

T.I.P.: U-4019

CONTRACT: C202621

16 MAY 2011 02:24
 B:\Projects\2011\0224\Signs\CADD\Quantities & GM Signs\U-4019\eed.dgn
 bnowlin

**STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
 NASH COUNTY**

**LOCATION: SR-1604 (N. WINSTEAD AVE.) FROM SR-1770 (SUNSET AVE.)
 TO SR-1604 (HUNTER HILL RD.)**

SUMMARY OF QUANTITIES

TIP NO. U-4019	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 5-16-11	
SEAL	

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.10	TYPE 'A' SIGNS
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
4048000000	902 REINFORCED CONCRETE SIGN FOUNDATIONS	1	C.Y.
4054000000	902 PLAIN CONCRETE SIGN FOUNDATIONS	3	C.Y.
4072000000	903 SUPPORTS, BREAKAWAY STEEL BEAM	2957	LB
4082100000	903 SUPPORTS, 3 LB STEEL U- CHANNEL	1120	L.F.
4057000000	SP OVERHEAD FOOTING	30	C.Y.
4072000000	SP SUPPORTS, OVERHEAD SIGN STRUCTURE A	1	L.S.
4082100000	SP SUPPORTS, OVERHEAD SIGN STRUCTURE B	1	L.S.
4102000000	904 SIGN ERECTION, TYPE E	69	EA.
4108000000	904 SIGN ERECTION, TYPE F	11	EA.
4110000000	904 SIGN ERECTION, TYPE A (GROUND MOUNTED)	6	EA.
4110000000	904 SIGN ERECTION, TYPE B (GROUND MOUNTED)	2	EA.
4116100000	904 SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)	6	EA.
4116100000	904 SIGN ERECTION, RELOCATE SIGN TYPE B (GROUND MOUNTED)	2	EA.
4138000000	907 DISPOSAL OF SUPPORT, STEEL BEAM	8	EA.
4152000000	907 DISPOSAL OF SIGNS SYSTEM, STEEL BEAM	2	EA.
4155000000	907 DISPOSAL OF SIGN SYSTEM, WOOD	7	EA.
4192000000	907 DISPOSAL OF SIGN SYSTEM, U-CHANNEL	52	EA.

General Notes:

- . SIGNS FURNISHED BY STATE
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRAFFIC CONTROL PLANS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE GRADE C REFLECTIVE SHEETING. SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.

Pay Item Notes:

- | | |
|---|---|
| 1 | DISPOSAL OF SIGN SYSTEM, WOOD |
| 2 | DISPOSAL OF SYSTEM STEEL BEAM |
| 3 | DISPOSAL OF SIGN SYSTEM U-CHANNEL |
| 4 | DISPOSAL OF SUPPORT, U-CHANNEL |
| 5 | SIGN ERECTION, RELOCATE SIGN TYPE A |
| 6 | DISPOSAL OF OF SIGN SUPPORT, STEEL BEAM |
| 7 | SIGN ERECTION, RELOCATE SIGN TYPE B |

Project Notes:

- | | |
|---|--|
| A | REPLACE PROPOSED SIGNS IN EXISTING LOCATION PLUS OR MINUS 25 FT. |
|---|--|

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	SIGNING PLAN COVER SHEET
SIGN-2A	TYPE A GROUND MOUNTED SIGN
SIGN-2B	SIGN MOUNTING DETAILS
SIGN-2C-2E	GROUND MOUNTED SIGN SUPPORT
SIGN-2F-2G	OVERHEAD SIGN ASS'Y
SIGN-3A-3C	SIGN DESIGNS
SIGN-3D-3E	E & F SHEETS
SIGN-4-11	SIGN ROADWAY SHEETS

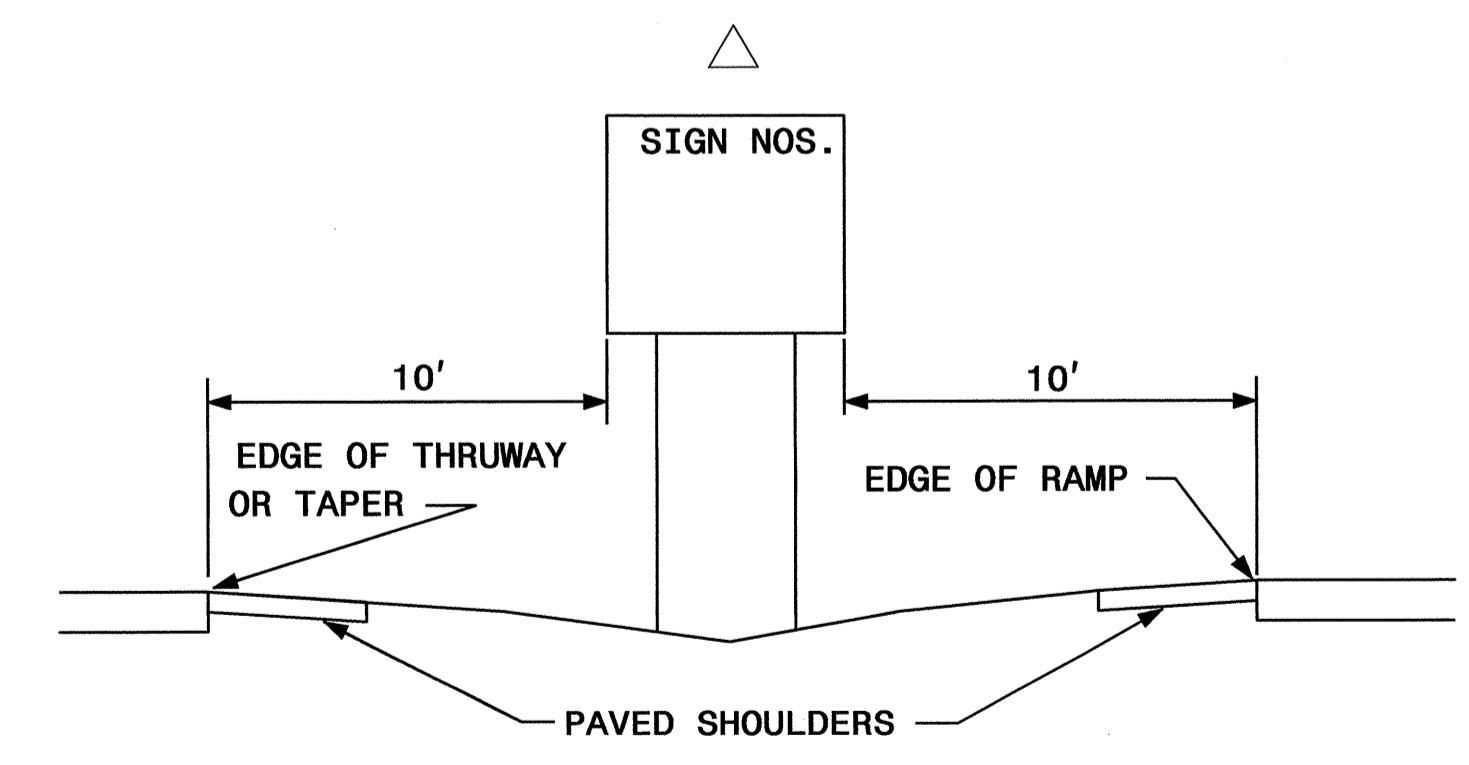
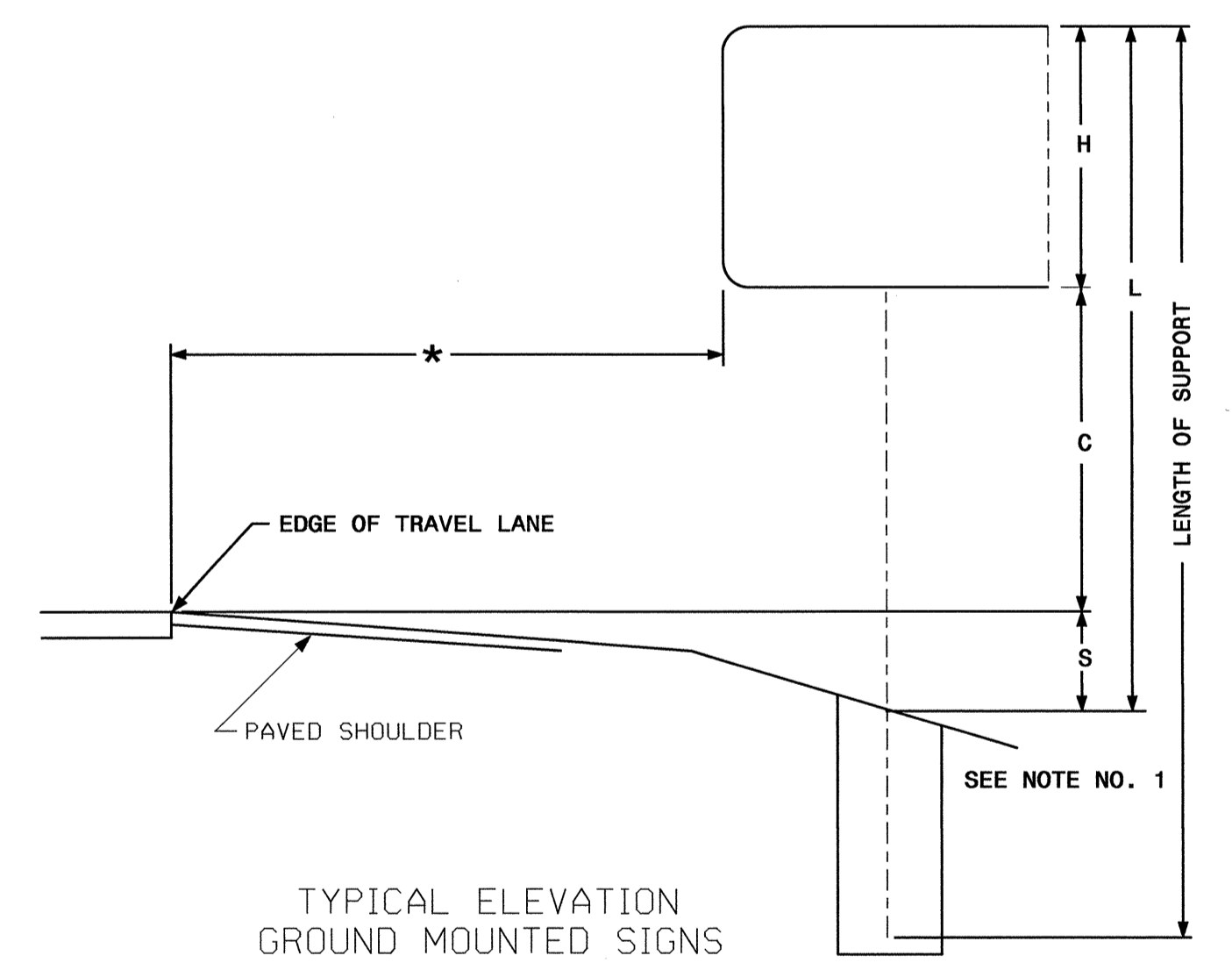
PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION SECTION

AYMAN I. ALQUDWAH P.E. SIGNING & DELINEATION REGIONAL ENGINEER
 BARRY NOWLIN SIGNING & DELINEATION PROJECT DESIGN TECHNICIAN

TIP NO. U-4019	SHEET NO. SIGN-2A
APPROVED: <i>[Signature]</i>	
DATE: 4-5-11	
SEAL	

SIGN NO.	SIGN TYPE	SIGN SIZE (in.)		ROADWAY STATION	NO. OF SUP.	BEAM SECTION	FIELD SUPPORT TYPE BA or S	FIELD ATTACH METHOD	FIELD MOUNTING METHOD	FIELD HORIZ. CLR. (ft.)	FIELD SNS HT H	FIELD MTG HT C	FIELD EMBED. MENT	FIELD S	FIELD L	FIELD TOTAL LENGTH	FIELD S	FIELD L	FIELD TOTAL LENGTH	FIELD S	FIELD L	FIELD TOTAL LENGTH	FIELD FOOTING DIAMETE (ft.)	FIELD FOOTING DEPTH (ft.)	FIELD SUPPORT WEIGHTS (lbs.)	FIELD SUPPORT WEIGHTS (lbs.)	FIELD REINF. FTGS. (c.y.)	FIELD PLAIN FTGS. (c.y.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x																										
101A	A	156	X 48		2	W 6x16	BA	N/A	2	18.00	8.00	7.00	5	0.50	15.50	20.50	0.00	0.00	0.00	0.50	15.50	20.50	1.5	5.5	788.38	0.00	0.72	0.00	
101B	A	156	X 48		2	W 6x16	BA	N/A	2	18.00	8.00	7.00	5	0.50	15.50	20.50	0.00	0.00	0.00	0.50	15.50	20.50	1.5	5.5	788.38	0.00	0.72	0.00	
102	B	138	X 30	12+31 RAMPC	2	S 3x5.7	BA	N/A	N/A	18.00	2.50	7.00	3.5	0.50	10.00	13.50	0.00	0.00	0.00	0.50	10.00	13.50	1	4	189.43	0.00	0.00	0.23	
103	B	138	X 30	13+04 LOOPA	2	S 3x5.7	BA	N/A	N/A	18.00	2.50	7.00	3.5	0.50	10.00	13.50	0.00	0.00	0.00	0.50	10.00	13.50	1	4	189.43	0.00	0.00	0.23	
901	A	90	X 72	8+99PC	2	S 3x5.7	BA	N/A	N/A	12.00	6.00	7.00	3.5	0.50	13.50	17.00	0.00	0.00	0.00	0.50	13.50	17.00	1	4	229.33	0.00	0.00	0.23	
902	A	90	X 72	10+12PC	2	S 3x5.7	BA	N/A	N/A	30.00	6.00	7.00	3.5	0.50	13.50	17.00	0.00	0.00	0.00	0.50	13.50	17.00	1	4	229.33	0.00	0.00	0.23	
903	A	90	X 72	10+98PC	2	S 3x5.7	BA	N/A	N/A	12.00	6.00	7.00	3.5	0.50	13.50	17.00	0.00	0.00	0.00	0.50	13.50	17.00	1	4	229.33	0.00	0.00	0.23	
904	A	90	X 72		2	S 3x5.7	BA	N/A	N/A	12.00	6.00	7.00	3.5	0.50	13.50	17.00	0.00	0.00	0.00	0.50	13.50	17.00	1	4	229.33	0.00	0.00	0.23	
905	A	90	X 72		2	S 3x5.7	BA	N/A	N/A	12.00	6.00	7.00	3.5	0.50	13.50	17.00	0.00	0.00	0.00	0.50	13.50	17.00	1	4	229.33	0.00	0.00	0.23	
906	A	90	X 72		2	S 3x5.7	BA	N/A	N/A	12.00	6.00	7.00	3.5	0.50	13.50	17.00	0.00	0.00	0.00	0.50	13.50	17.00	1	4	229.33	0.00	0.00	0.23	
907	B	90	X 48	13+04 LOOPA	2	S 3x5.7	BA	N/A	N/A	12.00	4.00	7.00	3.5	0.50	11.50	15.00	0.00	0.00	0.00	0.50	11.50	15.00	1	4	206.53	0.00	0.00	0.23	
908	B	90	X 48	12+31 RAMPC	2	S 3x5.7	BA	N/A	N/A	12.00	4.00	7.00	3.5	0.50	11.50	15.00	0.00	0.00	0.00	0.50	11.50	15.00	1	4	206.53	0.00	0.00	0.23	

