

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

TIP NO. U-2551	SHEET NO. SIGN-1
APPROVED: <i>RWZ</i>	
DATE: 1/12/12	
SEAL	

SIGNING PLAN BURKE COUNTY

**LOCATION: Morganton-SR 1922 (Enola Rd)/SR 1924 (Old NC28)
from South of Pete Brittian Rd (SR 1940) to NC28 .**

T.I.P.: U-2551

CONTRACT: C202815

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 JANUARY 2012 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
901.60	RIVET SPACING FOR OVERLAYED SIGNS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.40	MILEPOST AND PLACEMENT
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

PROJECT NOTES

- 1 RELOCATE SIGN, TYPE A (GROUND MOUNTED)
- 2 RELOCATE SIGN, TYPE D
- 3 DISPOSAL OF SUPPORT, STEEL BEAM
- 4 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 5 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 6 RELOCATE SIGN, TYPE B (GROUND MOUNTED)

GENERAL NOTES

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

SUMMARY OF QUANTITIES

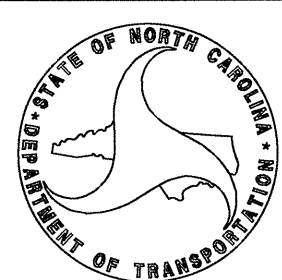
ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	15	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	2	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	9774	LB.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	3723	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1222	L.F.
4078000000	903	SUPPORTS, 2 LB STEEL U-CHANNEL	2	EA.
4102000000	904	SIGN ERECTION, TYPE E	68	EA.
4108000000	904	SIGN ERECTION, TYPE F	11	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	12	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	4	EA.
4114000000	904	SIGN ERECTION, MILEMARKERS	2	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)	4	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE B (GROUND MOUNTED)	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D	9	EA.
4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM	8	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	6	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	82	EA.

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	SUPPORT INFORMATION
SIGN-3-3A	E AND F SHEETS
SIGN-4-4C	SIGN DESIGNS
SIGN-5-18	SIGN DETAIL SHEETS

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

K. L. JORDAN SIGNING & DELINEATION REGIONAL ENGINEER
J. G. MARTINEZ SIGNING & DELINEATION PROJECT DESIGN ENGINEER



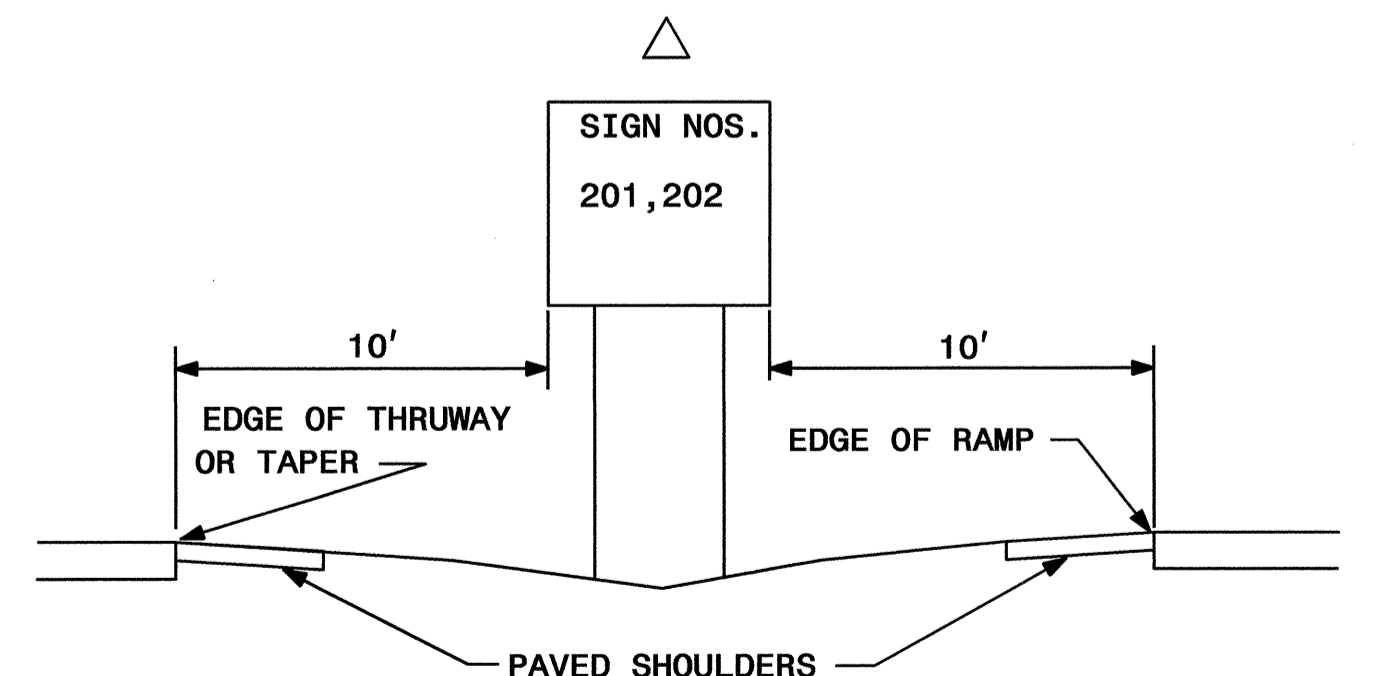
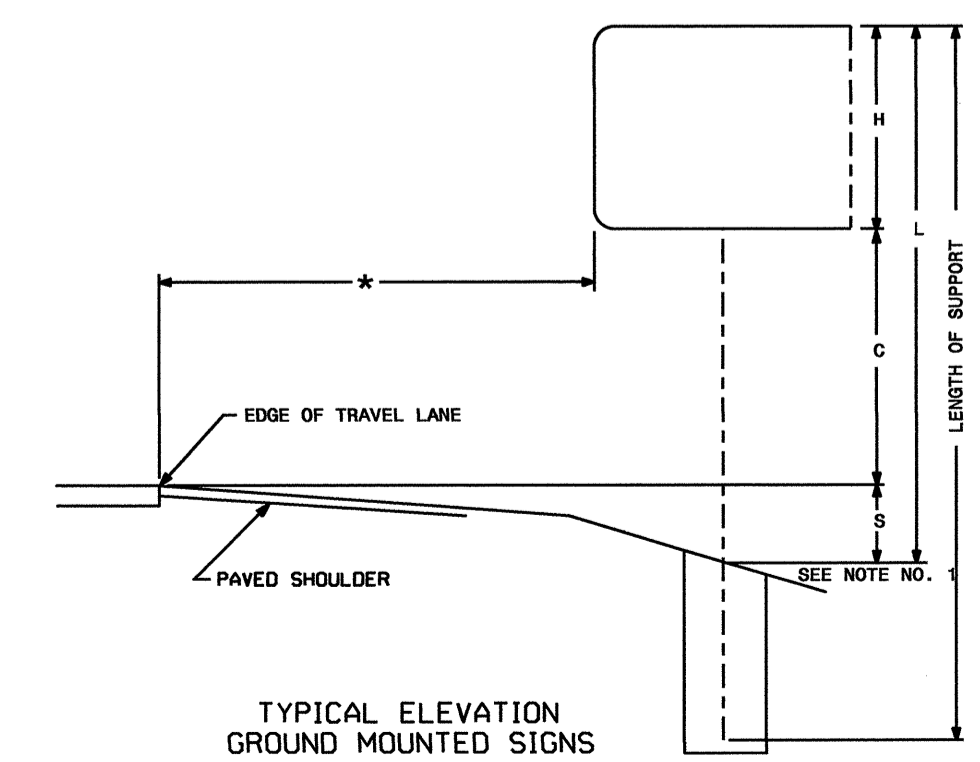
TIP NO. U-2551	SHEET NO. SIGN-2
APPROVED: <i>[Signature]</i>	
DATE: 1/2/12	
SEAL	

