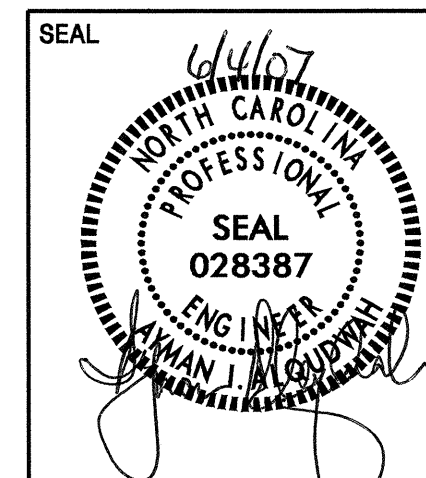
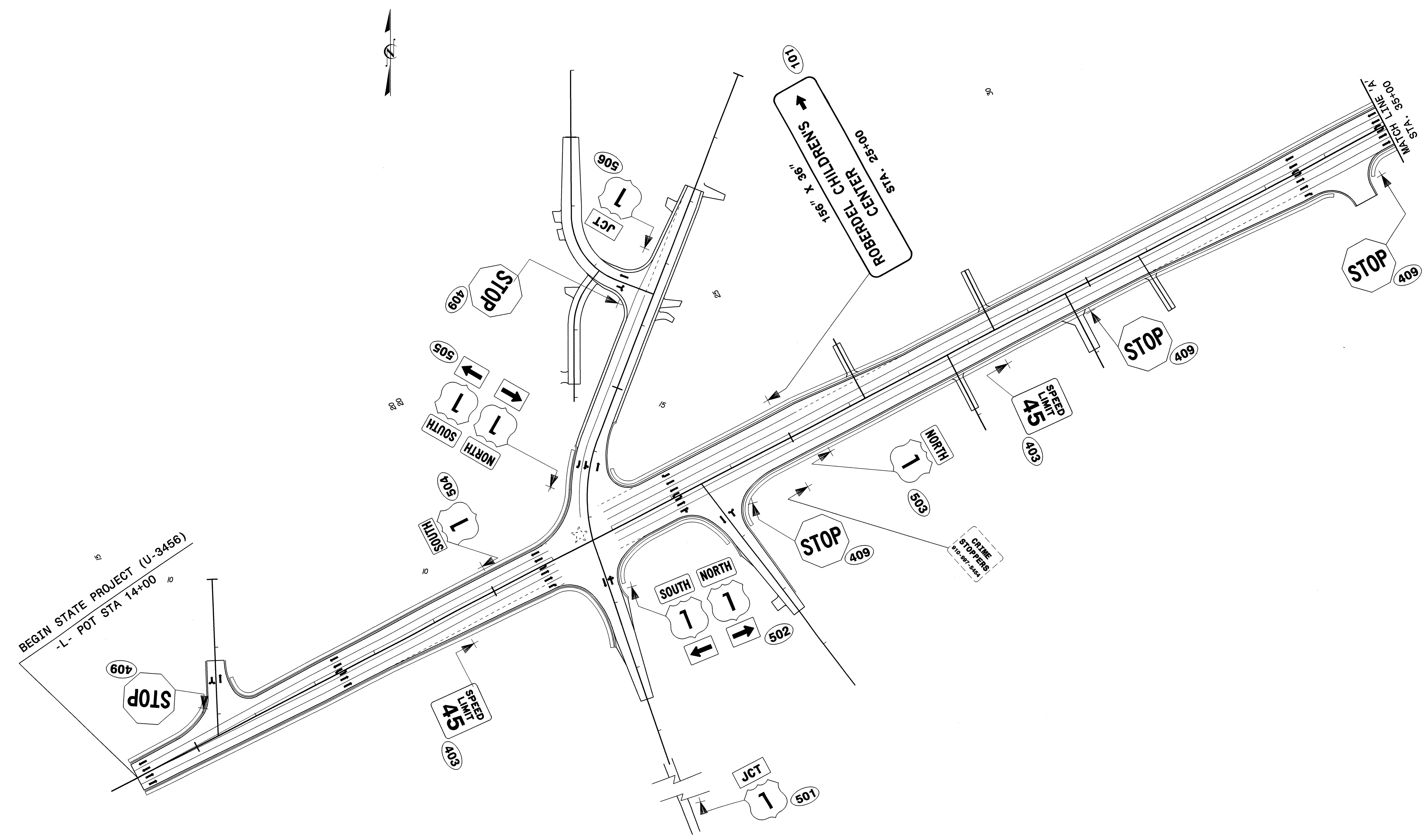
US 1 RICHMOND COUNTY EXISTING SIGNS

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SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