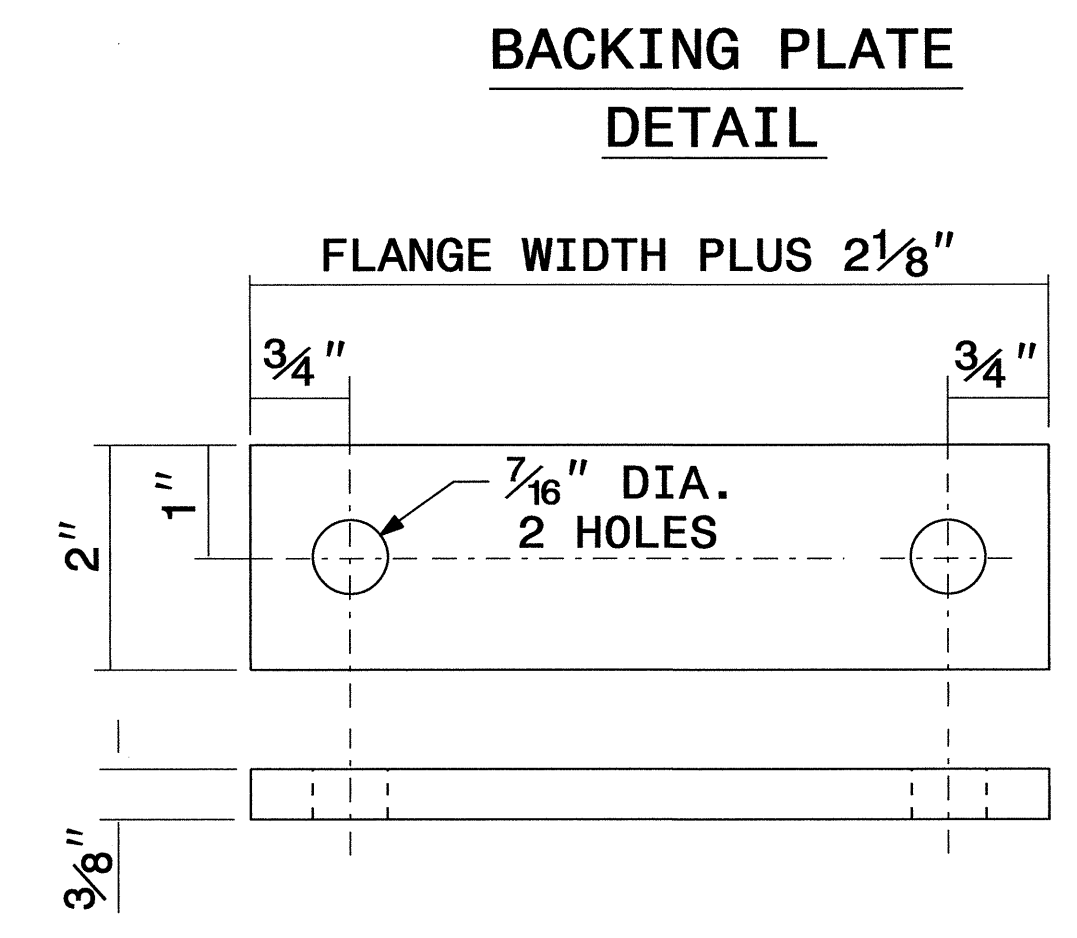
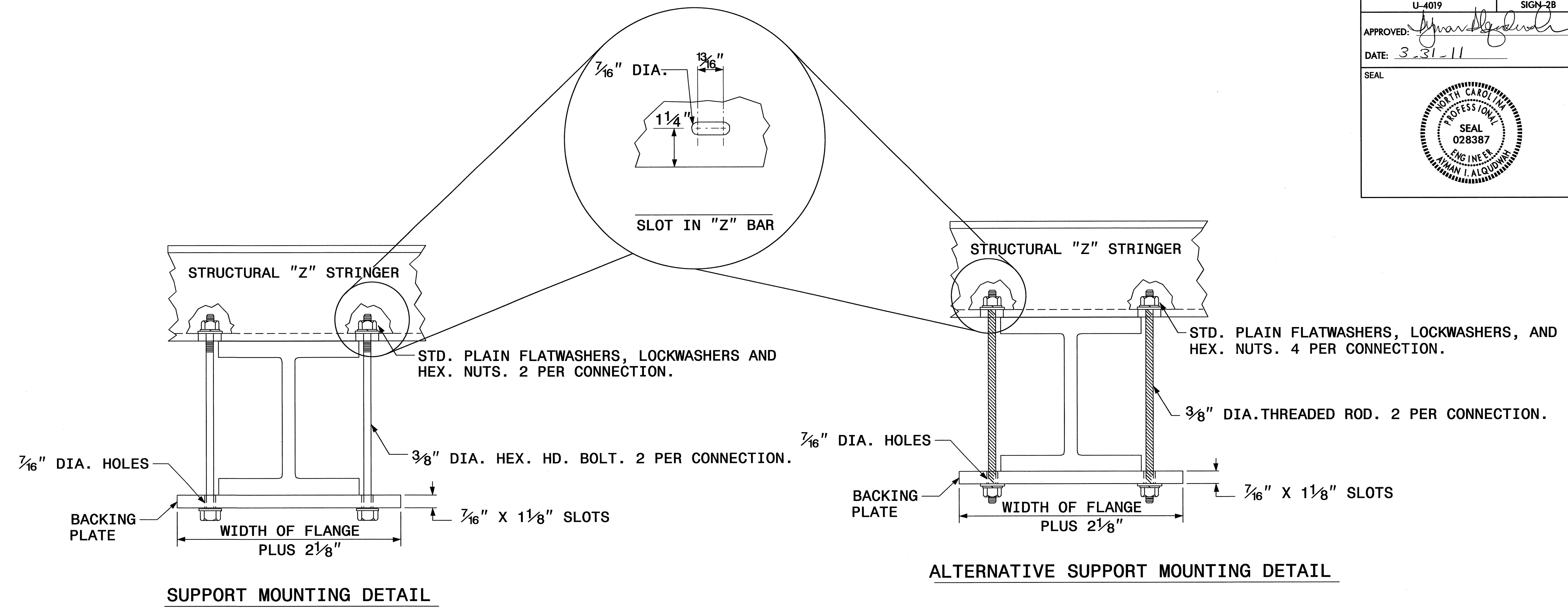
TOTAL	2956.31	TOTAL	0.00	TOTAL	0.72	TOTAL	2.33
USE:	2957		0		1		3



- 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.

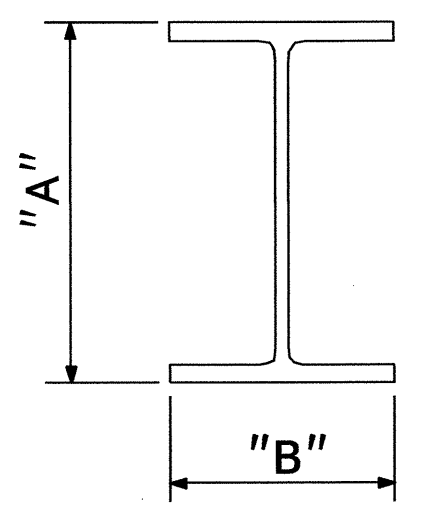
**TYPE "A"
GROUND MOUNTED SIGNS**

3:\MAR-2011\430 R:\Traffic Signs\CADD\Quantities & GM Signs\U-4019\eed.dgn



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.