SIGN NO.	SIGN TYPE	SIGN SIZE (in.)		ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE BA or S	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR. (ft.)	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			FOOTING DIAMETER (ft.)	FOOTING DEPTH (ft.)	B/A SUPPORT WEIGHTS (lbs.)	SIMPLE SUPPORT WEIGHTS (lbs.)	REINF. FTGS. (c.y.)	PLAIN FTGS. (c.y.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x								h	SNS H	HT C	EMBED-MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L							
101	A	108	X60	67+69 +/- L	2	S4x7.7	BA	N/A	N/A	18.00	5.00	7.00	4	1.92	13.92	17.92	0.00	0.00	0.00	3.25	15.25	19.25	1	4.5	326.82	0.00	0.00	0.26	
102	A	144	X114	71+76 +/- L	2	W6x16	BA	N/A	N/A	18.00	9.50	7.00	5	0.58	17.08	22.08	0.00	0.00	0.00	0.17	16.67	21.67	1.5	5.5	832.38	0.00	0.72	0.00	
103	A	96	X78	78+15 +/- L	2	W6x12	BA	N/A	N/A	18.00	6.50	7.00	4	3.33	16.83	20.83	0.00	0.00	0.00	4.50	18.00	22.00	1.5	4.5	599.36	0.00	0.59	0.00	
104	A	108	X60	84+32 +/- L	2	S4x7.7	BA	N/A	N/A	18.00	5.00	7.00	4	1.83	13.83	17.83	0.00	0.00	0.00	2.42	14.42	18.42	1	4.5	319.73	0.00	0.00	0.26	
105	A	144	X114	81+42 +/- L	2	W6x16	BA	N/A	N/A	18.00	9.50	7.00	5	1.33	17.83	23.33	0.00	0.00	0.00	2.00	18.50	24.00	1.5	6	889.71	0.00	0.79	0.00	
106	A	114	X78	74+15 +/- L	2	W6x12	BA	N/A	N/A	18.00	6.50	7.00	4	1.92	15.42	19.42	0.00	0.00	0.00	2.75	16.25	20.25	1.5	4.5	561.40	0.00	0.59	0.00	
107A	B	108	X30	39+35 +/- Y8	2	W8x21	BA	1-R	N/A	30.00	11.50	7.58	6.5	0.17	19.25	25.75	0.00	0.00	0.00	-0.58	18.50	25.00	2	7	1251.37	0.00	1.63	0.00	
107B	A	210	X138																										
108A	B	108	X30	34+35 +/- Y8	2	W8x18	BA	1-R	N/A	30.00	11.50	7.42	6	0.25	19.17	25.17	0.00	0.00	0.00	-0.42	18.50	24.50	2	6.5	1056.18	0.00	1.51	0.00	
108B	A	162	X138																										
109A	B	108	X30	21+50 +/- Y8	2	W8x21	S	1-R	N/A	20.00	7.00	7.00	5.5	4.17	18.17	23.67	0.00	0.00	0.00	7.08	21.08	26.58	2	6	0.00	1055.25	1.40	0.00	
109B	A	144	X84																										
110A	B	108	X30	54+50 +/- Y8	2	W6x16	BA	1-R	N/A	30.00	7.00	7.00	5.5	3.75	17.75	23.25	0.00	0.00	0.00	4.75	18.75	24.25	1.5	6	892.38	0.00	0.79	0.00	
110B	A	144	X84																										
201	A	90	X60	27+90 +/- Y8	2	S4x7.7	BA	N/A	N/A	△	5.00	7.00	4	0.92	12.92	16.92	0.00	0.00	0.00	1.67	13.67	17.67	1	4.5	306.93	0.00	0.00	0.26	
202	A	90	X60	49+15 +/- Y8	2	S3x5.7	BA	N/A	N/A	△	5.00	7.58	3.5	-0.58	12.00	15.50	0.00	0.00	0.00	-0.42	12.17	15.67	1	4	213.18	0.00	0.00	0.23	
901	A	90	X84	20+24.5 +/- RP	2	W6x12	BA	N/A	N/A	30.00	7.00	7.00	4	4.00	18.00	22.00	0.00	0.00	0.00	4.75	18.75	22.75	1.5	4.5	622.36	0.00	0.59	0.00	
902	A	90	X84	20+00 +/- RPB	2	W6x12	BA	N/A	N/A	30.00	7.00	7.00	4	3.50	17.50	21.50	0.00	0.00	0.00	3.17	17.17	21.17	1.5	4.5	597.36	0.00	0.59	0.00	
903	A	180	X162	59+50 +/- Y8	2	W18x40	S	N/A	N/A	20.00	13.50	7.00	6	4.67	25.17	31.17	0.00	0.00	0.00	9.00	29.50	35.50	3	6.5	0.00	2666.80	3.40	0.00	
904A	A	180	X120	18+25 +/- Y8	2	W8x21	BA	N/A	1	30.00	12.00	7.00	6	3.00	22.00	28.00	0.00	0.00	0.00	0.25	19.25	25.25	2.00	6.5	1303.87	0.00	1.51	0.00	
904B	B	180	X24																										

USE:	TOTAL 9773.05	TOTAL 3722.05	TOTAL 14.10	TOTAL 1.02
	9774	3723	15	2

NOTES

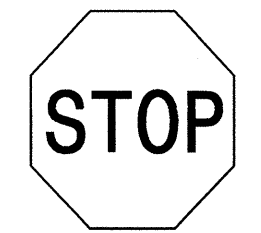
- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. 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

I:\JAN-2012 10450
 P:\TIP-Proj\Projects-U-2551\Signing\CADD\Quantities & GM Signs\U-2551_Sgn Dtes.dgn
 jgmer-cunez AL 1/24/12

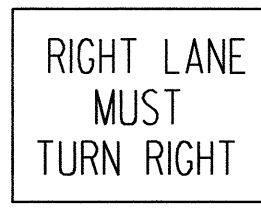
401 QUANTITY REQ'D 16



30" X 30"
R1-1

ONE "U" POST PER SIGN

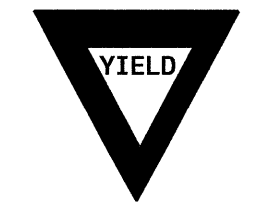
406 QUANTITY REQ'D 2



36" X 36"
R3-7 (R)

ONE "U" POST PER SIGN

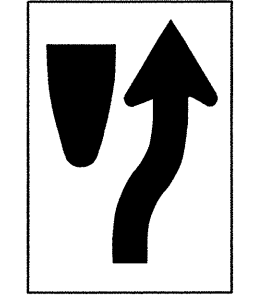
411 QUANTITY REQ'D 1



36" X 36" X 36"
R1-2

ONE "U" POST PER SIGN


416 QUANTITY REQ'D 1



18" X 30"
R4-7C

ONE "U" POST PER SIGN

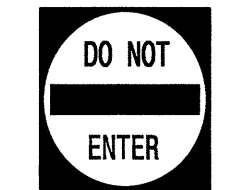
402 QUANTITY REQ'D 1



30" X 30"
W14-2

ONE "U" POST PER SIGN


407 QUANTITY REQ'D 7



30" X 30"
R5-1

ONE "U" POST PER SIGN


412 QUANTITY REQ'D 5



36" X 12"
R6-1 (R)

MOUNT ABOVE SIGN 401.
IN 5 INSTALLATIONS

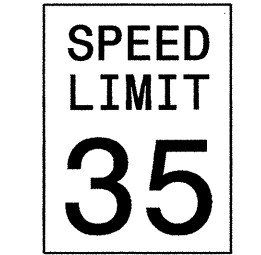
417 QUANTITY REQ'D 3



24" X 8"
S4-3P

MOUNT ABOVE SIGN 405.
IN 3 INSTALLATIONS


403 QUANTITY REQ'D 4



30" X 36"
R2-1

ONE "U" POST PER SIGN

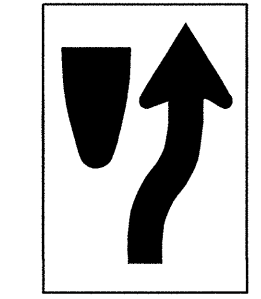
408 QUANTITY REQ'D 7



54" X 18"
R6-1 (R)

TWO "U" POSTS PER SIGN

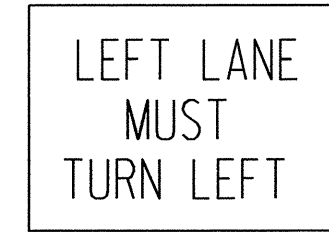
413 QUANTITY REQ'D 2



24" X 30"
R4-7

ONE "U" POST PER SIGN

418 QUANTITY REQ'D 2



36" X 36"
R3-7(L)

ONE "U" POST PER SIGN

404 QUANTITY REQ'D 1




36" X 36"
S4-5

YELLOW/GREEN REFLECTIVE SHEETING

ONE "U" POST PER SIGN

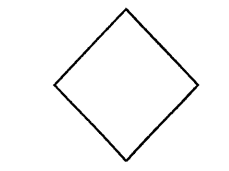
409 QUANTITY REQ'D 2



54" X 18"
R6-1 (L)