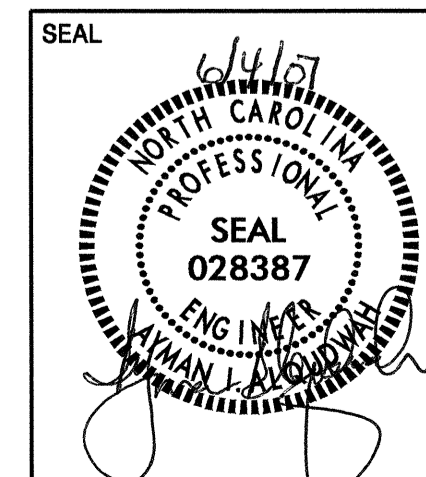
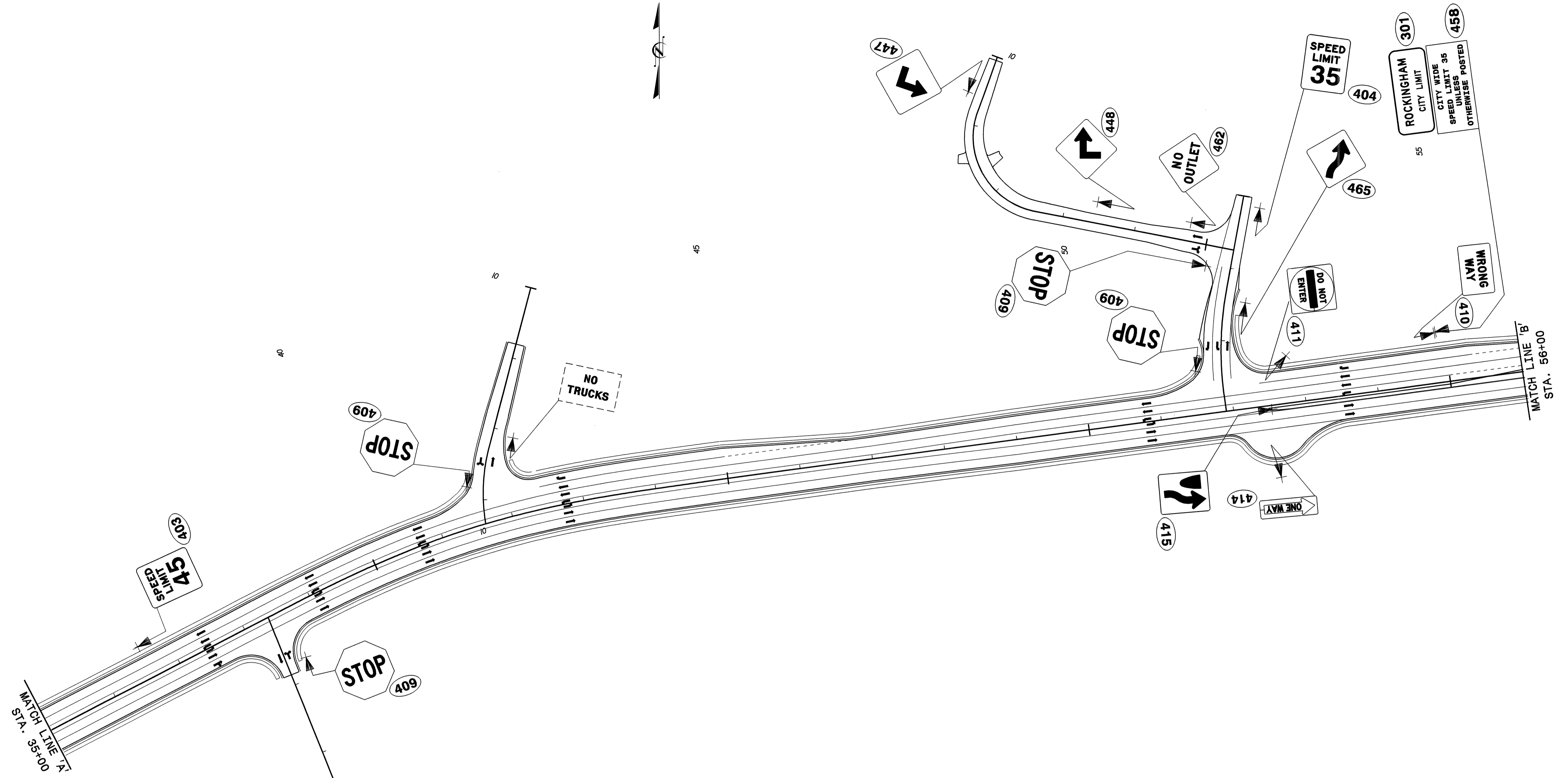
US 1 RICHMOND COUNTY EXISTING SIGNS

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SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