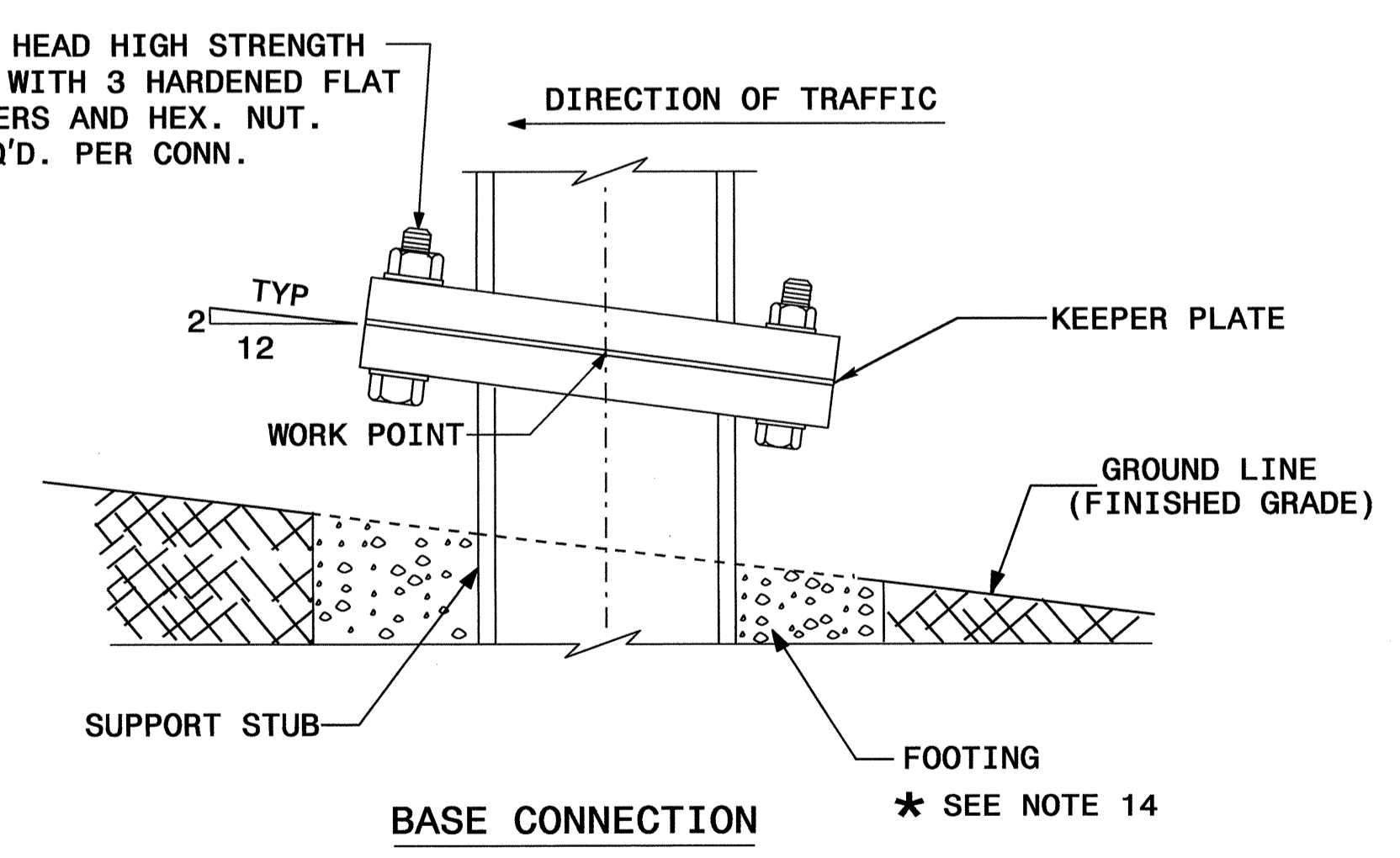
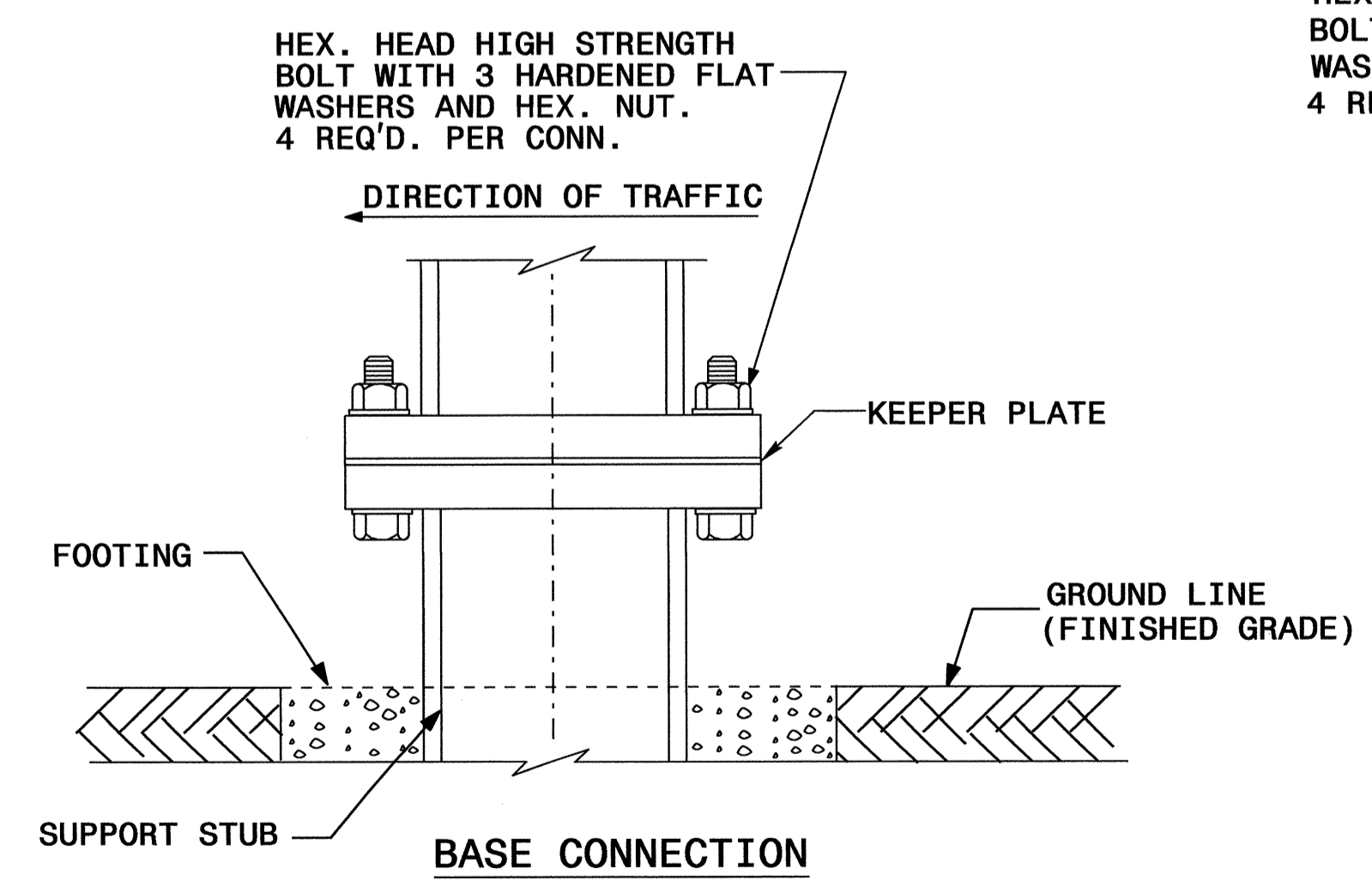
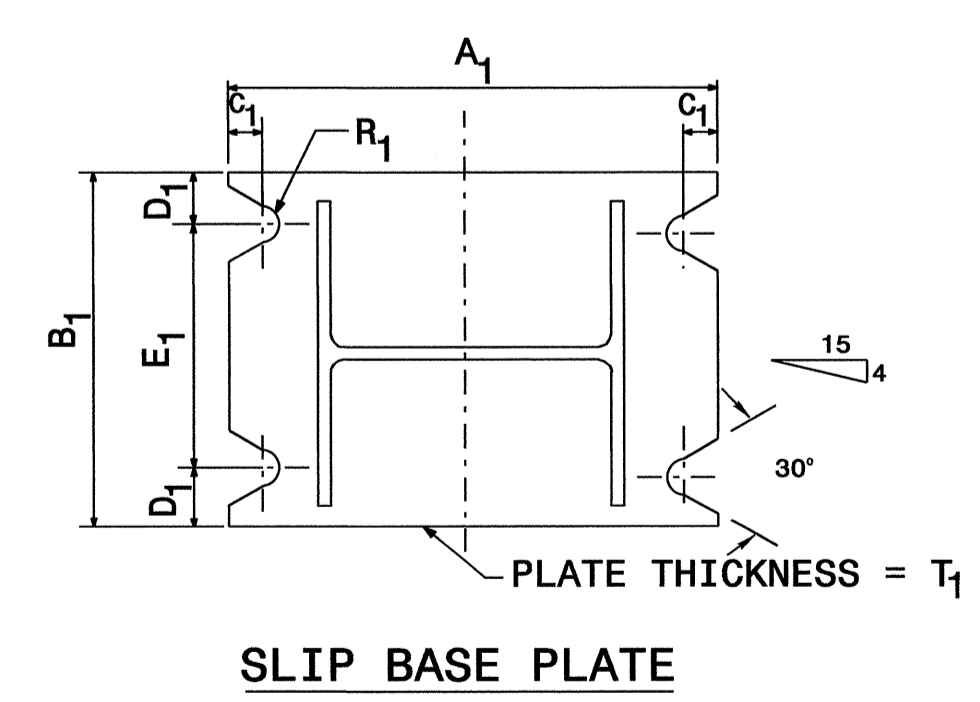
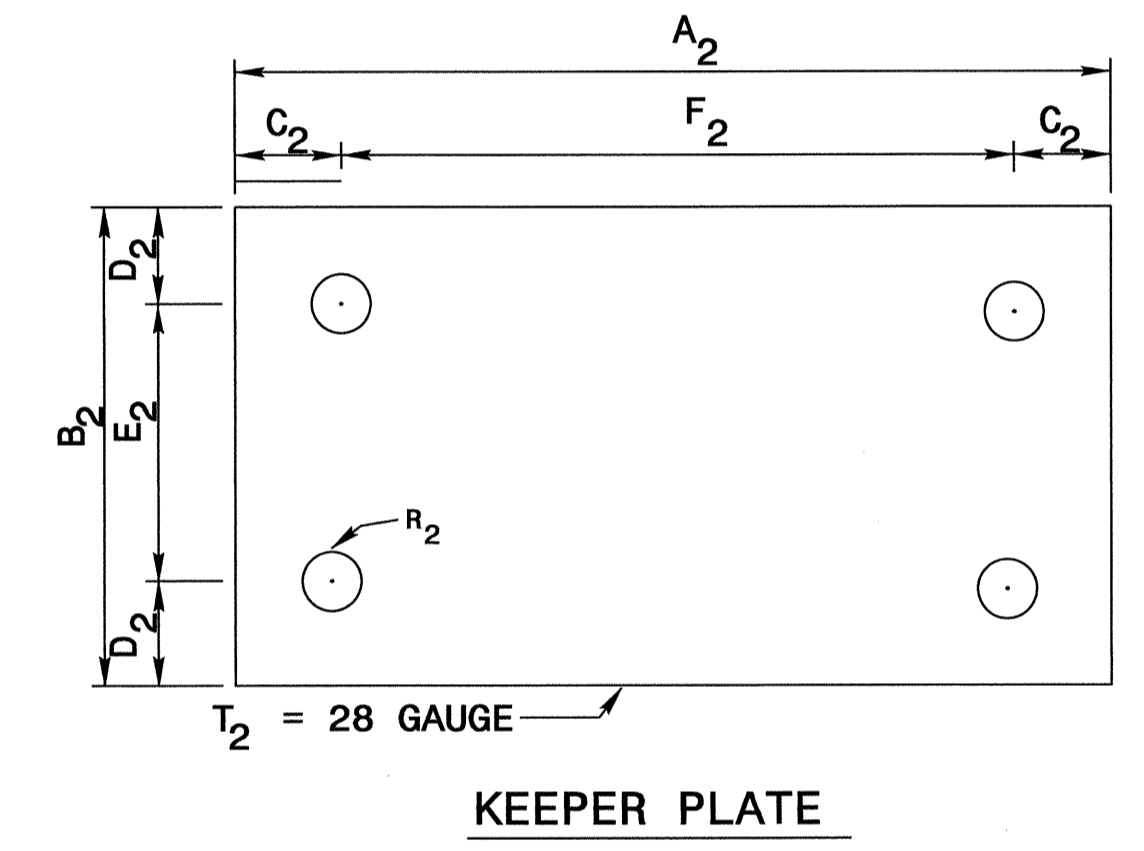
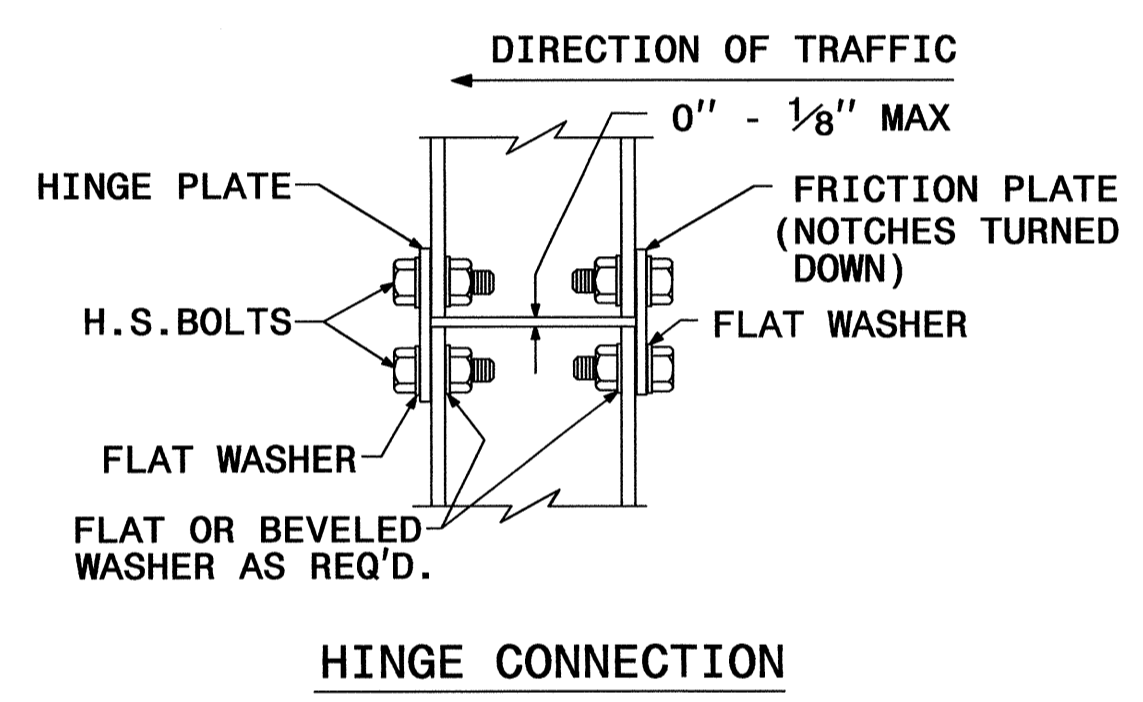
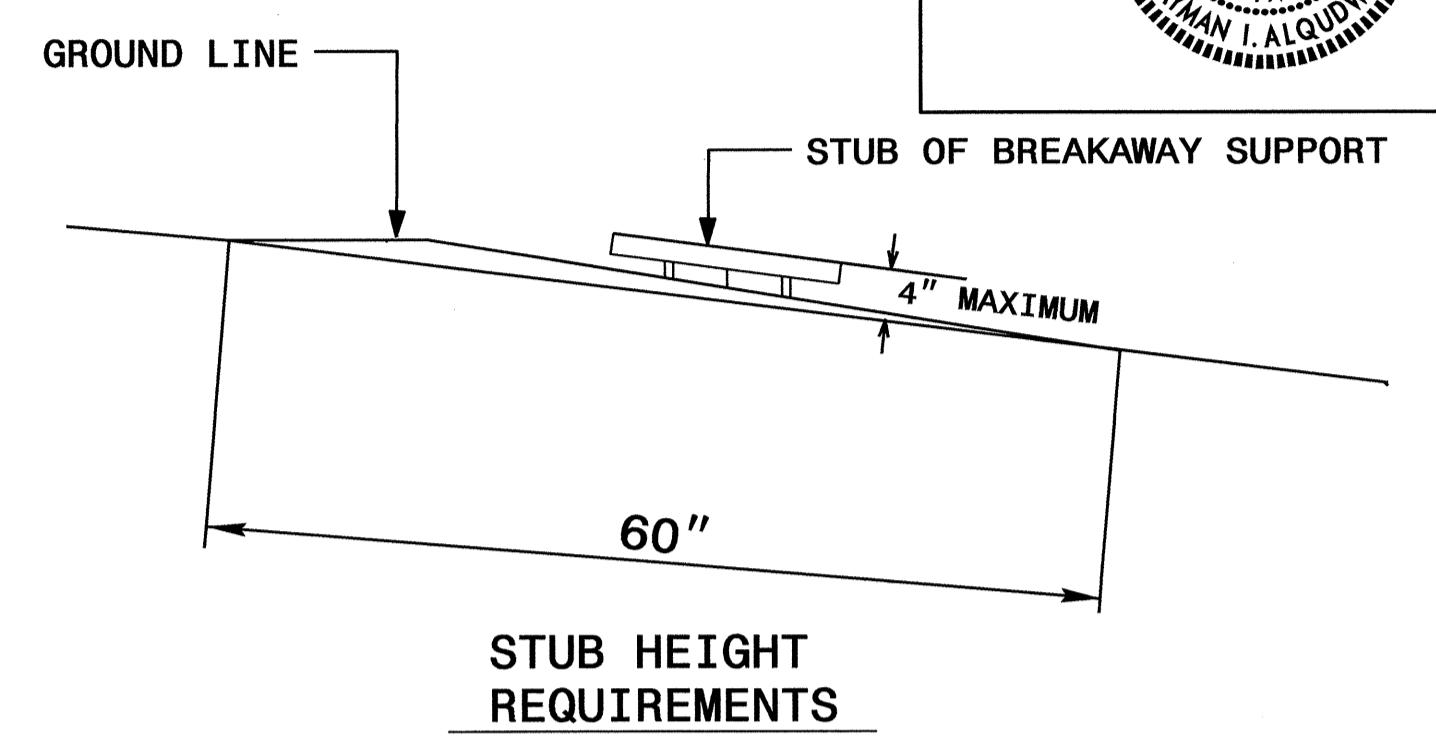
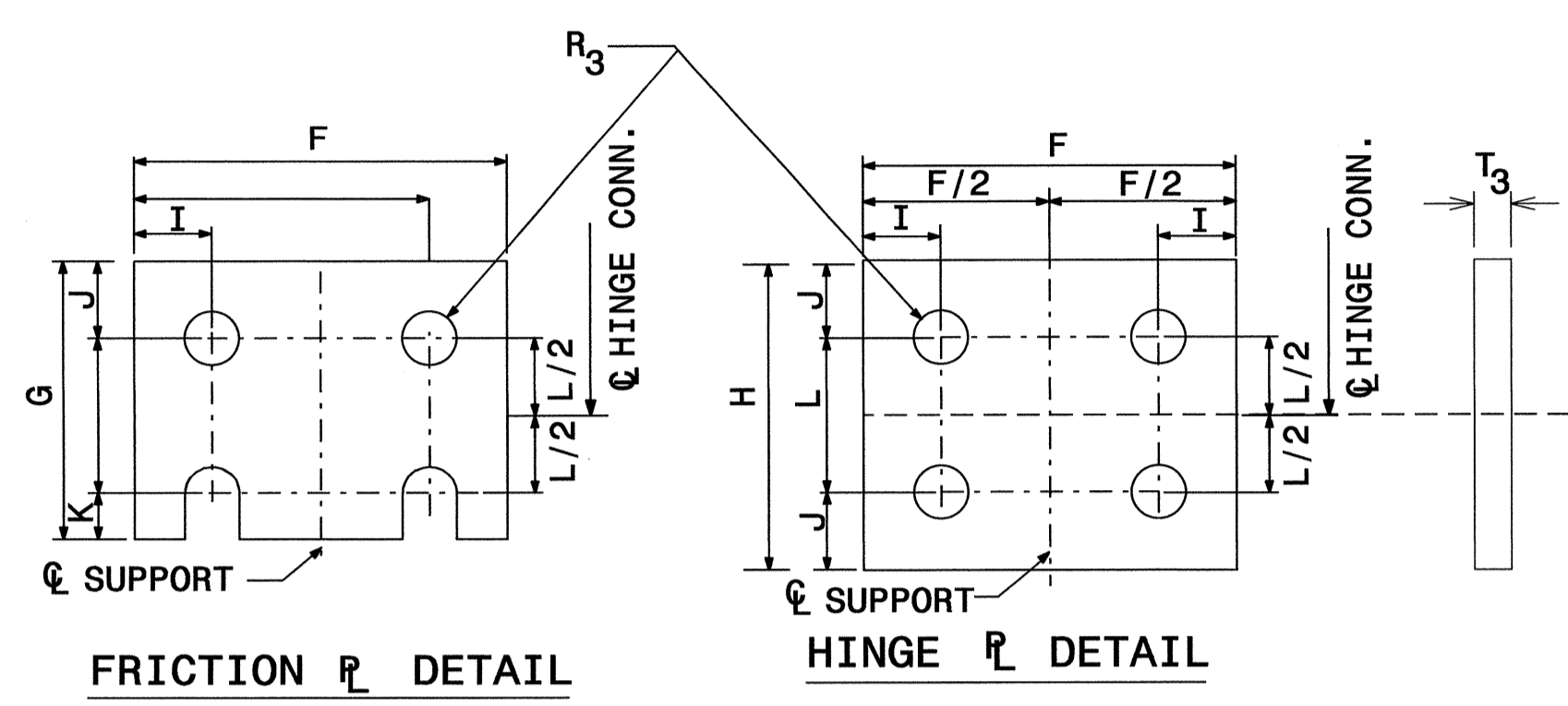
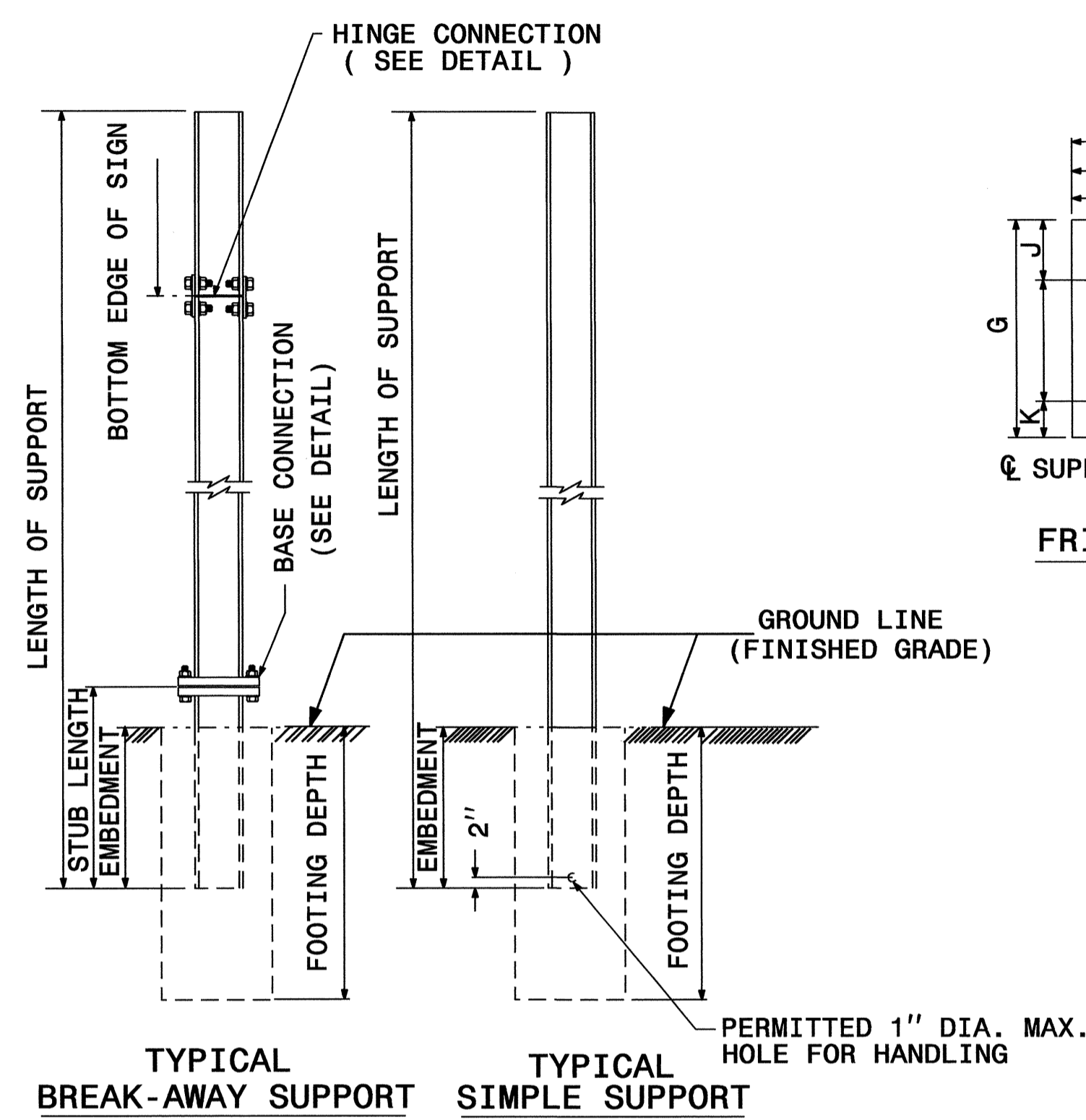
SIGN SUPPORTS SECTION DIMENSIONS