MOUNT ABOVE SIGN 408.
IN 2 INSTALLATIONS

414 QUANTITY REQ'D 3




18" X 18"
OM1-3

MOUNT BELOW SIGN 413.
IN 2 INSTALLATIONS

MOUNT BELOW SIGN 416.
IN 1 INSTALLATIONS

405 QUANTITY REQ'D 3

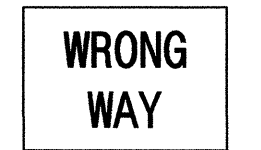


36" X 36"
S1-1

YELLOW/GREEN REFLECTIVE SHEETING

ONE "U" POSTS PER SIGN

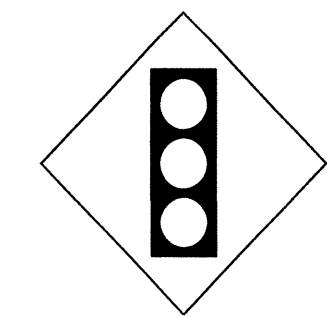
410 QUANTITY REQ'D 7



36" X 24"
R5-1a

ONE "U" POST PER SIGN

415 QUANTITY REQ'D 1



30" X 30"
W3-3

ONE "U" POST PER SIGN

TYPE "E" SIGNS

03-JAN-2012 15:45
 P:\TIP\Projects-U\2551\Traffic\Signing\CADD\Quantities & GM_Signs-U-2551_Sgn_0.ties.dgn
 Jgmer-tinez AT 1E24779B

03-JAN-2012 11:37
 P:\TIP\Projects\U-2551\Traffic\Signing\CADD\Quantities & GM Signs\U-2551_Sgn_Qties.dgn
 jgmarcinez AT 1/24/12

TIP NO. U-2551	SHEET NO. SIGN-3A
APPROVED: <i>RW</i>	
DATE: 1/3/12	
SEAL	



501
504

JCT 21" X 15"
INTERSTATE 40 24" X 24"

ONE "U" POST PER SIGN

507

JCT 21" X 15"
18 24" X 24"

ONE "U" POST PER SIGN

502

WEST 24" X 12"
INTERSTATE 40 24" X 24"
Left Arrow 21" X 15"

ONE "U" POST PER SIGN

508

NORTH SOUTH 2- 24" X 12"
18 18 2- 24" X 24"
Left Arrow Right Arrow 2- 21" X 15"

TWO "U" POSTS PER SIGN

QUANTITY REQ'D - 2

MILE 104 12" X 48" D10-3

ONE "U" POST PER SIGN

503

WEST 24" X 12"
INTERSTATE 40 24" X 24"
Left Arrow 21" X 15"

ONE "U" POST PER SIGN

509

TO 24" X 12"
70 24" X 24"
Left Arrow 21" X 15"
NORTH SOUTH 2- 24" X 12"
18 18 2- 24" X 24"
Left Arrow Right Arrow 2- 21" X 15"

TWO "U" POSTS PER SIGN

505

EAST 24" X 12"
INTERSTATE 40 24" X 24"
Left Arrow 21" X 15"

ONE "U" POST PER SIGN

510

WEST 36" X 18"
INTERSTATE 40 36" X 36"

ONE "U" POST PER SIGN

506

EAST 24" X 12"
INTERSTATE 40 24" X 24"
Left Arrow 21" X 15"


ONE "U" POST PER SIGN

511

EAST 36" X 18"
INTERSTATE 40 36" X 36"

ONE "U" POST PER SIGN

TYPE "F" SIGNS

TIP NO. U-2551	SHEET NO. SIGN-4
APPROVED: <i>[Signature]</i>	
DATE: 1/3/12	
SEAL	
	

SIGN NUMBER: 101
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-0"
HEIGHT: 5'-0"
TOTAL AREA: 45.0 Sq.Ft.

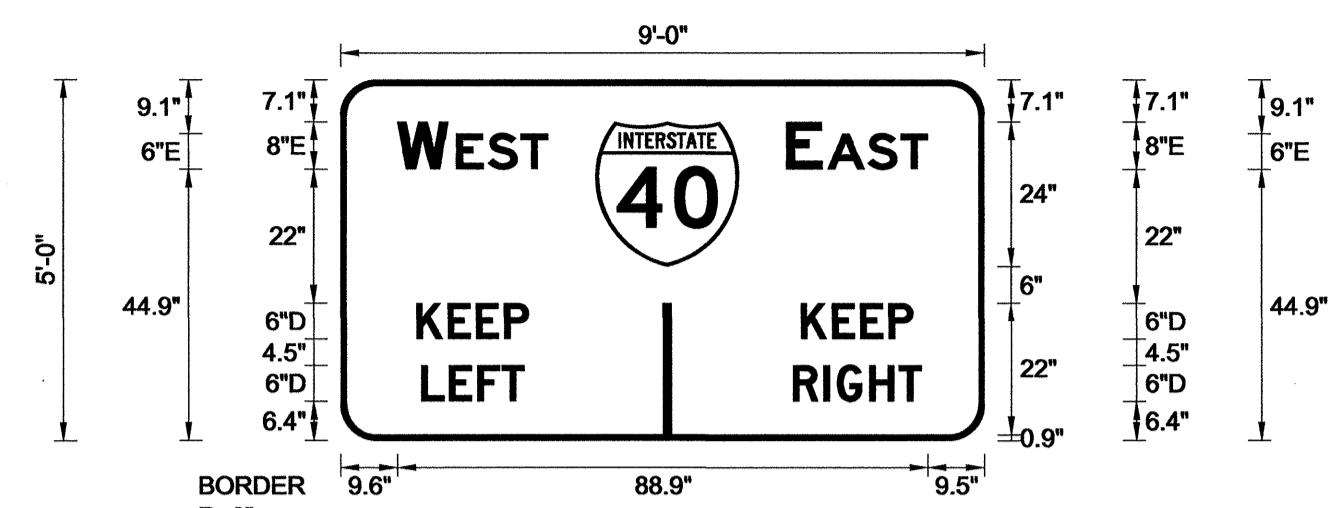
BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	42.8	28.9	24	24

NO. Z BARS: 2
LENGTH: 100.0

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.

DESIGN BY: jgm
PROJECT ID: U-2551
CHECKED BY: DIV: 13
DATE: Aug 03, 2011



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	25.2
E 2000	23.7
D 2000	18.8
D 2000	18.8
D 2000	17.2
D 2000	21.5

FILENAME: U-2551 Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 103
TYPE: A
QUANTITY: 1
SIGN WIDTH: 8'-0"
HEIGHT: 6'-6"
TOTAL AREA: 52.0 Sq.Ft.


BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	19.4	47.5	24	24
ARMED	33.6	6.6	18.3	28.7

NO. Z BARS: 2
LENGTH: 88.0

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.

DESIGN BY: jgm
PROJECT ID: U-2551
CHECKED BY: DIV: 13
DATE: Aug 03, 2011



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	25.2
EM 2000	78.6

FILENAME: U-2551 Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 102
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-6"
HEIGHT: 9'-6"
TOTAL AREA: 118.8 Sq.Ft.

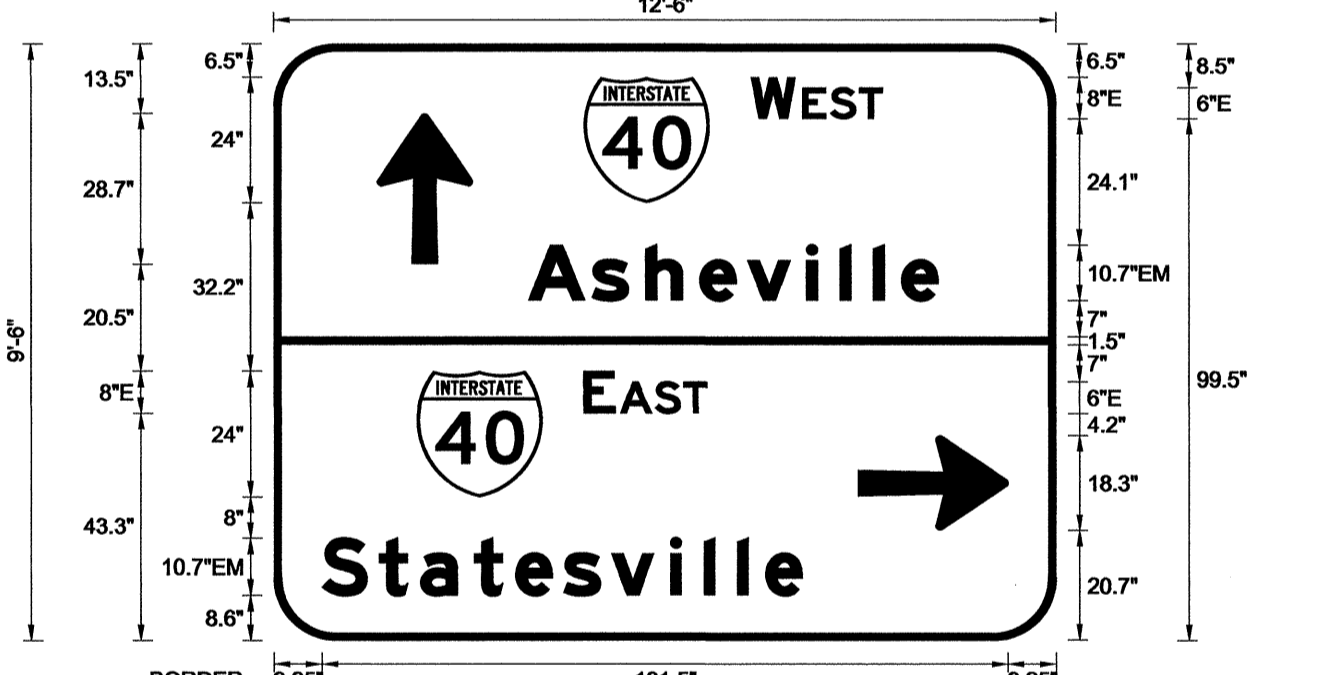
BACKG COLOR: Green/Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	59.5	83.5	24	24
ARMED	19.9	71.8	18.3	28.7
M1_1	27.4	27.3	24	24
ARMED	112	20.8	18.3	28.7