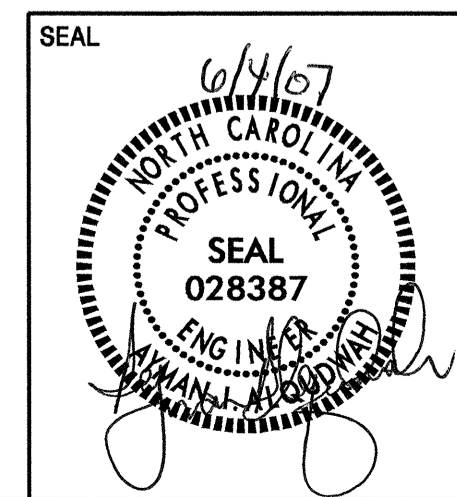
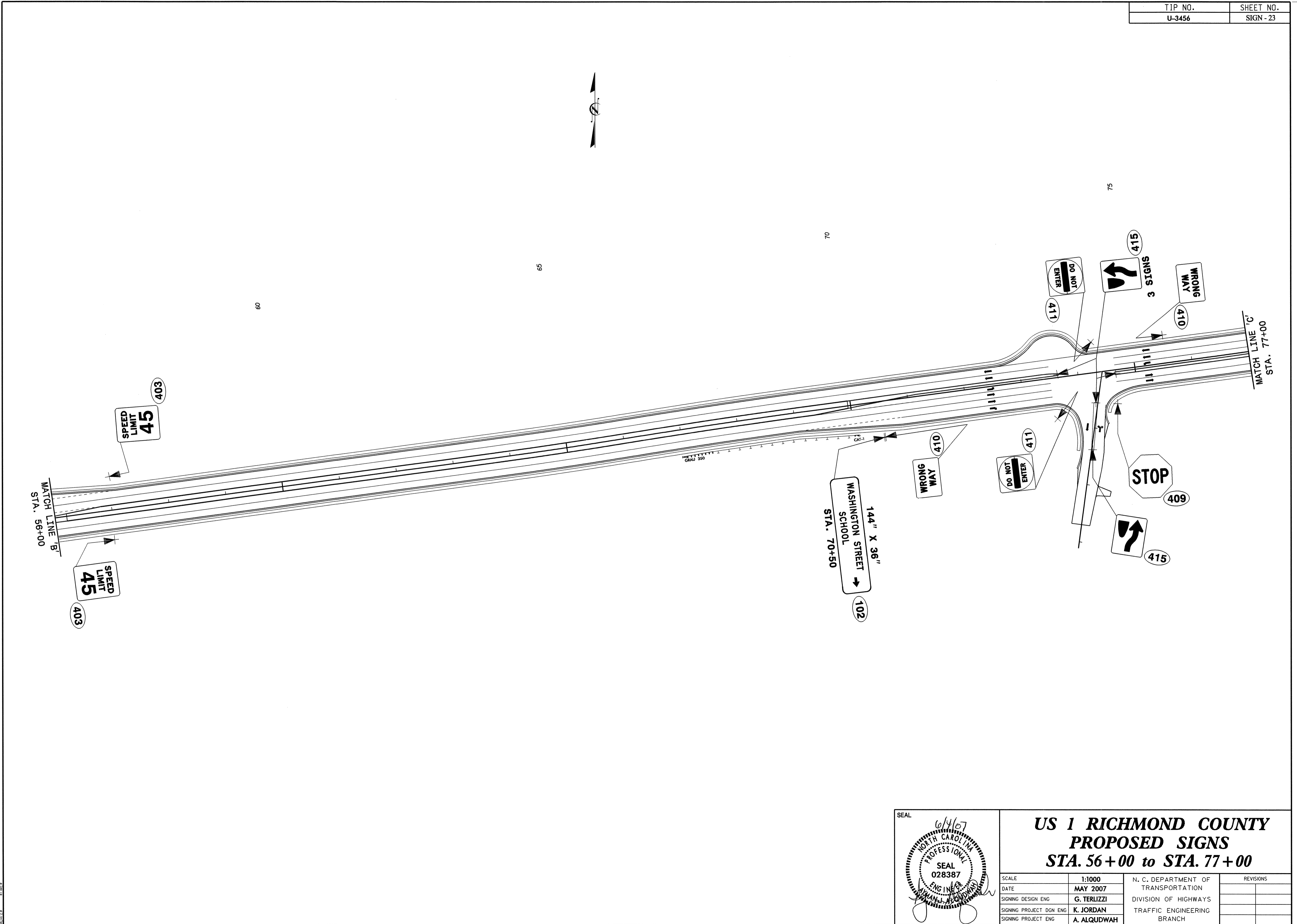
**US 1 RICHMOND COUNTY
PROPOSED SIGNS
STA. 14+00 to STA. 35+00**

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
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SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		