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

3-MAR-2011 05:04
 I:\Projects\2011\0504\Quantities & CM Signs\U-4019\eesd.dgn
 browmian

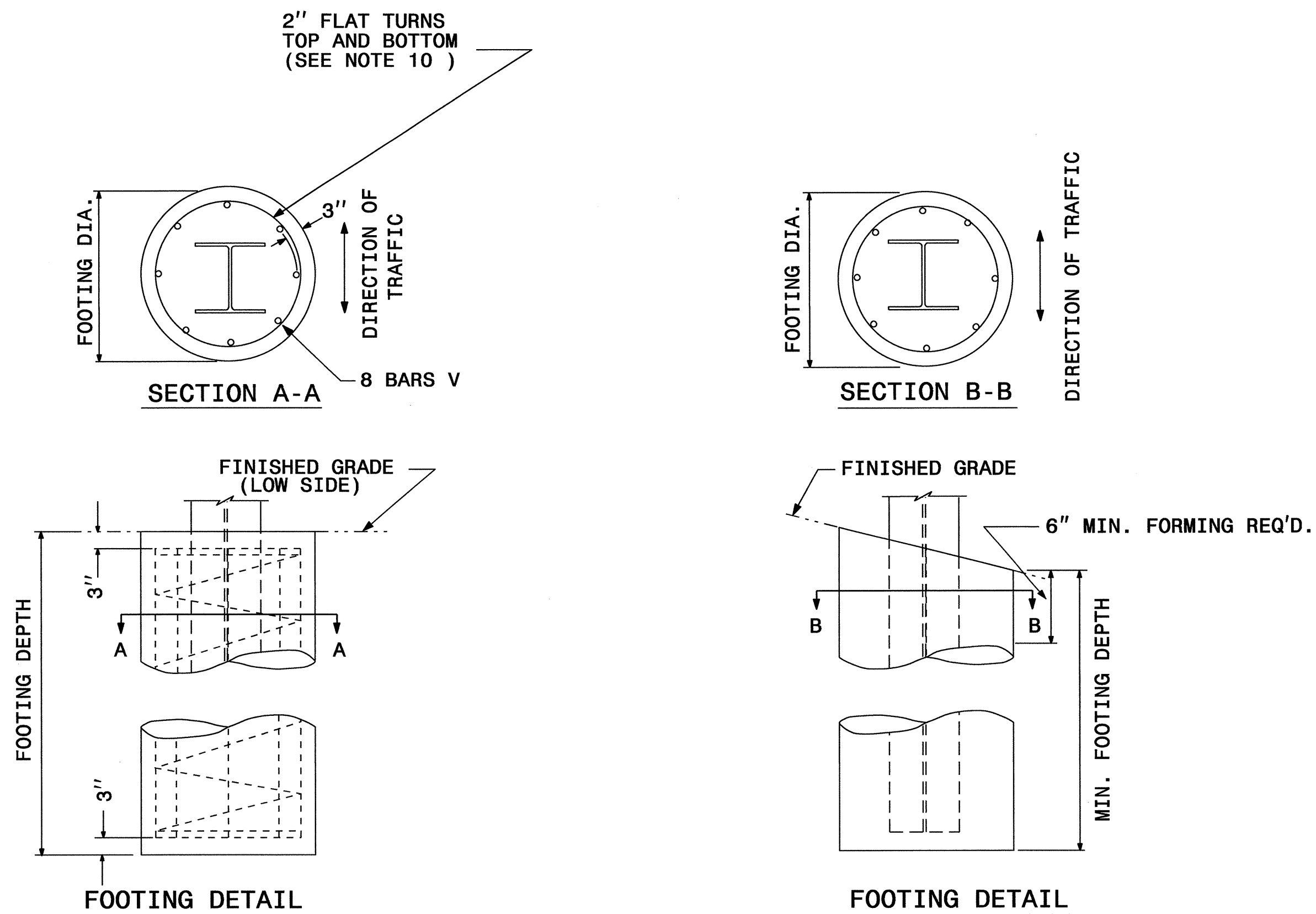


SEE SHEET SIGN-2D FOR DIMENSIONS.
SEE SHEET SIGN-2E FOR NOTES.

GROUND MOUNTED SIGN SUPPORT

3-MAR-2011 09:21
 I:\Projects\2011\Signs\U-4019\2D.dgn
 Iwan I. Aloudin

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. 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"	9/32"	8"	4"	1"	3/4"	2 1/2"	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"	9/32"	10"	5"	1"	3/4"	3 1/2"	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"	1 1/32"	11"	5"	1 1/4"	7/8"	3 1/4"	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"	39
W6X16	5/8"DIA. X 3 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. X 2 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. 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"	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. X 2 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. 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"	1 3/32"	16 1/2"	8"	1 1/2"	1"	6"	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"	140
W12X26	3/4"DIA. X 4 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. X 2 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. X 3"	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. X 3 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. X 3 1/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	243
W18X40	1"DIA. X 5 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. X 3 3/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	278
W21X44	1"DIA. X 5 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. X 3 3/4"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	310




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

GROUND MOUNTED SIGN SUPPORT

3-MAR-2011 10:14 AM R:\Traffic\Signs\ADD\Quantities & GM Signs\U-4019e.dgn browlin

TIP NO. U-4019	SHEET NO. SIGN-2E
APPROVED: <i>[Signature]</i>	
DATE: 3-31-11	
SEAL	
	

NOTES:

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

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

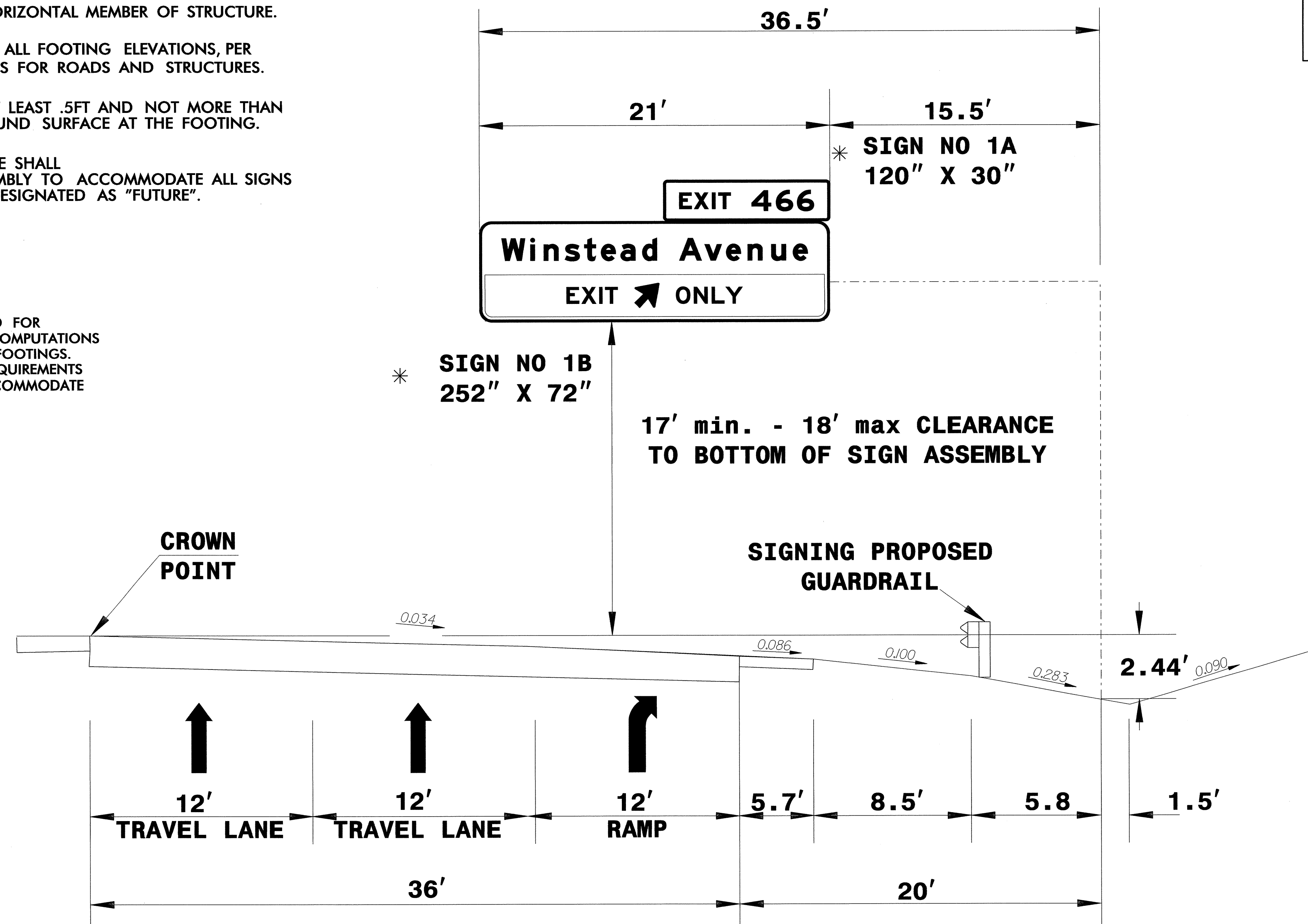
31-MAR-2011 10:15
R:\Traffic\Signs\ADD\Quantities & DM Signs\U-4019eed.dgn
browlin

GROUND MOUNTED SIGN SUPPORT

NOTES:

1. IF THE CONTRACTOR BIDS ALUMIMUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
3. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
4. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST .5FT AND NOT MORE THAN 2FT ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
5. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THE PLANS, INCLUDING THOSE DESIGNATED AS "FUTURE".


* THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 100 MPH.



OVERHEAD SIGN ASS'Y 'B' @
249.9' EAST OF PROP. BRIDGE

31-MAR-2011 08:54
C:\Users\man\Documents\CAD\CAD\Overhead\Gudesign*.rec.dgn

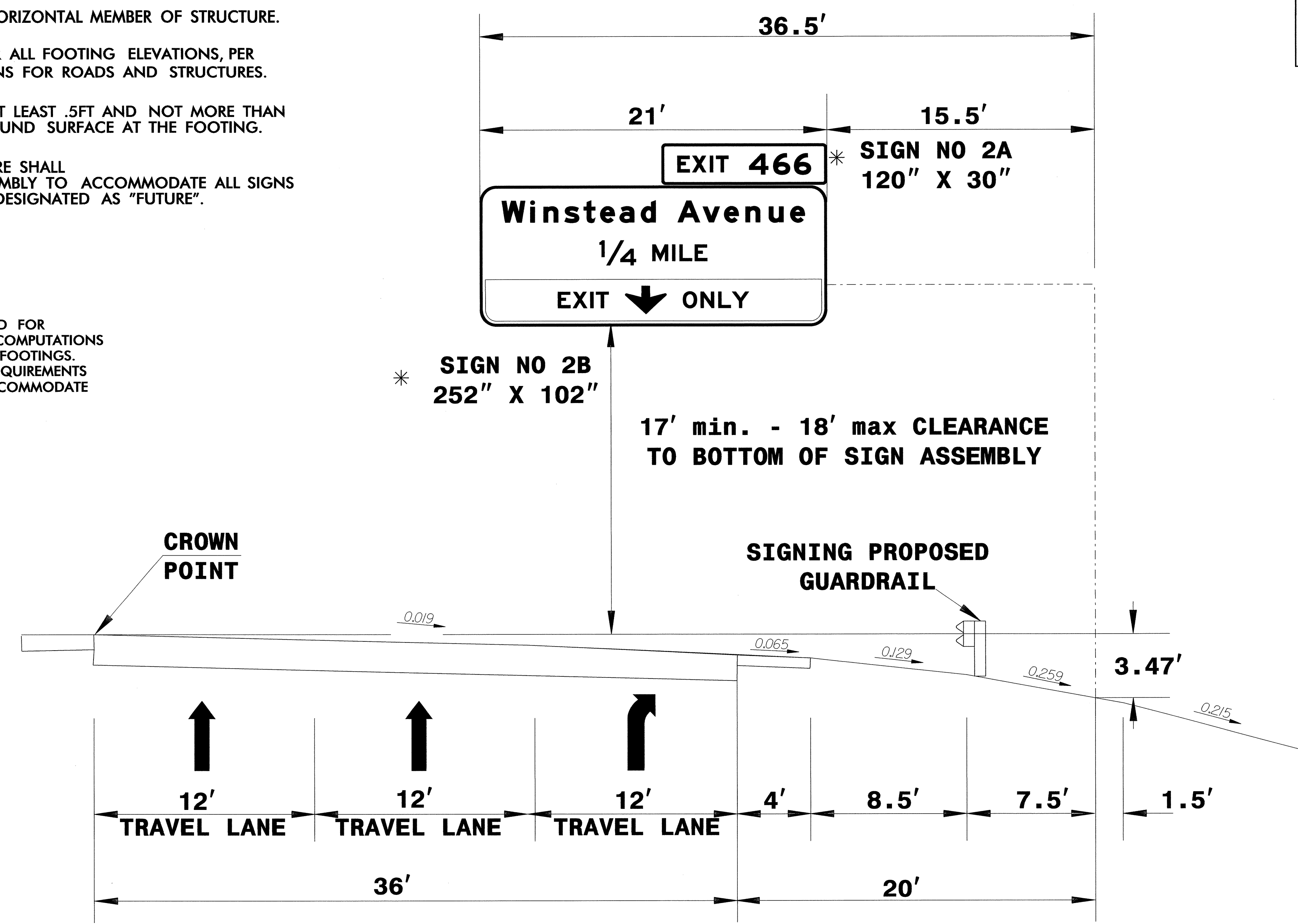
TIP NO. U-4019	SHEET NO. SIGN-2G
APPROVED: <i>[Signature]</i>	
DATE: 3-31-11	
SEAL	



NOTES:

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE
- 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 .5FT AND NOT MORE THAN 2FT ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THE PLANS, INCLUDING THOSE DESIGNATED AS "FUTURE".

* THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 100 MPH.



OVERHEAD SIGN ASS'Y 'A' @
130.2' EAST OF MILE POST 466

31-MAR-2011 09:54
Project: 130.2' EAST OF MILE POST 466
31-MAR-2011 09:54
Project: 130.2' EAST OF MILE POST 466

TIP NO. U-4019	SHEET NO. SIGN-3A
APPROVED: <i>[Signature]</i>	
DATE: 4-5-11	
SEAL	

SIGN NUMBER: 101A BACKG COLOR: Blue
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
ARUP	132.8	17.5	8	12

SIGN WIDTH: 13'-0"
 HEIGHT: 4'-0"
 TOTAL AREA: 52.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 6"

NO. Z BARS: 2
 LENGTH: 148.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: B. Nowlin CHECKED BY: M. Eaton DATE: Feb 17, 2011
 PROJECT ID: U-4019 DIV: 04

BORDER R=6" TH=1.5"

NOTE: MOUNT SIGN BACK TO BACK WITH SIGN 101B

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Letter	Series/Size	Text Length
H O S P I T A L E N T R A N C E	E 2000	127.6
E M E R G E N C Y V E H I C L E S	E 2000	103.6
A N D V I S I T O R S	E 2000	63.7

FILENAME: U-4019 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 301/303 BACKG COLOR: Blue
 TYPE: D COPY COLOR: White
 QUANTITY: 2

SYMBOL	X	Y	WID	HT
ARUP	9.6	10.2	6	9

SIGN WIDTH: 7'-0"
 HEIGHT: 3'-0"
 TOTAL AREA: 21.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 6"

NO. Z BARS: 2
 LENGTH: 148.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: B. Nowlin CHECKED BY: M. Eaton DATE: Feb 17, 2011
 PROJECT ID: U-4019 DIV: 04

BORDER R=6" TH=0.75"

NOTE: MOUNT SIGN BACK TO BACK WITH SIGN 101B

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Letter	Series/Size	Text Length
T O U R I S T I N F O	EM 2000	63.2
C E N T E R	EM 2000	33.9

FILENAME: U-4019 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 101B BACKG COLOR: Blue
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
ARUP	132.8	17.5	8	12

SIGN WIDTH: 13'-0"
 HEIGHT: 4'-0"
 TOTAL AREA: 52.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 6"

NO. Z BARS: 2
 LENGTH: 148.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: B. Nowlin CHECKED BY: M. Eaton DATE: Feb 17, 2011
 PROJECT ID: U-4019 DIV: 04

BORDER R=6" TH=1.5"

NOTE: MOUNT SIGN BACK TO BACK WITH SIGN 101A

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Letter	Series/Size	Text Length
H O S P I T A L E N T R A N C E	E 2000	127.6
E M E R G E N C Y V E H I C L E S	E 2000	103.6
A N D V I S I T O R S	E 2000	63.7

FILENAME: U-4019 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 102,103 BACKG COLOR: Blue
 TYPE: B COPY COLOR: White
 QUANTITY: 2

SYMBOL	X	Y	WID	HT
ARUP	116.3	13	8	12

SIGN WIDTH: 11'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 28.8 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.25"
 RADII: 4"

NO. Z BARS: 2
 LENGTH: 130.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: B. Nowlin CHECKED BY: M. Eaton DATE: Mar 03, 2011
 PROJECT ID: U-4019 DIV: 04

BORDER R=4" TH=1.25"

NOTE: MOUNT SIGN BACK TO BACK WITH SIGN 101A

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner


Letter	Series/Size	Text Length
H O S P I T A L	E 2000	43
T O U R I S T I N F O C E N T E R	E 2000	101.9

FILENAME: U-4019 NORTH CAROLINA D.O.T. SIGN DETAIL

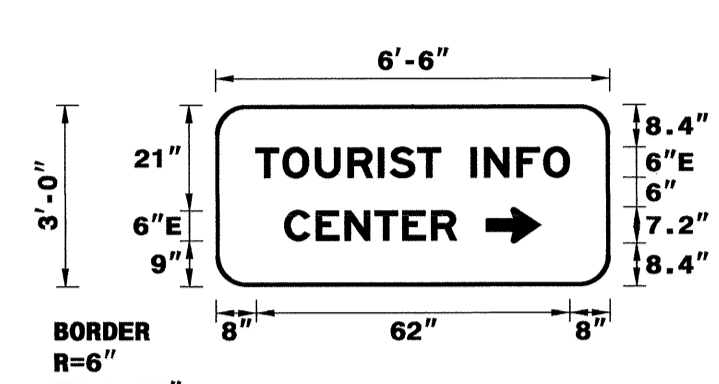
SIGN DESIGN

05_APR_2011 09:02 bnowlin At 11:27:51 CAD:\090310\F1cs\Sign Designs\U-4019.dgn

TIP NO. U-4019	SHEET NO. SIGN-38
APPROVED: <i>[Signature]</i>	
DATE: 4-5-11	
SEAL	



SIGN NUMBER: 302 TYPE: D QUANTITY: 1 SIGN WIDTH: 7'-0" HEIGHT: 3'-0" TOTAL AREA: 21.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 6" NO. Z BARS: 1 LENGTH:	BACKG COLOR: Blue COPY COLOR: White <table border="1" style="font-size: 8px;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>ARUP</td> <td>64.8</td> <td>9.8</td> <td>6</td> <td>9</td> </tr> </table>	SYMBOL	X	Y	WID	HT	ARUP	64.8	9.8	6	9	DESIGN BY: B. Nowlin PROJECT ID:	CHECKED BY: M. Eaton DIV: 04	DATE: Mar 03, 2011
SYMBOL	X	Y	WID	HT										
ARUP	64.8	9.8	6	9										

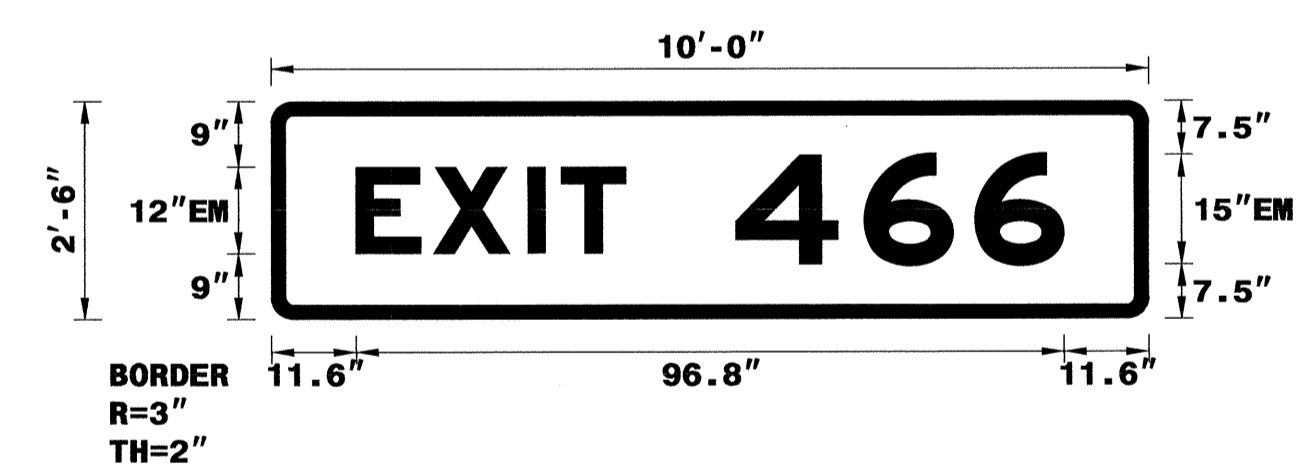


Spacing Factor is 1 unless specified otherwise

Letter locations are panel edge to lower left corner												Series/Size
T	O	U	R	I	S	T	I	N	F	O		Text Length
10.2	15.5	22	28.5	34.6	37.3	43.1	47.5	53.5	56.4	63	68.4	EM 2000
												63.2
												EM 2000
												33.9

FILENAME: U-4019 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 1A,2A TYPE: B QUANTITY: 2 SIGN WIDTH: 10'-0" HEIGHT: 2'-6" TOTAL AREA: 25.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 3" NO. Z BARS: 2 LENGTH: 112.0	BACKG COLOR: Green COPY COLOR: White <table border="1" style="font-size: 8px;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </table>	SYMBOL	X	Y	WID	HT	DESIGN BY: B. Nowlin PROJECT ID: U-4019	CHECKED BY: M. Eaton DIV: 04	DATE: Feb 23, 2011
SYMBOL	X	Y	WID	HT					