NO. Z BARS: 3
LENGTH: 142.0

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.

DESIGN BY: jgm
PROJECT ID: U-2551
CHECKED BY: DIV: 13
DATE: Aug 03, 2011



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	25.2
EM 2000	78.6
E 2000	23.7
EM 2000	92.1

FILENAME: U-2551 Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 104
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-0"
HEIGHT: 5'-0"
TOTAL AREA: 45.0 Sq.Ft.

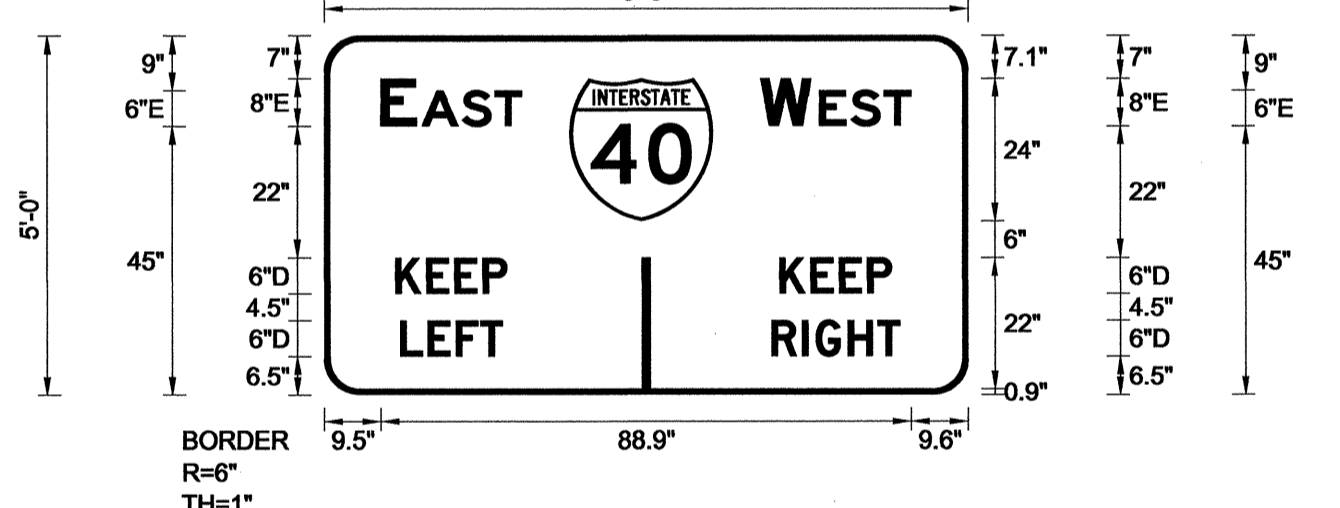
BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	41.2	28.9	24	24

NO. Z BARS: 2
LENGTH: 100.0

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.

DESIGN BY: jgm
PROJECT ID: U-2551
CHECKED BY: DIV: 13
DATE: Aug 03, 2011



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	23.7
E 2000	25.2
D 2000	18.8
D 2000	18.8
D 2000	17.2
D 2000	21.5

FILENAME: U-2551 Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS

03-JAN-2012 11:38 P:\IP-Proj\Projects\U-2551\Signing\CADD\Quantities & GM Signs\U-2551_Sgn_Qties.dgn jgmarcinez RH 12/27/11

TIP NO. U-2551	SHEET NO. SIGN-4A
APPROVED: <i>R. W. King</i>	DATE: 1/24/12
SEAL	

SIGN NUMBER: 105
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 9'-6"
TOTAL AREA: 114.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADIUS: 12"
NO. Z BARS: 3
LENGTH: 136.0

BACKG COLOR: Green/Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	58.4	83.5	24	24
ARMED	11.4	71.8	18.3	28.7
M1_1	23.9	27.3	24	24
ARMED	102.4	20.8	18.3	28.7

MAT'L: 0.125" (3.2 mm) ALUMINUM

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.

DESIGN BY: jgm
PROJECT ID: U-2551
CHECKED BY: DIV: 13
DATE: Aug 03, 2011

Spacing Factor is 1 unless specified otherwise

SIGN NUMBER: 107A
TYPE: B
QUANTITY: 1
SIGN WIDTH: 9'-0"
HEIGHT: 2'-6"
TOTAL AREA: 22.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 3"
NO. Z BARS: 2
LENGTH: 100.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1				

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,2
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.
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

DESIGN BY: JGM
PROJECT ID: U-2551
CHECKED BY: DIV: 13
DATE: Dec 07, 2011

Panel Style: tab.bsi
M.U.T.C.D.: 2003 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	24.2
EM 2000	92.3
E 2000	24.7
EM 2000	78.9

FILENAME: U-2551 Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	80.9

FILENAME: U-2551 Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 106
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-6"
HEIGHT: 6'-6"
TOTAL AREA: 61.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADIUS: 9"
NO. Z BARS: 2
LENGTH: 106.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	28.9	47	24	24
ARMED	42.6	7	18.3	28.7

MAT'L: 0.125" (3.2 mm) ALUMINUM

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.

DESIGN BY: jgm
PROJECT ID: U-2551
CHECKED BY: DIV: 13
DATE: Aug 04, 2011

Spacing Factor is 1 unless specified otherwise

SIGN NUMBER: 107B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 17'-6"
HEIGHT: 11'-6"
TOTAL AREA: 201.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"
NO. Z BARS: 3
LENGTH: 202.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	87	90	36	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,2,3
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.
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

DESIGN BY: JGM
PROJECT ID: U-2551
CHECKED BY: DIV: 13
DATE: Jan 10, 2012

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	24.2
EM 2000	92.3

FILENAME: U-2551 Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size	Text Length
EM 2000	131.4
EM 2000	177.6
E 2000	52.6

FILENAME: U-2551 Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

I:\JAN-2012 10451
P:\TIP-Projects-U-2551\Signing\CADD\Quantities & GM Signs-U-2551_Sgn Qties.dgn
jgmarcme2 HT 1/24/12

SIGN DESIGNS

TIP NO. U-2551	SHEET NO. SIGN-4B
APPROVED: <i>[Signature]</i>	
DATE: 1/12/12	
SEAL	

SIGN NUMBER: 108A
TYPE: B
QUANTITY: 1
SIGN WIDTH: 9'-0"
HEIGHT: 2'-6"
TOTAL AREA: 22.5 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

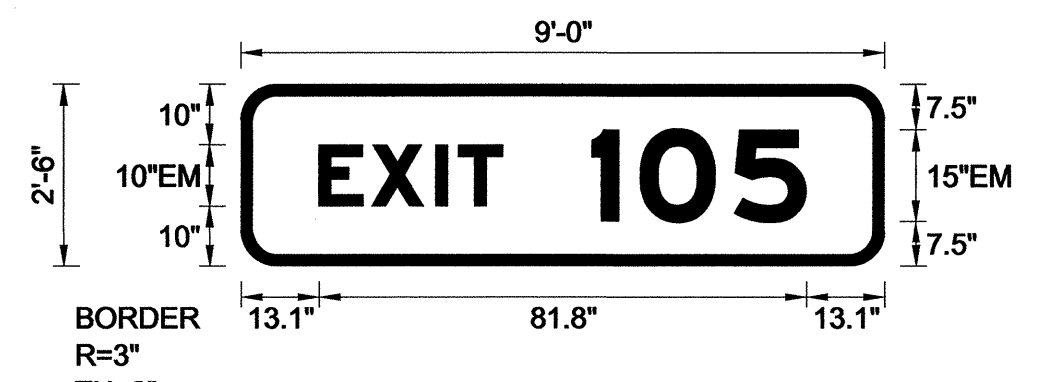
SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: JGM
PROJECT ID: U-2551