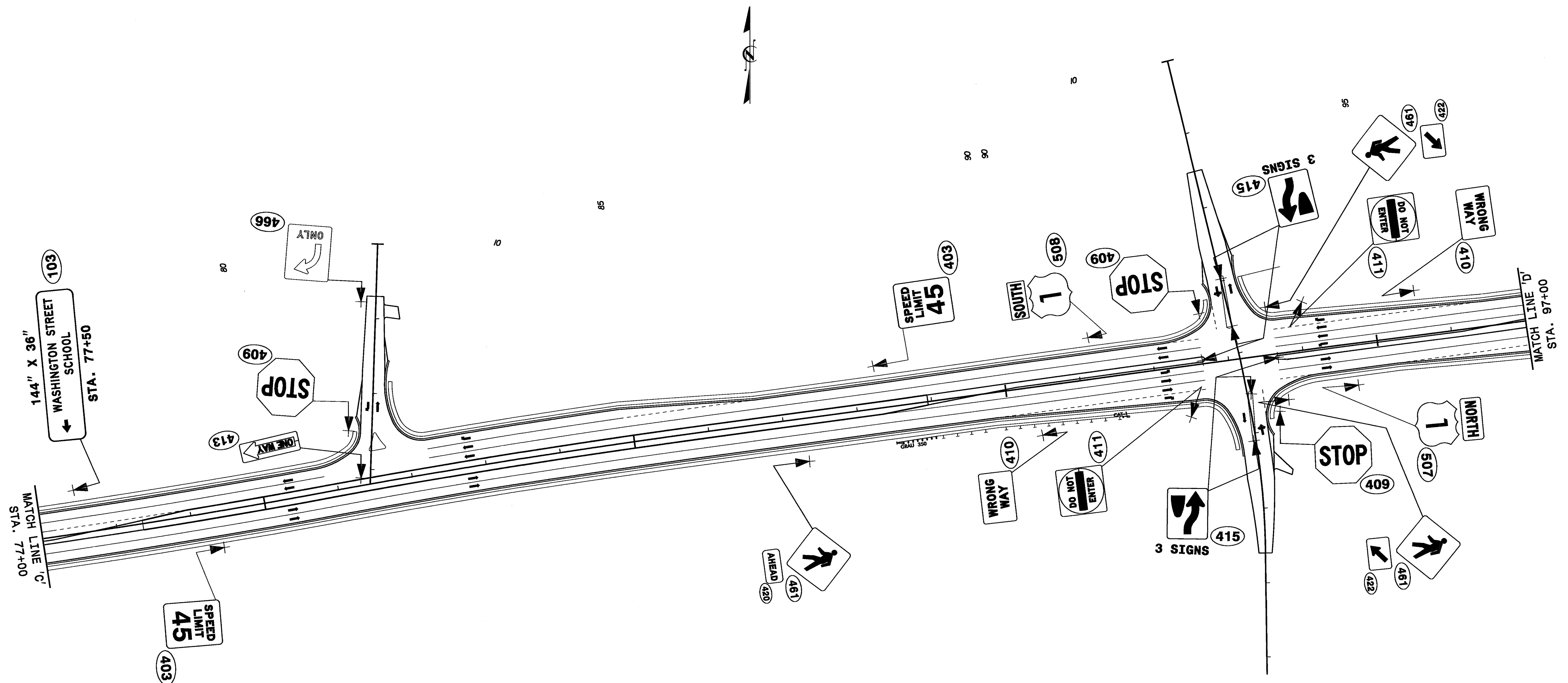


**US 1 RICHMOND COUNTY
PROPOSED SIGNS
STA. 35+00 to STA. 56+00**

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



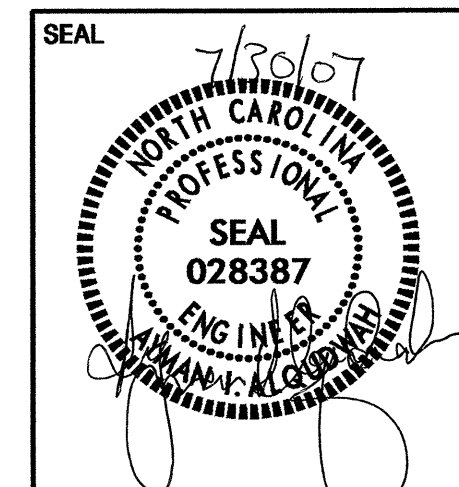
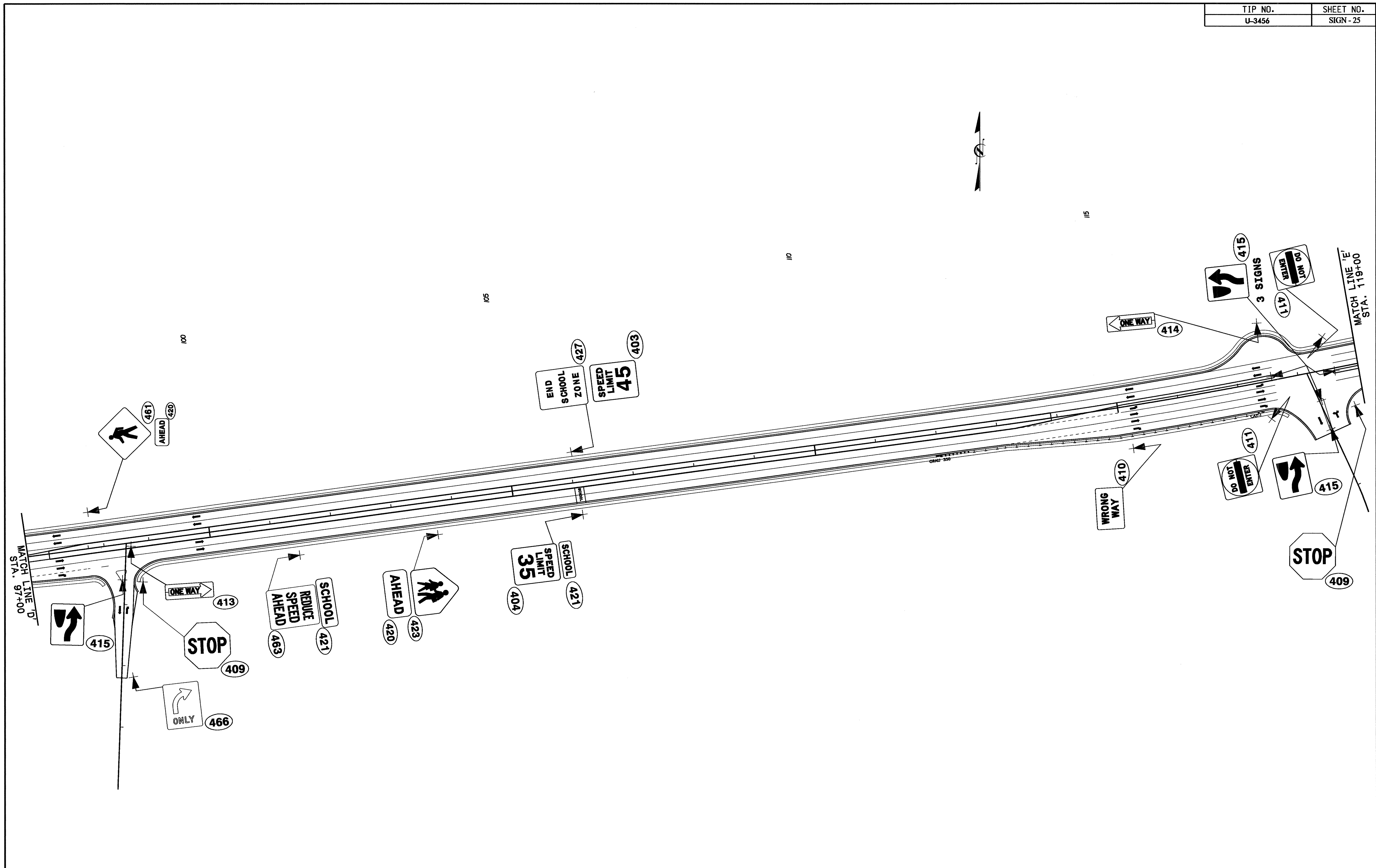
US 1 RICHMOND COUNTY PROPOSED SIGNS STA. 56+00 to STA. 77+00		
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH
DATE	MAY 2007	
SIGNING DESIGN ENG	G. TERLIZZI	
SIGNING PROJECT DGN ENG	K. JORDAN	
SIGNING PROJECT ENG	A. ALQUDWAH	REVISIONS



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7/30/07
NORTH CAROLINA PROFESSIONAL ENGINEERING EXAMINING BOARD
SEAL
028387
K. JORDAN
A. ALQUDWAH