Spacing Factor is 1 unless specified otherwise


Letter spacings are to start of next letter												Series/Size
E	X	I	T	4	6	6						Text Length
11.6	10.6	13	4.6	8.9	15	17.6	15.1	12.2	11.6			EM 2000
												96.8

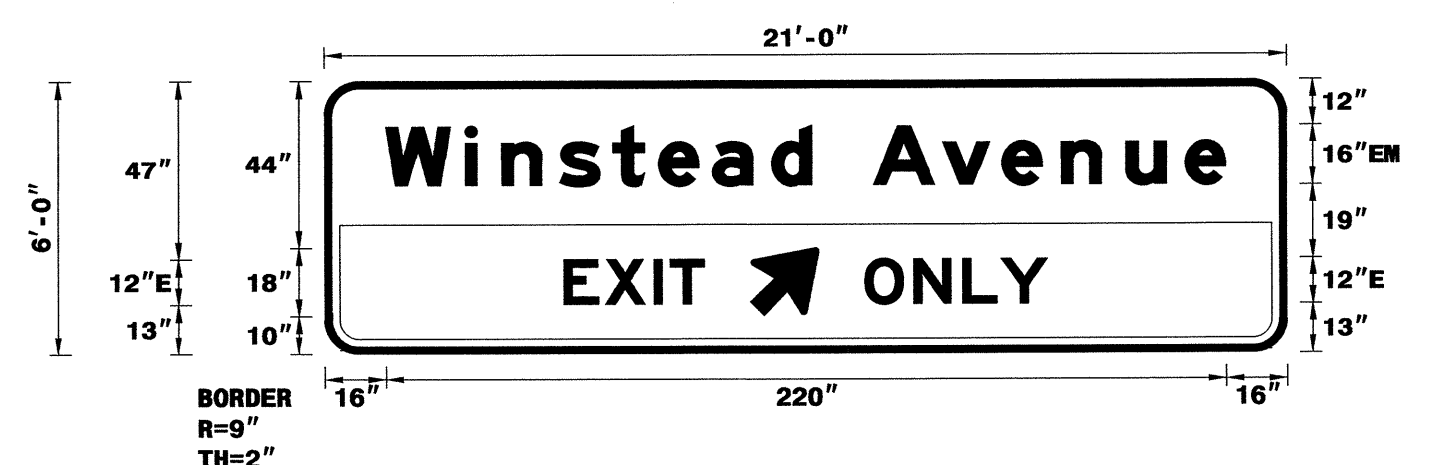
FILENAME: Winstead Ave_sign_designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGN

05-APR-2011 09:01 AM C:\Program Files\Autodesk\AutoCAD 2011\Projects\U-4019.dgn
B. Nowlin

TIP NO. U-4019	SHEET NO. SIGN-3C
APPROVED: <i>[Signature]</i>	
DATE: 4-5-11	
SEAL	



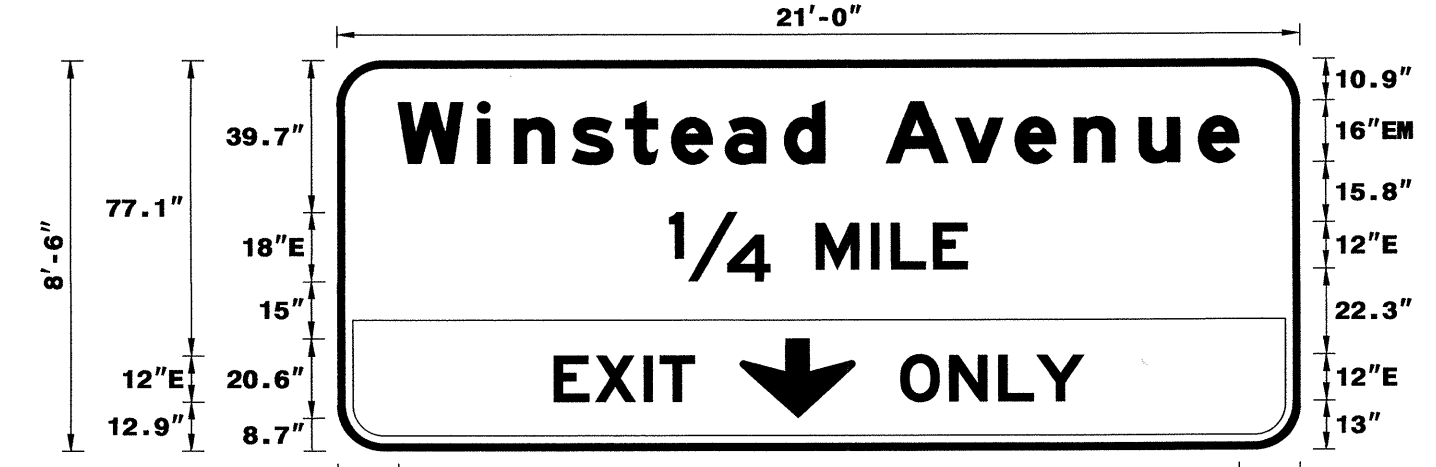
SIGN NUMBER: 1B TYPE: A QUANTITY: 1 SIGN WIDTH: 21'-0" HEIGHT: 6'-0" TOTAL AREA: 126.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 9" NO. Z BARS: 2 LENGTH: 244.0	BACKG COLOR: Green COPY COLOR: White <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr> <td>ARSHRT</td> <td>111.4</td> <td>10</td> <td>20</td> <td>22.5</td> </tr> </tbody> </table>	SYMBOL	X	Y	WID	HT	ARSHRT	111.4	10	20	22.5	DESIGN BY: B. Nowlin PROJECT ID: U-4019 CHECKED BY: M. Eaton DIV: 04 DATE: Feb 23, 2011	
SYMBOL	X	Y	WID	HT									
ARSHRT	111.4	10	20	22.5									

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

Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter															Series/Size		
	W	i	n	s	t	e	a	d	A	v	e	n	u	e	Text Length		
	16	20.8	9.6	15.2	13.9	12	14.1	15.5	10.6	16	18.2	15.5	17	15.5	10.6	16	EM 2000
																	220
																	E 2000
																	36.7
																	E 2000
																	47.9

FILENAME: Winstead Ave_sign_designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2B TYPE: A QUANTITY: 1 SIGN WIDTH: 21'-0" HEIGHT: 8'-6" TOTAL AREA: 178.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 3 LENGTH: 244.0	BACKG COLOR: Green COPY COLOR: White <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr> <td>ARDOWN</td> <td>105.4</td> <td>6.6</td> <td>30</td> <td>20.6</td> </tr> </tbody> </table>	SYMBOL	X	Y	WID	HT	ARDOWN	105.4	6.6	30	20.6	DESIGN BY: B. Nowlin PROJECT ID: U-4019 CHECKED BY: M. Eaton DIV: 04 DATE: Feb 23, 2011	
SYMBOL	X	Y	WID	HT									
ARDOWN	105.4	6.6	30	20.6									

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

Spacing Factor is 1 unless specified otherwise


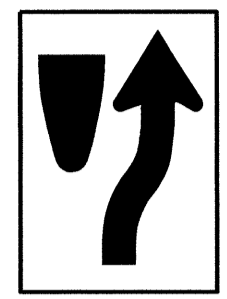


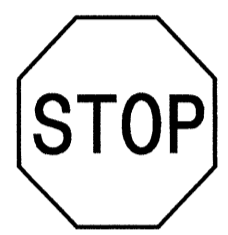
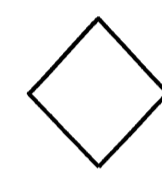

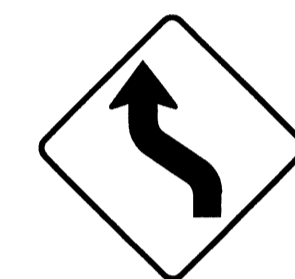
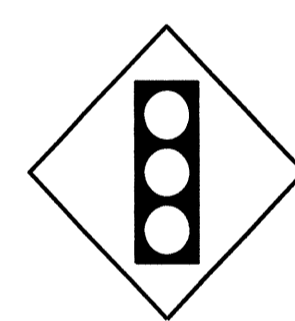
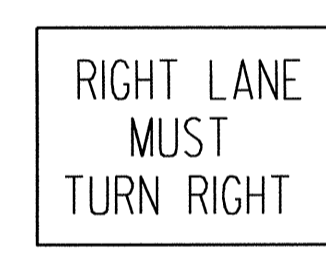



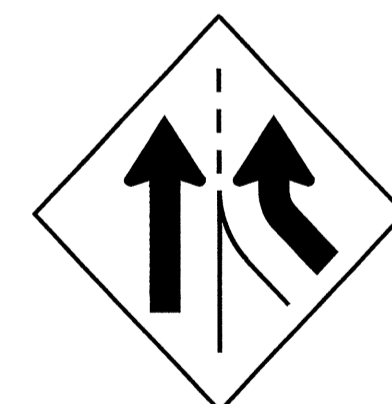


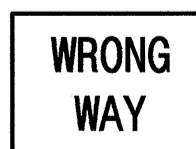
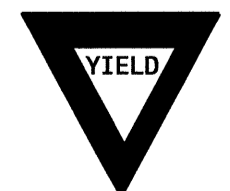


Letter spacings are to start of next letter															Series/Size		
	W	i	n	s	t	e	a	d	A	v	e	n	u	e	Text Length		
	16	20.8	9.6	15.2	13.9	12	14.1	15.5	10.6	16	18.2	15.5	17	15.5	10.6	16	EM 2000
																	220
																	E 2000
																	78.1
																	E 2000
																	36.7
																	E 2000
																	47.9

FILENAME: Winstead Ave_sign_designs NORTH CAROLINA D.O.T. SIGN DETAIL

3-MAR-2011 15:51
 C:\Traffic\Sign Designs\Winstead Ave_sign_designs.dgn
 Nowlin

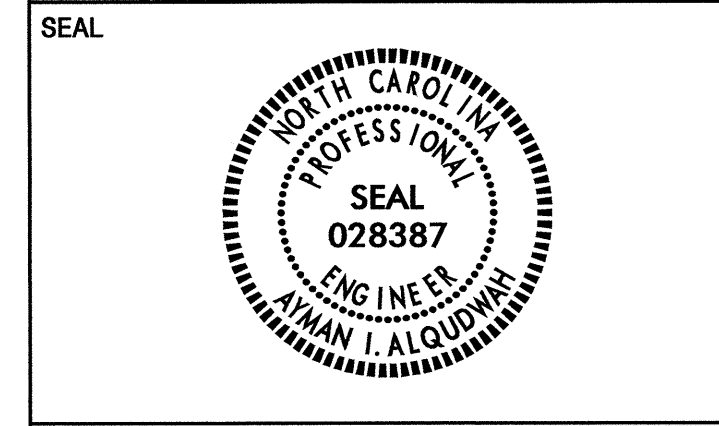
SIGN DESIGN



<p>401 QUANTITY REQ'D <u> 7 </u></p>  <p>30 X 36 R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>406 QUANTITY REQ'D <u> 1 </u></p>  <p>24 X 30 R4-7</p> <p>ONE "U" POST PER SIGN</p>	<p>411 QUANTITY REQ'D <u> 13 </u></p>  <p>36 X 12 R6-1 (R)</p> <p>TWO "U" POSTS PER SIGN MOUNT ON TOP OF 402 IN 13 LOCATIONS</p>	<p>416 QUANTITY REQ'D <u> 0 </u></p>  <p>36" X 36" R3-1 (R)</p> <p>ONE "U" POST PER SIGN</p>		
<p>402 QUANTITY REQ'D <u> 16 </u></p>  <p>36 X 36 R1-1</p> <p>ONE "U" POST PER SIGN</p>	<p>407 QUANTITY REQ'D <u> 2 </u></p>  <p>18 X 18 W23-15</p> <p>MOUNT BELOW SIGN 406 IN 2 INSTALLATIONS</p>	<p>412 QUANTITY REQ'D <u> 6 </u></p>  <p>36 X 12 R6-1 (L)</p> <p>TWO "U" POSTS PER SIGN MOUNT ON TOP OF 402</p>	<p>417 QUANTITY REQ'D <u> 1 </u></p>  <p>36 X 36 W8-13</p> <p>ONE "U" POST PER SIGN</p>		
<p>403 QUANTITY REQ'D <u> 1 </u></p>  <p>30 X 30 W3-3</p> <p>ONE "U" POST PER SIGN</p>	<p>408 QUANTITY REQ'D <u> 2 </u></p>  <p>36 X 36 R3-7</p> <p>ONE "U" POST PER SIGN</p>	<p>413 QUANTITY REQ'D <u> 2 </u></p>  <p>36 X 36 W8-13</p> <p>ONE "U" POST PER SIGN</p>	<p>418 QUANTITY REQ'D <u> 1 </u></p>  <p>18 X 18 W13-1P</p> <p>ONE "U" POST PER SIGN MOUNTED BELOW SIGN 417</p>		
<p>404 QUANTITY REQ'D <u> 2 </u></p>  <p>36 X 36 R5-1</p> <p>BACK TO BACK WITH 409 IN ONE APPLICATION ONE "U" POST PER SIGN</p>	<p>409 QUANTITY REQ'D <u> 1 </u></p>  <p>48 X 48 W4-3(R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>414 QUANTITY REQ'D <u> 1 </u></p>  <p>36 X 36 W3-5</p> <p>ONE "U" POST PER SIGN</p>	<p>419 QUANTITY REQ'D <u> 2 </u></p>  <p>54 X 18 R6-1 (R)</p> <p>TWO "U" POSTS PER SIGN</p>		
<p>405 QUANTITY REQ'D <u> 2 </u></p>  <p>42 X 30 R5-1a</p> <p>ONE "U" POST PER SIGN</p>	<p>410 QUANTITY REQ'D <u> 0 </u></p>  <p>48 X 48 X 48 R1-2</p> <p>ONE "U" POST PER SIGN</p>	<p>415 QUANTITY REQ'D <u> 2 </u></p>  <p>30 X 36 R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>420 QUANTITY REQ'D <u> 4 </u></p>  <p>54 X 18 R6-1 (L)</p> <p>TWO "U" POSTS PER SIGN</p>		

TYPE "E" SIGNS

04-APR-2011 15:28
 R:\Traffic\Signs\CADD\Quantities & GM Signs\U-4019eed.dgn
 bnowlin AT 11/27/11