CHECKED BY:
DIV: 13

DATE: Dec 08, 2011



USE NOTES: 1,2

- 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.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

BORDER R=3" TH=2"

Panel Style: tab.bsl
M.U.T.C.D.: 2003 Edition

Spacing Factor is 1 unless specified otherwise

SIGN NUMBER: 109A,110A
TYPE: B
QUANTITY: 2
SIGN WIDTH: 9'-0"
HEIGHT: 2'-6"
TOTAL AREA: 22.5 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

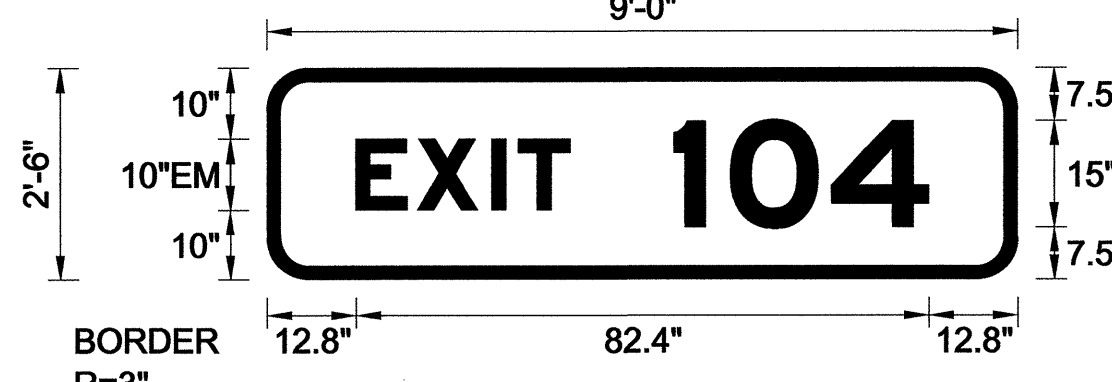
SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: JGM
PROJECT ID: U-2551

CHECKED BY:
DIV: 13

DATE: Dec 21, 2011



USE NOTES: 1,2

- 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.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

BORDER R=3" TH=2"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	81.8

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size	Text Length
EM 2000	82.4

SIGN NUMBER: 108B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 13'-6"
HEIGHT: 11'-6"
TOTAL AREA: 155.3 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1-5-2-36-15C	63	90	36	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: JGM
PROJECT ID: U-2551

CHECKED BY:
DIV: 13

DATE: Jan 11, 2012

BORDER R=12" TH=2"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size	Text Length
EM 2000	131.4
EM 2000	85.9
E 2000	52.6

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size	Text Length
EM 2000	108.6

SIGN NUMBER: 109B,110B
TYPE: A
QUANTITY: 2
SIGN WIDTH: 12'-0"
HEIGHT: 7'-0"
TOTAL AREA: 84.0 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	58.2	12.9	22.2	35

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: JGM
PROJECT ID: U-2551

CHECKED BY:
DIV: 13

DATE: Jan 11, 2012

BORDER R=11" TH=2"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size	Text Length
EM 2000	108.6

LETTER POSITIONS

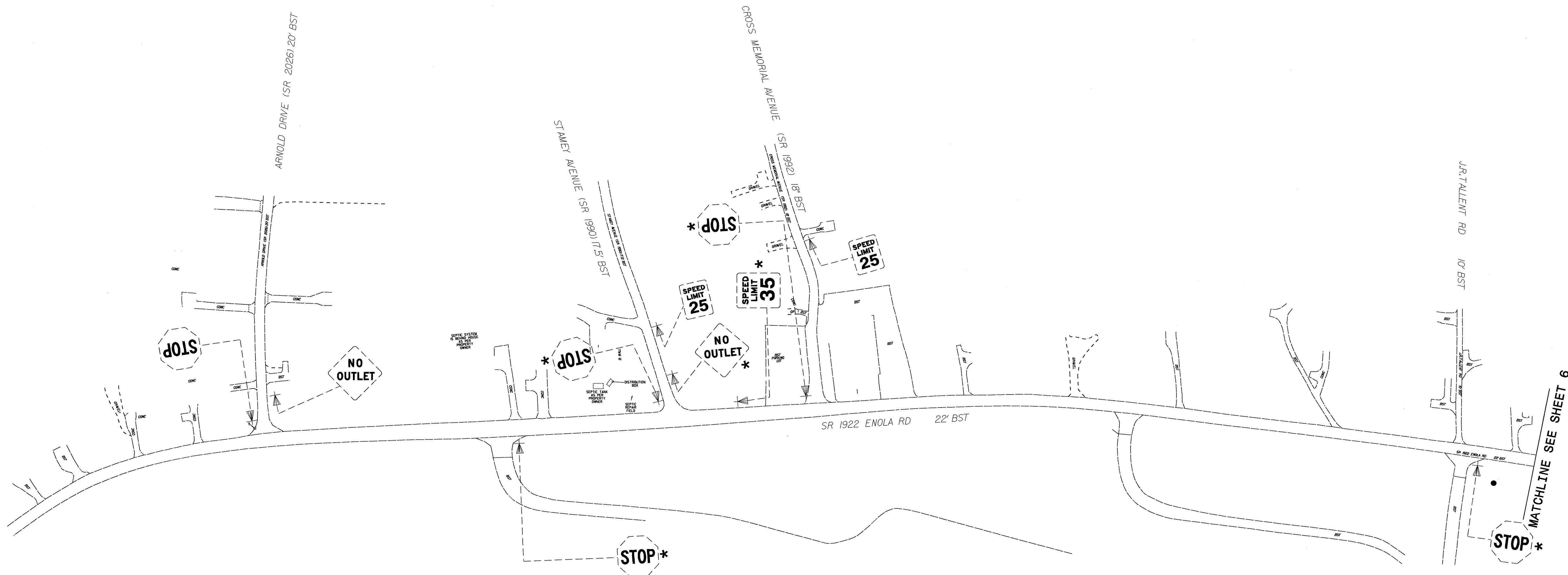
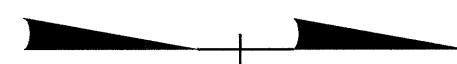
Letter locations are panel edge to lower left corner

Series/Size	Text Length
EM 2000	108.6

I:\JAN-2012 10453
 P:\TIP-Projects-U-2551\Signing\CADD\Quantities & GM Signs\U-2551_Sgn Ques.dgn
 Jgmar-cme2 HI 1E24795