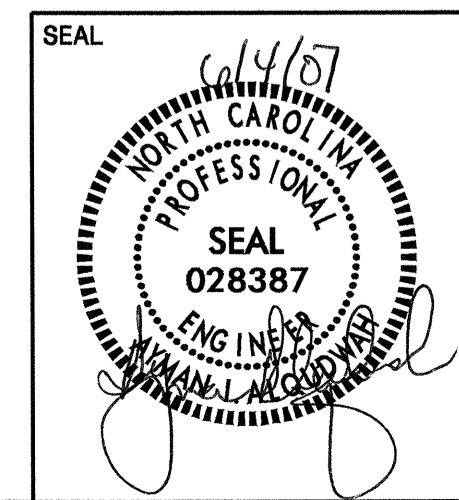
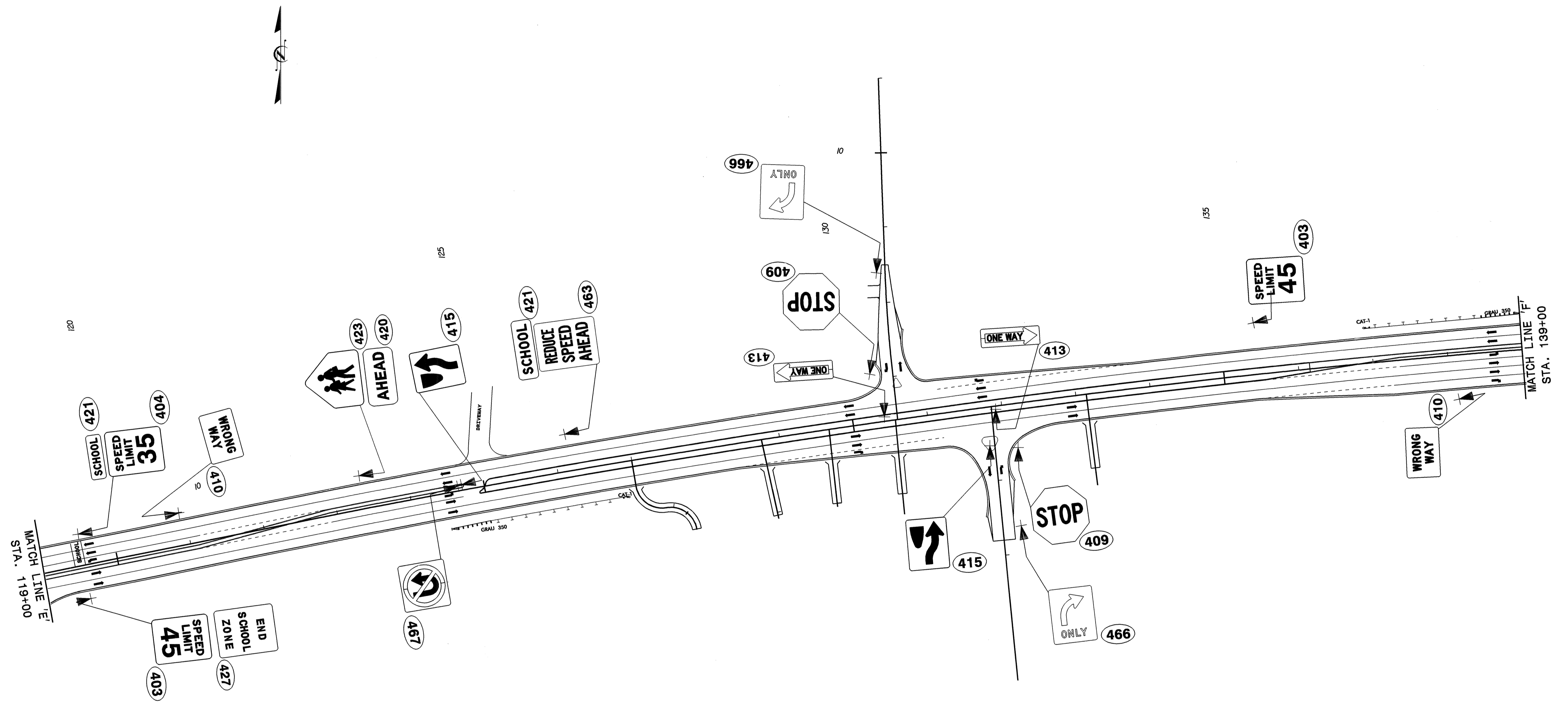
**US 1 RICHMOND COUNTY
PROPOSED SIGNS
STA. 77+00 to STA. 97+00**