501 QUANTITY REQ'D 1

	24 X 12
	24 X 24
	21 X 15

ONE "U" POST PER SIGN

506 QUANTITY REQ'D 1

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

TWO "U" POSTS PER SIGN

511 QUANTITY REQ'D 1

	24 X 12
	24 X 24
	21 X 15

ONE "U" POST PER SIGN

502 QUANTITY REQ'D 1

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

TWO "U" POSTS PER SIGN

507 QUANTITY REQ'D 1

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

TWO "U" POSTS PER SIGN

503 QUANTITY REQ'D 1

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

TWO "U" POSTS PER SIGN

508 QUANTITY REQ'D 1

	24 X 12
	24 X 24
	21 X 15

ONE "U" POST PER SIGN

504 QUANTITY REQ'D 1

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

TWO "U" POSTS PER SIGN

509 QUANTITY REQ'D 1

	24 X 12
	24 X 24
	21 X 15

ONE "U" POST PER SIGN

505 QUANTITY REQ'D 0

	24 X 12
	24 X 24
	21 X 15

ONE "U" POST PER SIGN


510 QUANTITY REQ'D 1

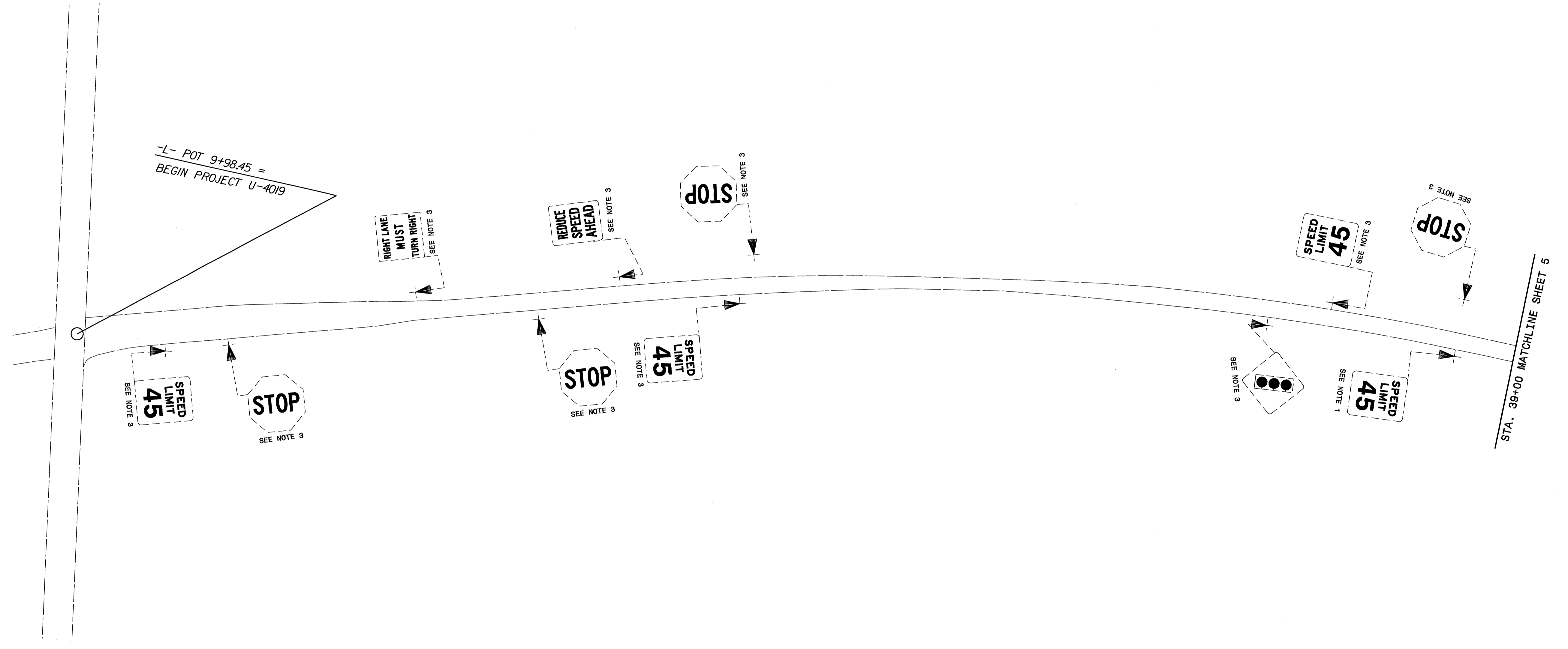
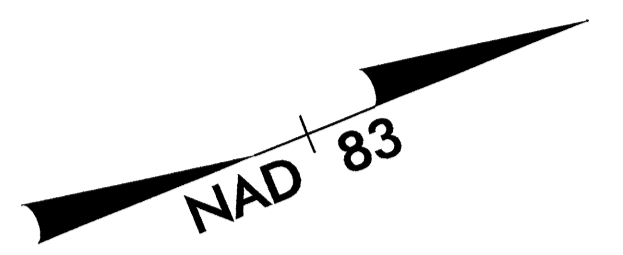
	24 X 12
	24 X 24
	21 X 15

ONE "U" POST PER SIGN

TYPE "F" SIGNS

07-APR-2011 07:54 R:\TIPF-Projects-U\4019-Traffic\Signing\CADD\Quantities & GM_Signs\U-4019eed.dgn

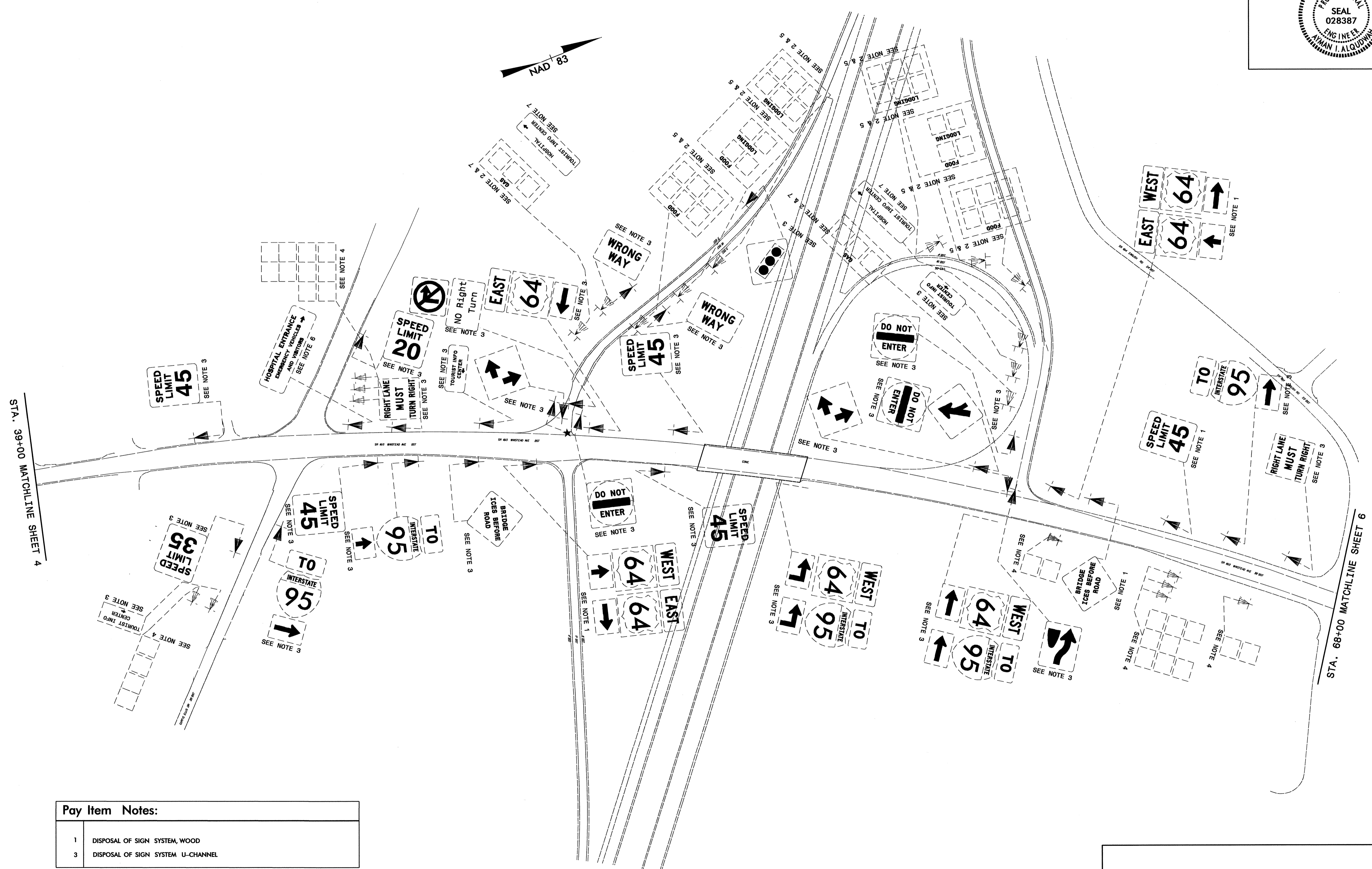
TIP NO. U-4019	SHEET NO. SIGN-4
APPROVED: <i>[Signature]</i>	
DATE: 4-5-11	
SEAL	
	



Pay Item Notes:	
1	DISPOSAL OF SIGN SYSTEM, WOOD
3	DISPOSAL OF SIGN SYSTEM U-CHANNEL

EXISTING SIGNS

3: MAR 2011 10:34
 C:\Users\browin\AppData\Local\Temp\Signing Layout Plans U-4019_Sgn_SGN_sheet4.dgn
 At 11:27:51



3:44:20 11/10
 R:\Projects\Signing\CADD\Signing Layout Plans U-4019_Sgn_SGN_sheet5.dgn
 AT 11:27:15
 browlin

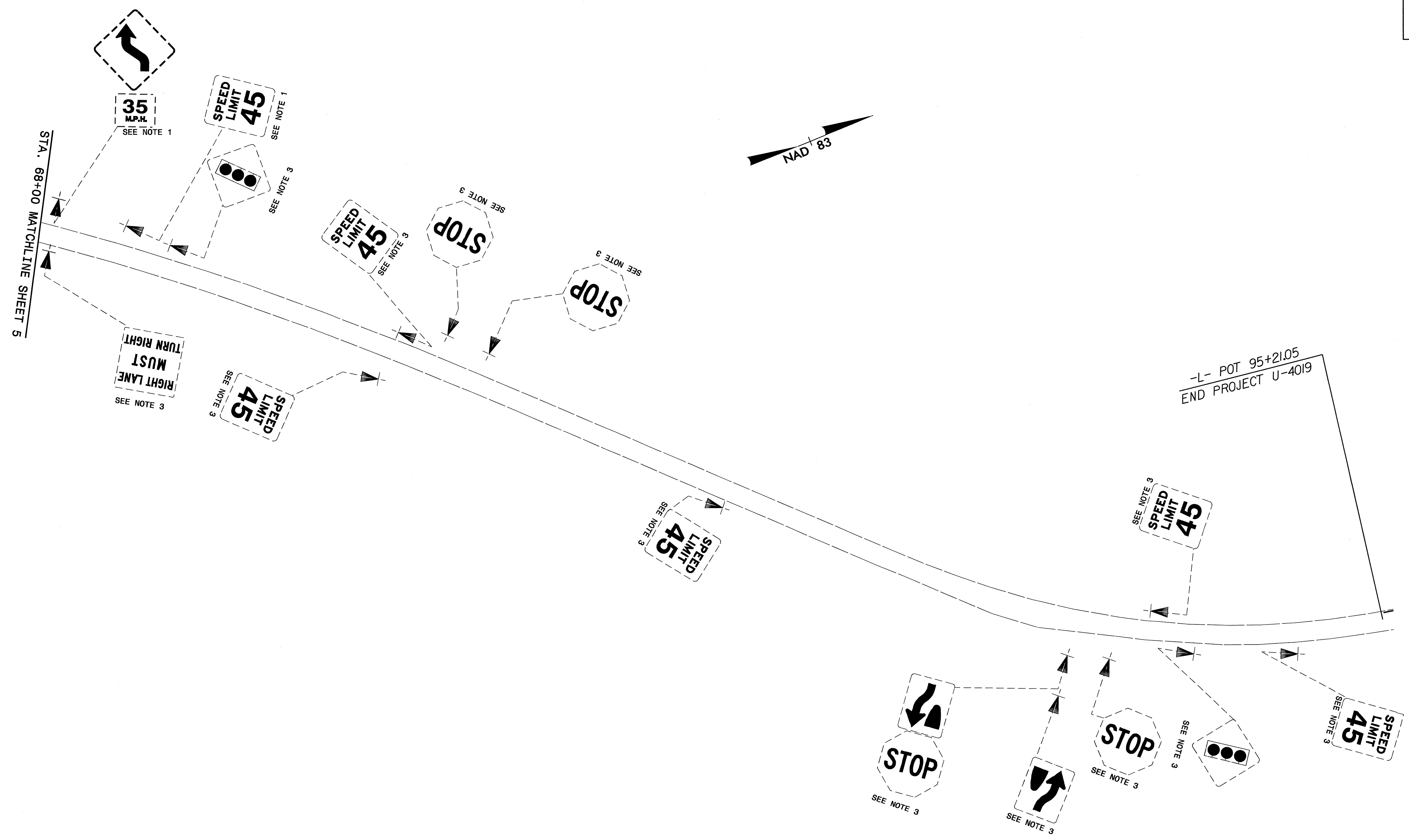
Pay Item Notes:	
1	DISPOSAL OF SIGN SYSTEM, WOOD
3	DISPOSAL OF SIGN SYSTEM U-CHANNEL