SIGN DESIGNS

TIP NO. U-2551	SHEET NO. SIGN-5
APPROVED: <i>R.W.K.</i>	
DATE: 4/3/12	
SEAL	



PROJECT NOTES

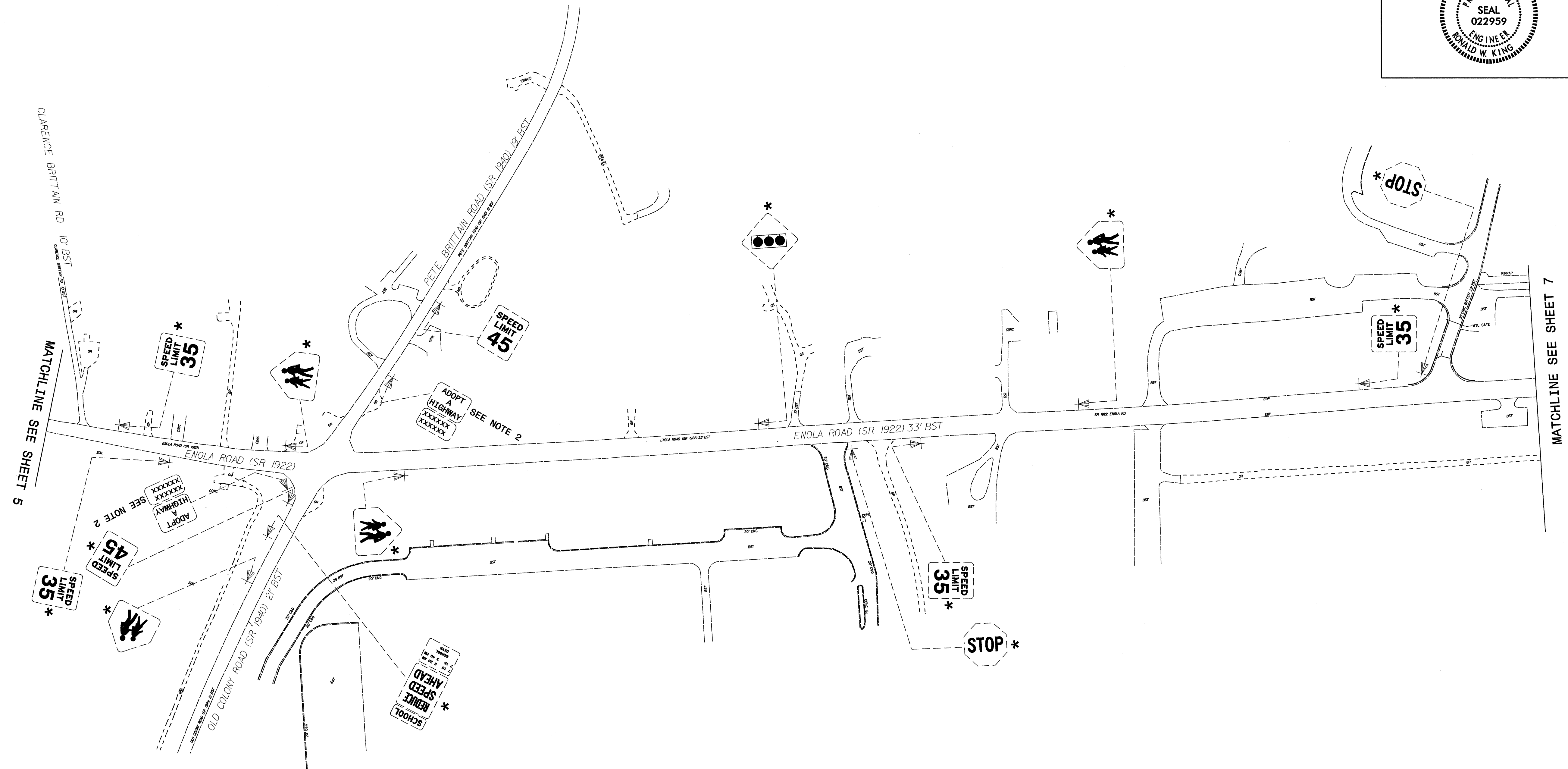
- 1 RELOCATE SIGN, TYPE A (GROUND MOUNTED)
- 2 RELOCATE SIGN, TYPE D
- 3 DISPOSAL OF SUPPORT, STEEL BEAM
- 4 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 5 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 6 RELOCATE SIGN, TYPE B (GROUND MOUNTED)

* SEE NOTE 5

EXISTING SIGNS

03-JAN-2012 11:42 AM
 P:\TIP\Projects\U-2551\Signing\CADD\Signing Layout Plans\U-2551_Extmg_SGN_05.dgn
 J.Simon@ncg.com

TIP NO. U-2551	SHEET NO. SIGN-6
APPROVED: <i>RW7</i>	
DATE: 1/3/12	
SEAL	



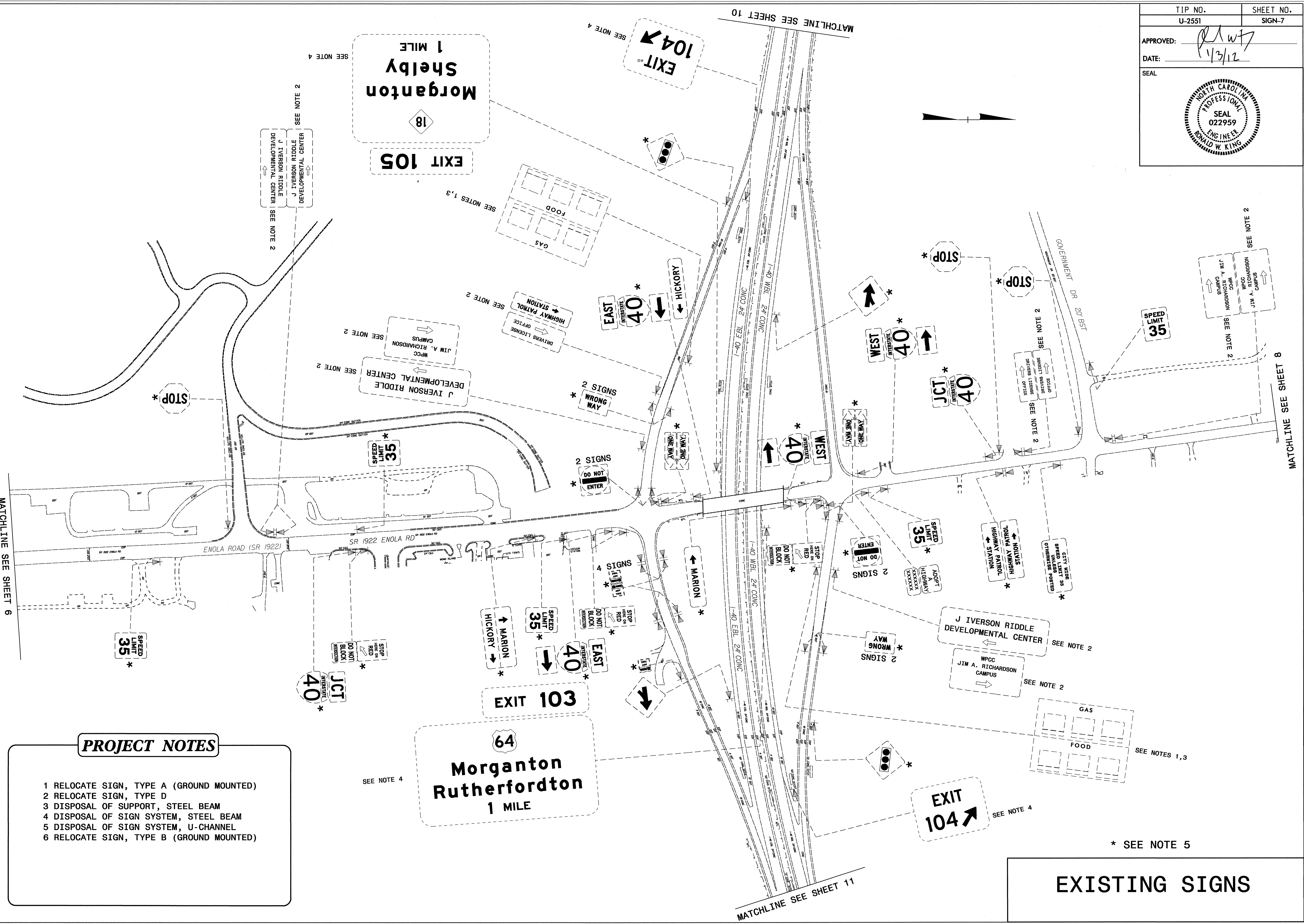
PROJECT NOTES

- 1 RELOCATE SIGN, TYPE A (GROUND MOUNTED)
- 2 RELOCATE SIGN, TYPE D
- 3 DISPOSAL OF SUPPORT, STEEL BEAM
- 4 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 5 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 6 RELOCATE SIGN, TYPE B (GROUND MOUNTED)

* SEE NOTE 5

EXISTING SIGNS

03-11-2012 15:27
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 Jgmar-trnez AT 1/24/12



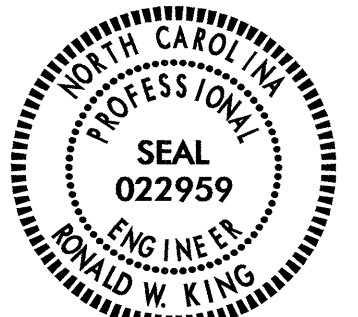
PROJECT NOTES

- 1 RELOCATE SIGN, TYPE A (GROUND MOUNTED)
- 2 RELOCATE SIGN, TYPE D
- 3 DISPOSAL OF SUPPORT, STEEL BEAM
- 4 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 5 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 6 RELOCATE SIGN, TYPE B (GROUND MOUNTED)