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



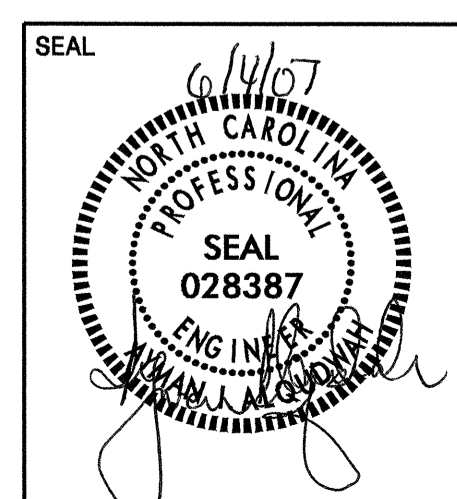
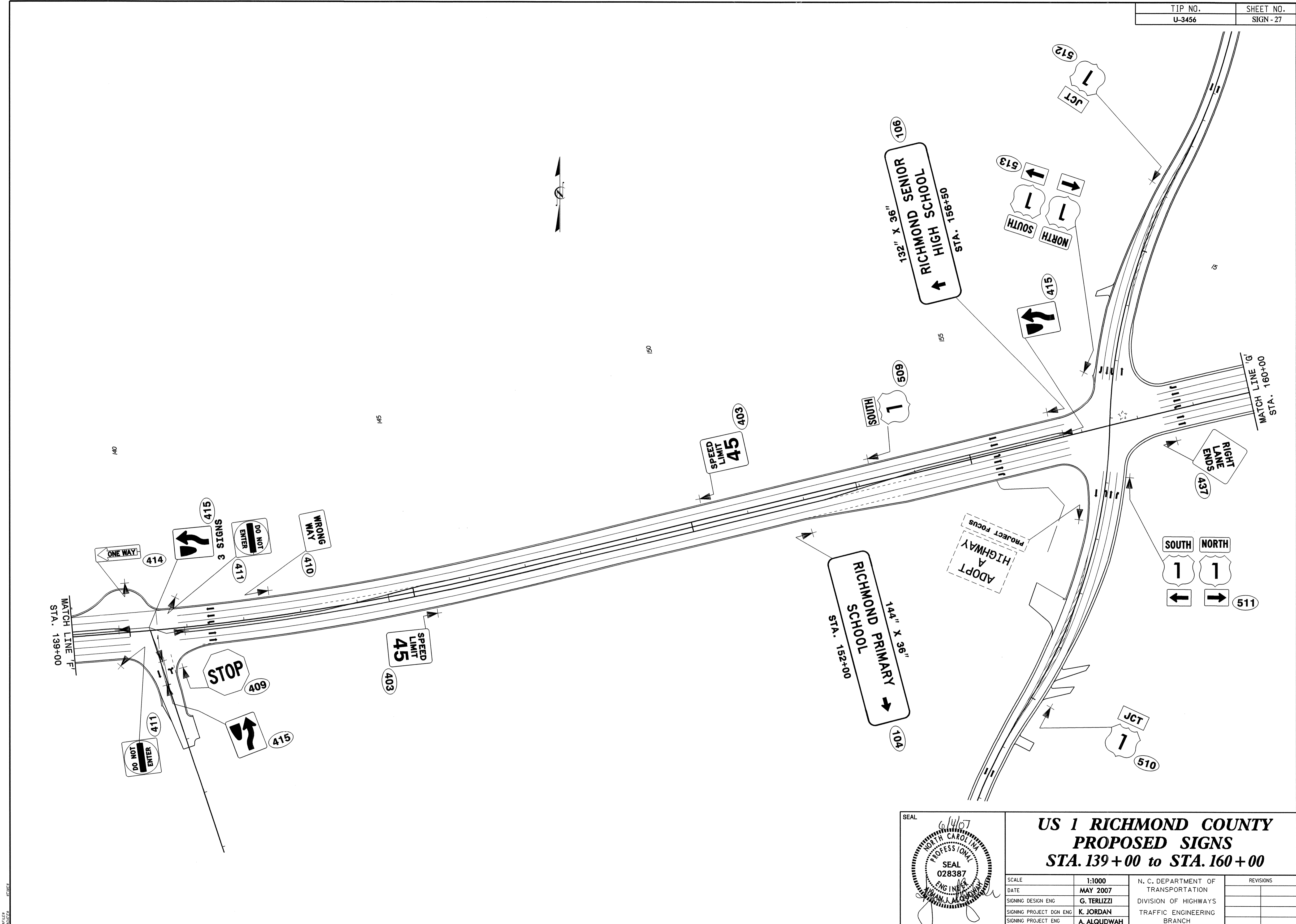
**US 1 RICHMOND COUNTY
PROPOSED SIGNS
STA. 97+00 to STA. 119+00**

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
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SIGNING PROJECT ENG	A. ALQUDWAH		