EXISTING SIGNS

STA. 39+00 MATCHLINE SHEET 4

STA. 68+00 MATCHLINE SHEET 6



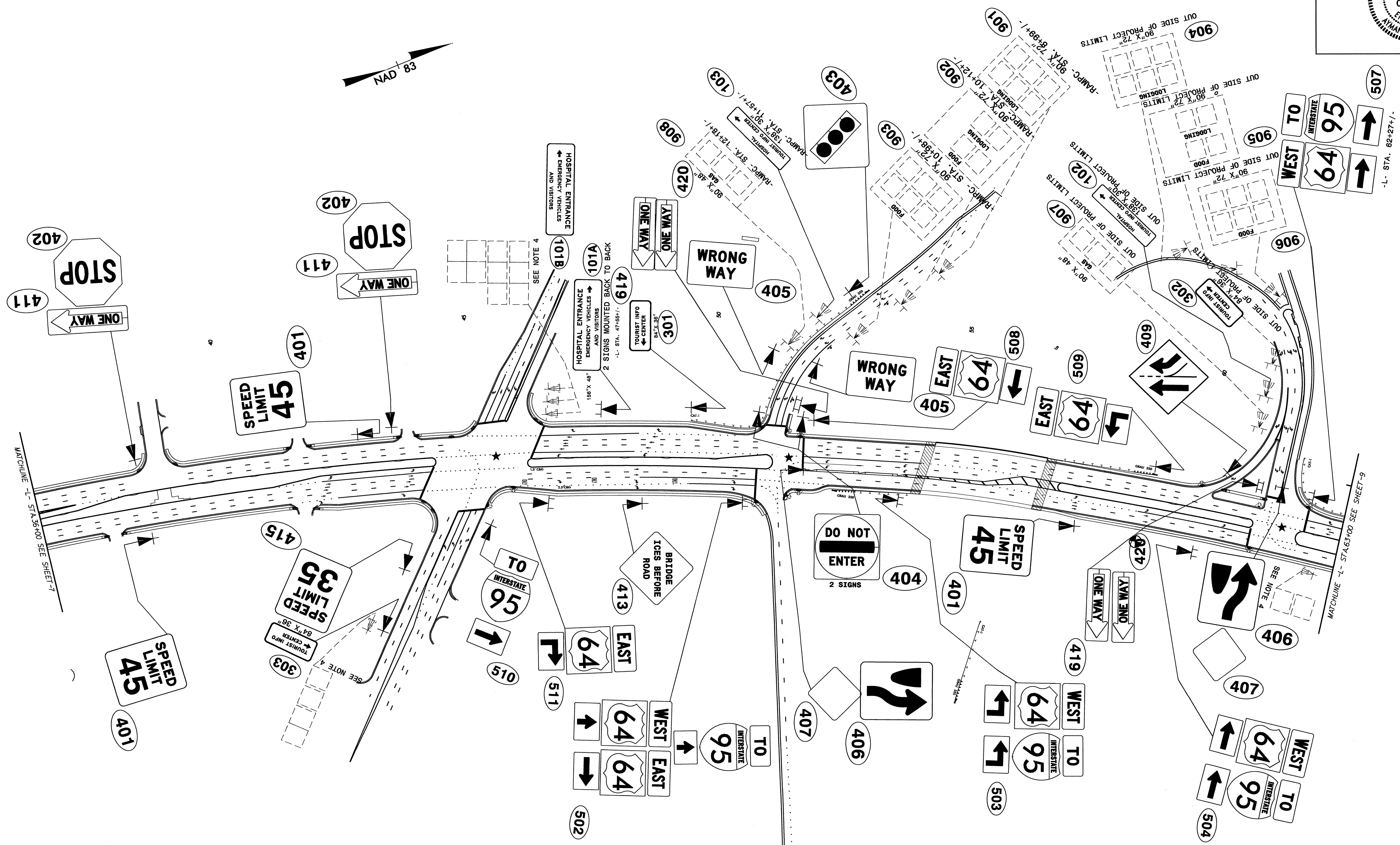
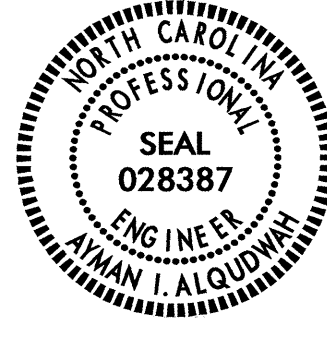


Pay Item Notes:	
1	DISPOSAL OF SIGN SYSTEM, WOOD
3	DISPOSAL OF SIGN SYSTEM U-CHANNEL

EXISTING SIGNS

3-MAR-2011 10:37
 R:\Traffic Signs\2010\ADD\Signing Layout Plans\U-4019_Sgn_SGN_sheet6.dgn
 Sheet 6 of 6

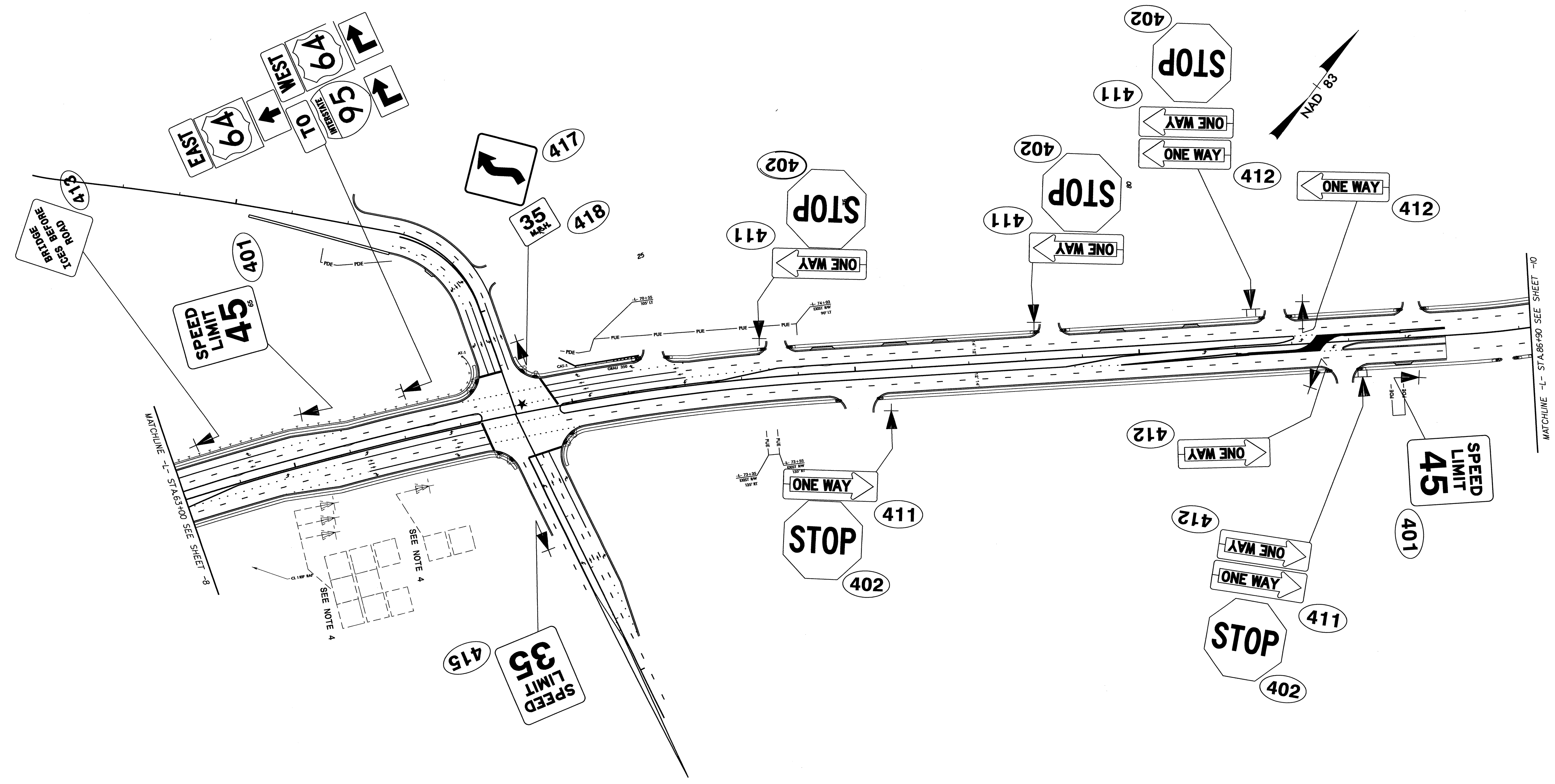
TIP NO. U-4019	SHEET NO. SIGN-8
APPROVED: <i>[Signature]</i>	
DATE: 4-7-11	
SEAL	



PROPOSED SIGNS

06-APR-2011 17:19
 C:\Users\sgn\Documents\CADD\Signing Layout Plans\U-4019_Sgn_SGN_SGN_sheets8.dgn
 brown

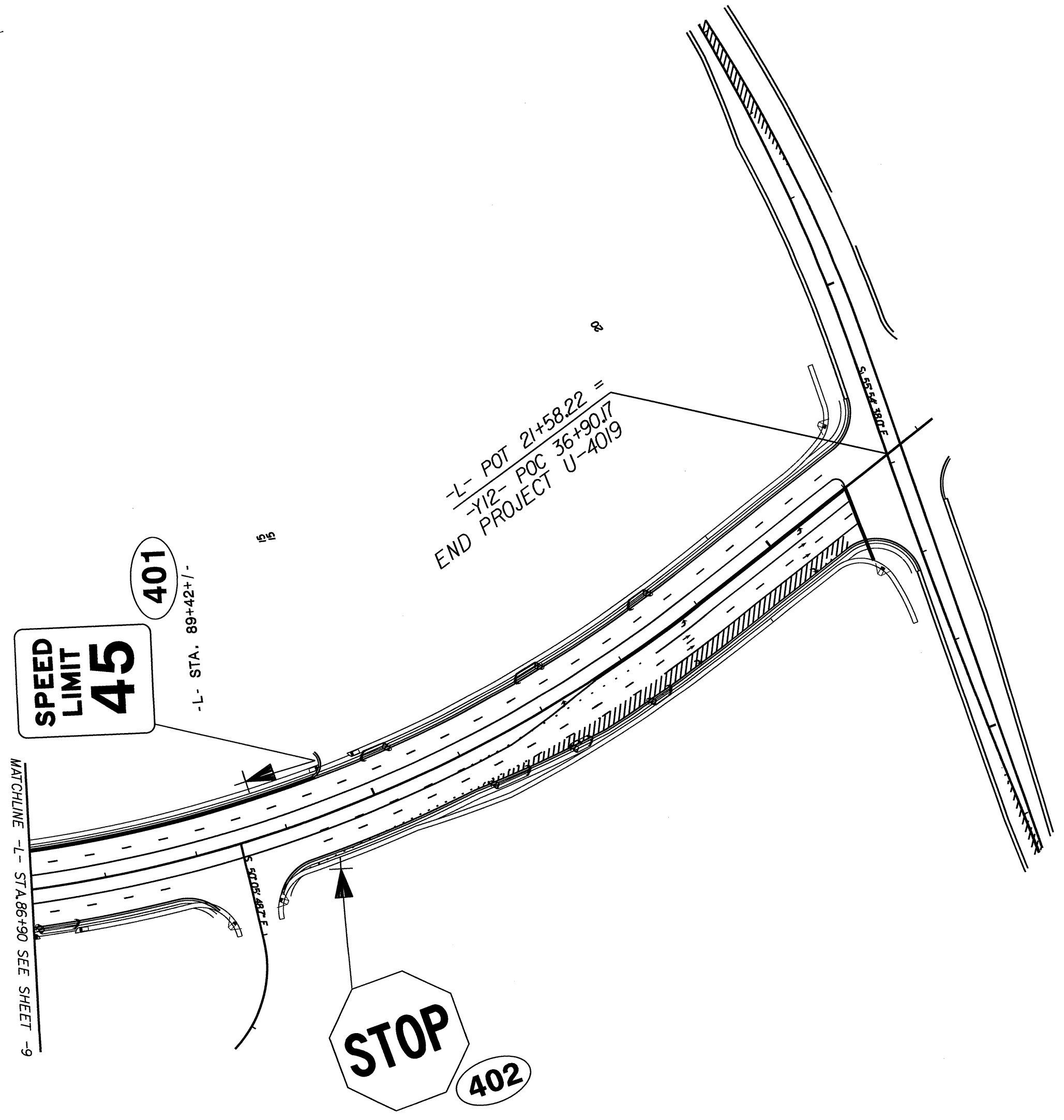
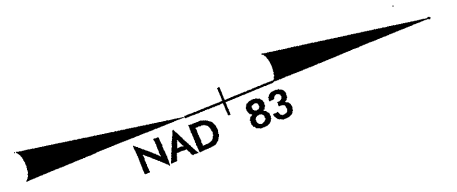
TIP NO. U-4019	SHEET NO. SIGN-9
APPROVED: <i>[Signature]</i>	
DATE: 4-7-11	
SEAL	



PROPOSED SIGNS

06_APR_2011_17:54
 C:\Users\sgn\Documents\Projects\U-4019_Sign\SGN_sheet9.dgn
 sgndwg

TIP NO. U-4019	SHEET NO. SIGN-10
APPROVED: <i>[Signature]</i>	
DATE: 4-5-11	
SEAL	



3:14:2011 12:37
 C:\Users\browin\Documents\CADD\Signing Layout Plans U-4019.sgn.SGN.sgn.sheet10.dgn
 browin AT 11:27:51

PROPOSED SIGNS

3: MAP-2011-282
R:\Projects\2011\282\Signing\Layout Plans\U-4019_sgn_sgn-sheet1.dgn
AT 11:27:51
browlin

PROPOSED BRIDGE
WINSTEAD AVE.

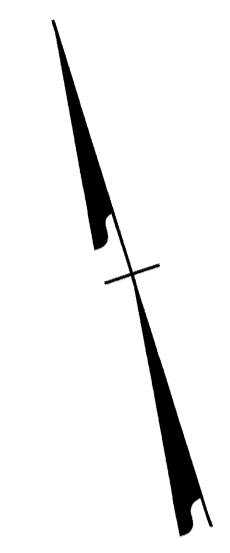
120" X 30"
EXIT 466
Winstead Avenue
EXIT ONLY
1A
1B
252" X 72"

249.9' EAST OF PROPOSED BRIDGE

EXIT 466
Winstead Ave

SEE NOTE 6

US 64 WEST



MILE
4
6
6

120" X 30"
EXIT 466
Winstead Avenue
1/4 MILE
EXIT ONLY
2A
2B
252" X 102"

130.2' EAST OF MP 466

PROPOSED OVERHEAD
SIGNS ON US 64 WEST

TIP NO. U-4019	SHEET NO. SIGN-11
APPROVED: <i>[Signature]</i>	
DATE: 4-5-11	
SEAL	