* SEE NOTE 5

EXISTING SIGNS

03 JAN-2012 11:43
 P:\Projects\Projects\U-2551\Signing\CADD\Signing Layout Plans\U-2551\Extng_SGN_07.dgn
 jgmon@ncz.com

TIP NO. U-2551	SHEET NO. SIGN-8
APPROVED: <i>RW</i>	
DATE: 1/31/12	
SEAL	
	



PROJECT NOTES

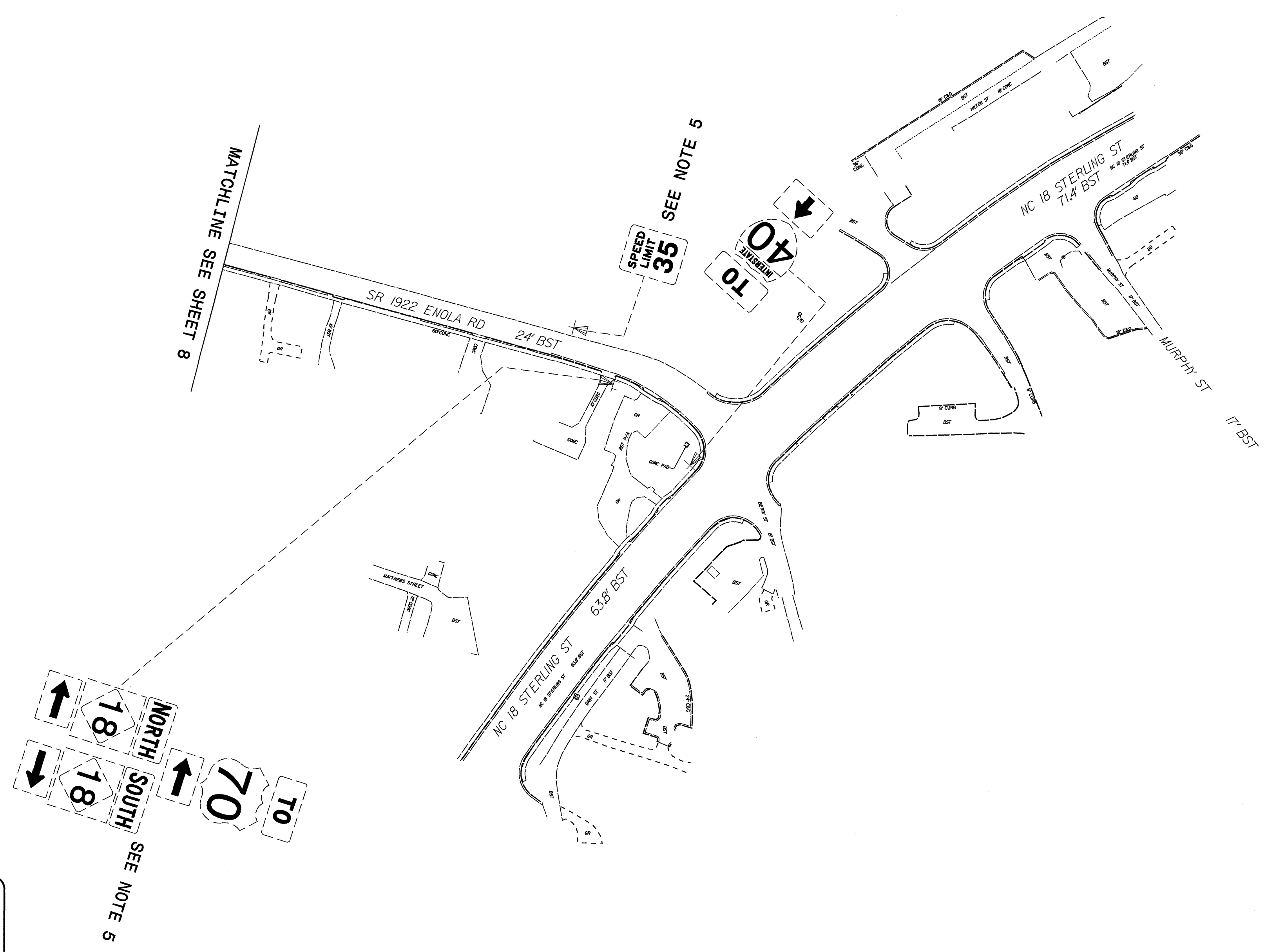
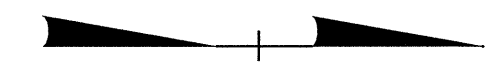
- 1 RELOCATE SIGN, TYPE A (GROUND MOUNTED)
- 2 RELOCATE SIGN, TYPE D
- 3 DISPOSAL OF SUPPORT, STEEL BEAM
- 4 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 5 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 6 RELOCATE SIGN, TYPE B (GROUND MOUNTED)

* SEE NOTE 5

EXISTING SIGNS

03-JAN-2012 11:45 AM C:\Users\jgibson\Documents\Projects\U-2551\Traffic\Signing\CADD\Signing Layout Plans\U-2551_Extng_SGN_08.dgn
 jgibson

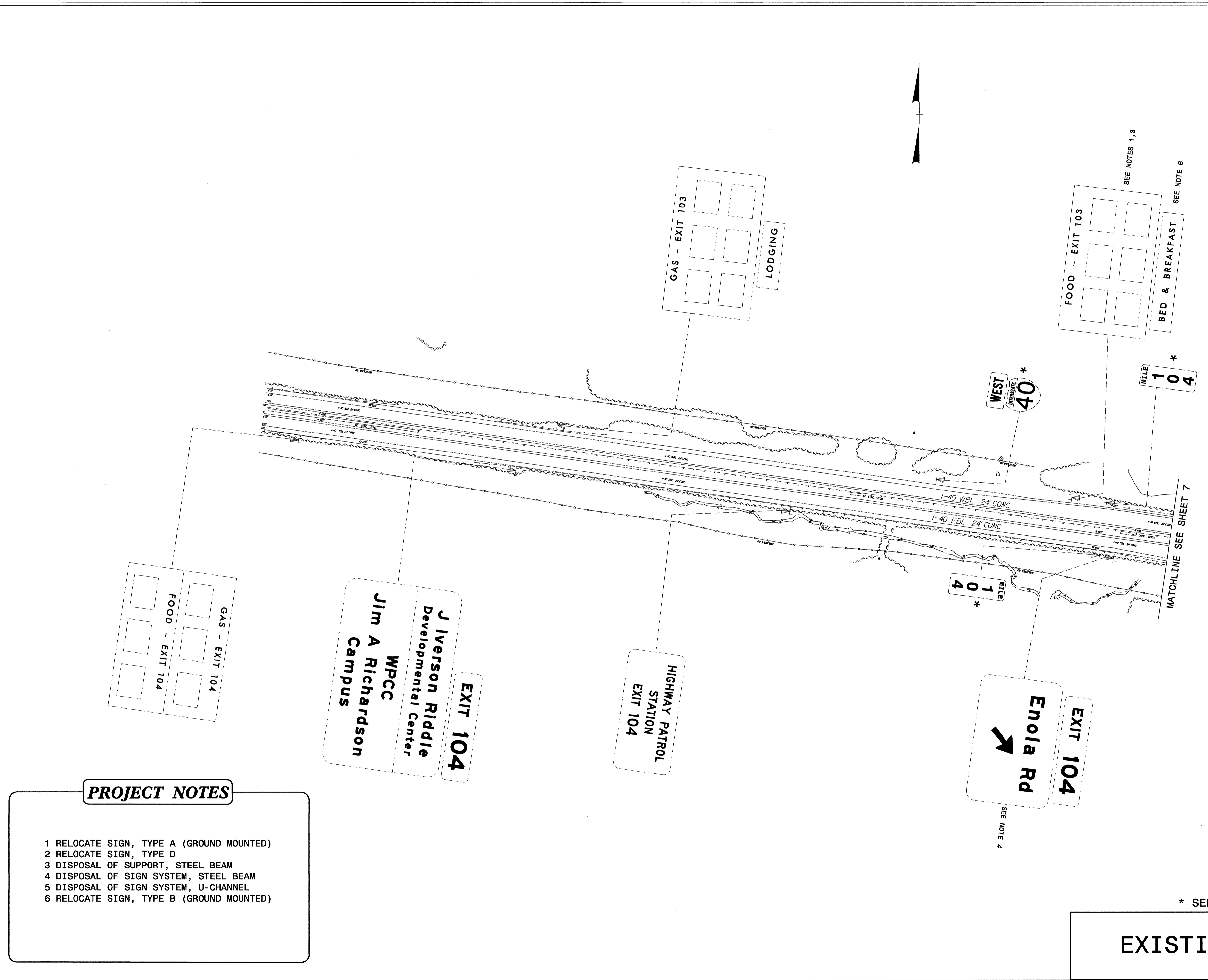
APPROVED: *RWT*
DATE: 1/3/12



PROJECT NOTES

- 1 RELOCATE SIGN, TYPE A (GROUND MOUNTED)
- 2 RELOCATE SIGN, TYPE D
- 3 DISPOSAL OF SUPPORT, STEEL BEAM
- 4 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 5 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 6 RELOCATE SIGN, TYPE B (GROUND MOUNTED)