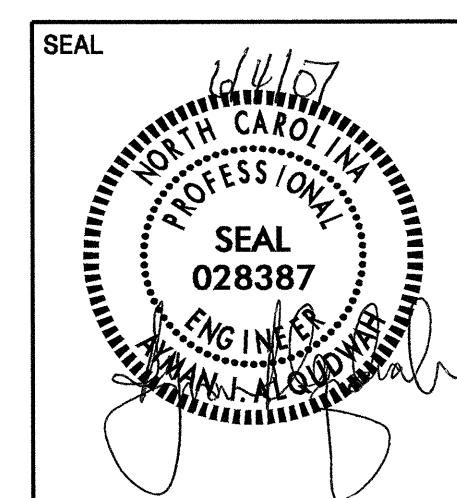
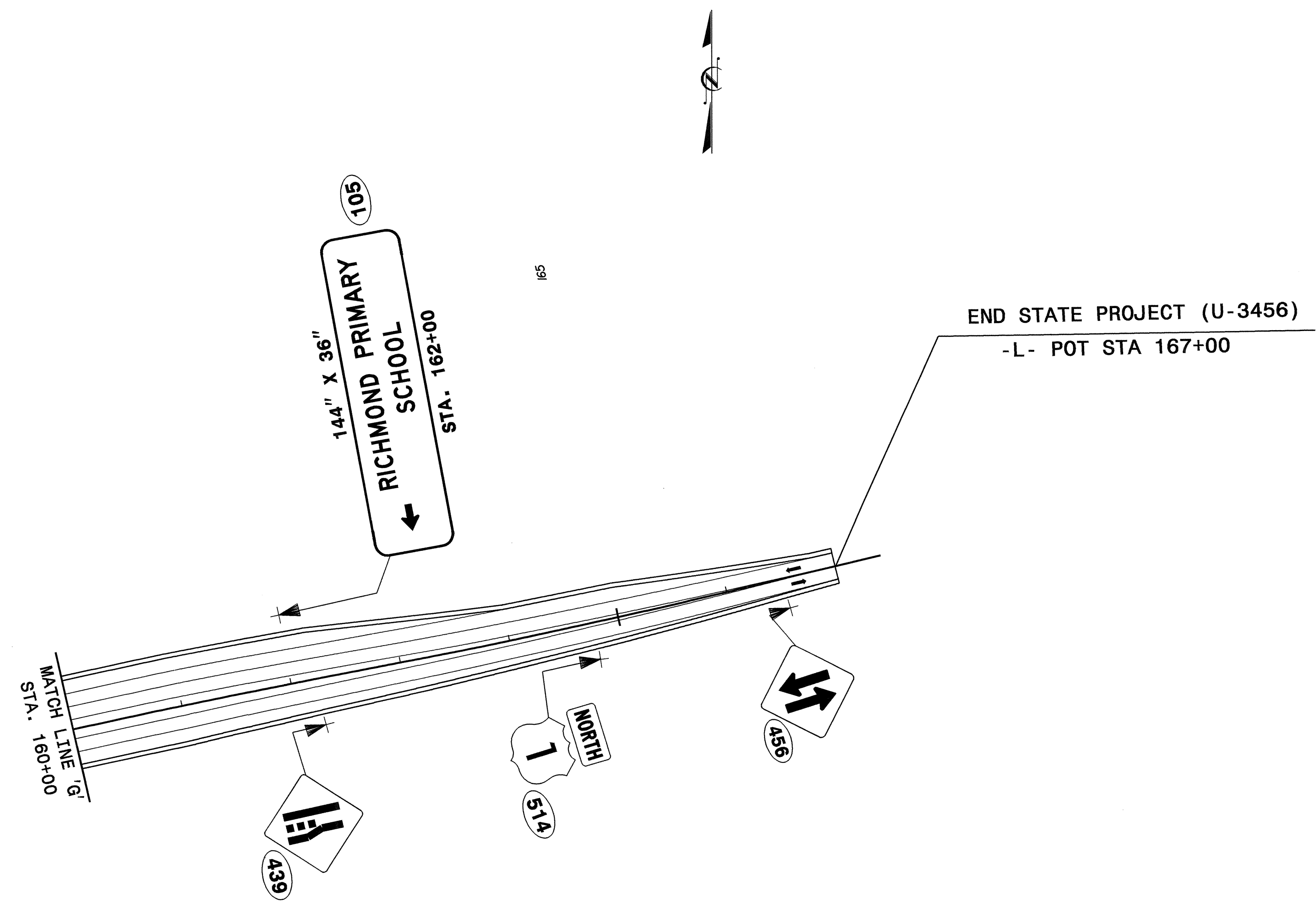


**US 1 RICHMOND COUNTY
PROPOSED SIGNS
STA. 119+00 to STA. 139+00**

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		



US 1 RICHMOND COUNTY PROPOSED SIGNS STA. 139+00 to STA. 160+00		N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS <table border="1" style="width: 100%; height: 100%;"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>								
SCALE	1:1000										
DATE	MAY 2007										
SIGNING DESIGN ENG	G. TERLIZZI										
SIGNING PROJECT DGN ENG	K. JORDAN										
SIGNING PROJECT ENG	A. ALQUDWAH										



**US 1 RICHMOND COUNTY
PROPOSED SIGNS
STA. 160+00 to STA. 167+00**

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN ENG	G. TERLIZZI		
SIGNING PROJECT DGN ENG	K. JORDAN		
SIGNING PROJECT ENG	A. ALQUDWAH		