EXISTING SIGNS



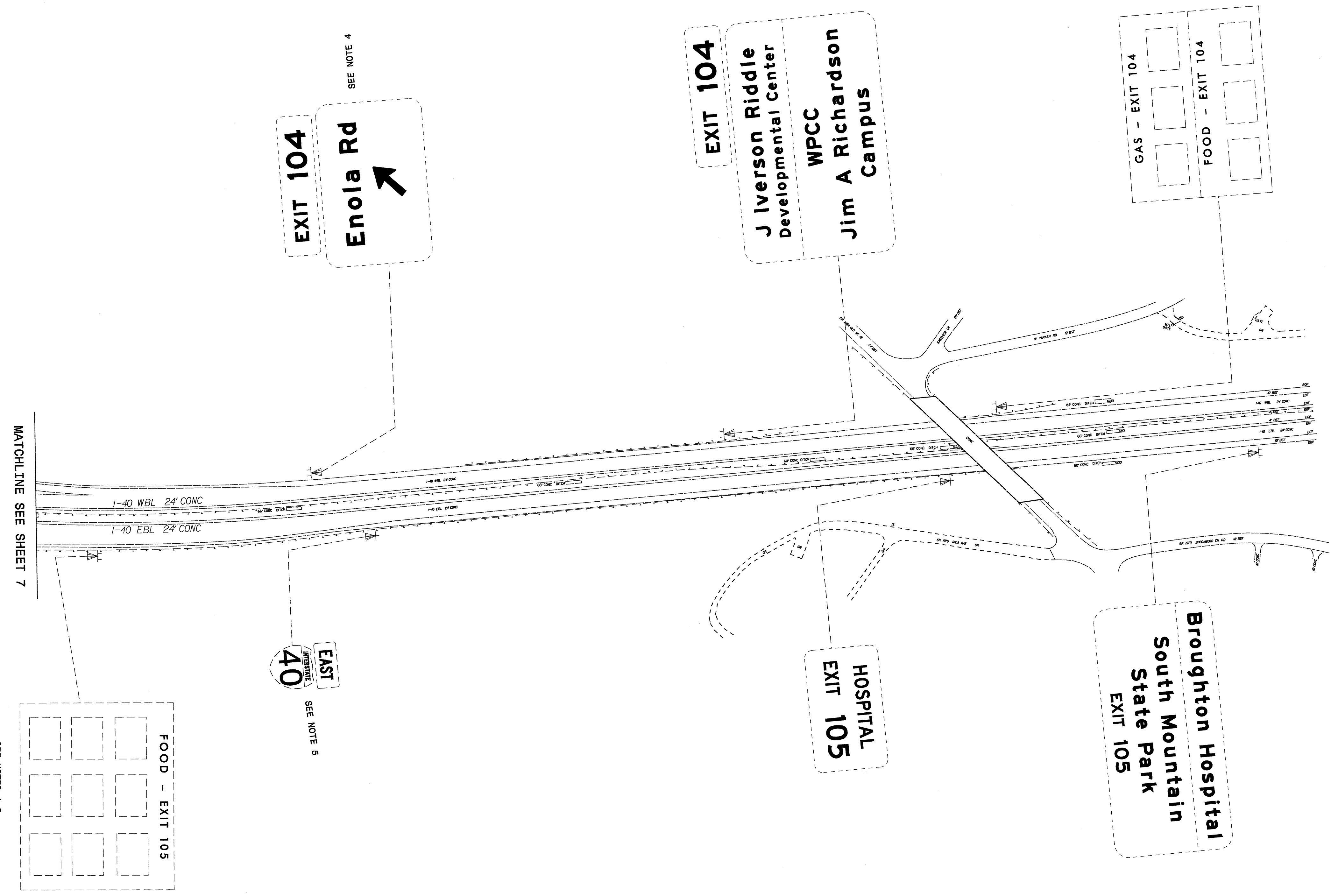
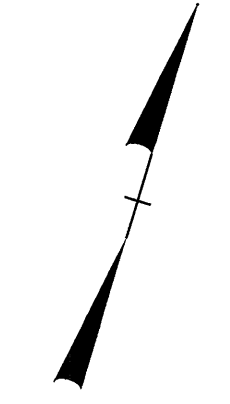
PROJECT NOTES

- 1 RELOCATE SIGN, TYPE A (GROUND MOUNTED)
- 2 RELOCATE SIGN, TYPE D
- 3 DISPOSAL OF SUPPORT, STEEL BEAM
- 4 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 5 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 6 RELOCATE SIGN, TYPE B (GROUND MOUNTED)

EXISTING SIGNS

* SEE NOTE 5

TIP NO. U-2551	SHEET NO. SIGN-11
APPROVED: <i>[Signature]</i>	
DATE: 1/3/12	
SEAL	

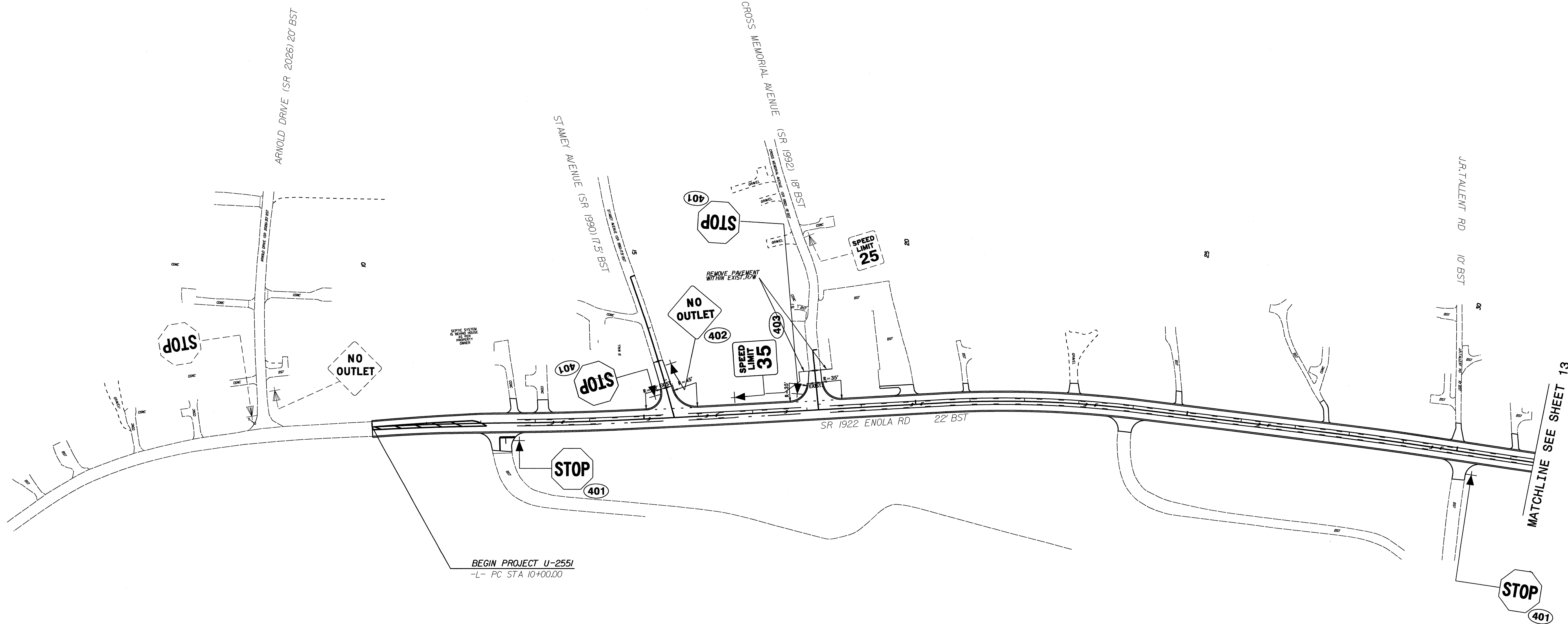
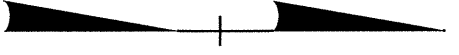


- PROJECT NOTES**
- 1 RELOCATE SIGN, TYPE A (GROUND MOUNTED)
 - 2 RELOCATE SIGN, TYPE D
 - 3 DISPOSAL OF SUPPORT, STEEL BEAM
 - 4 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 - 5 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - 6 RELOCATE SIGN, TYPE B (GROUND MOUNTED)

PROPOSED SIGNS

03-JAN-2012 11:48 AM \\U-2551\Teff\c\Sigging Layout Plans\U-2551\LExtmg_SGN_11.dgn
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 J:\Signage\Signage.dwg

TIP NO. U-2551	SHEET NO. SIGN-12
APPROVED: <i>RW7</i>	
DATE: 4/3/12	
SEAL	

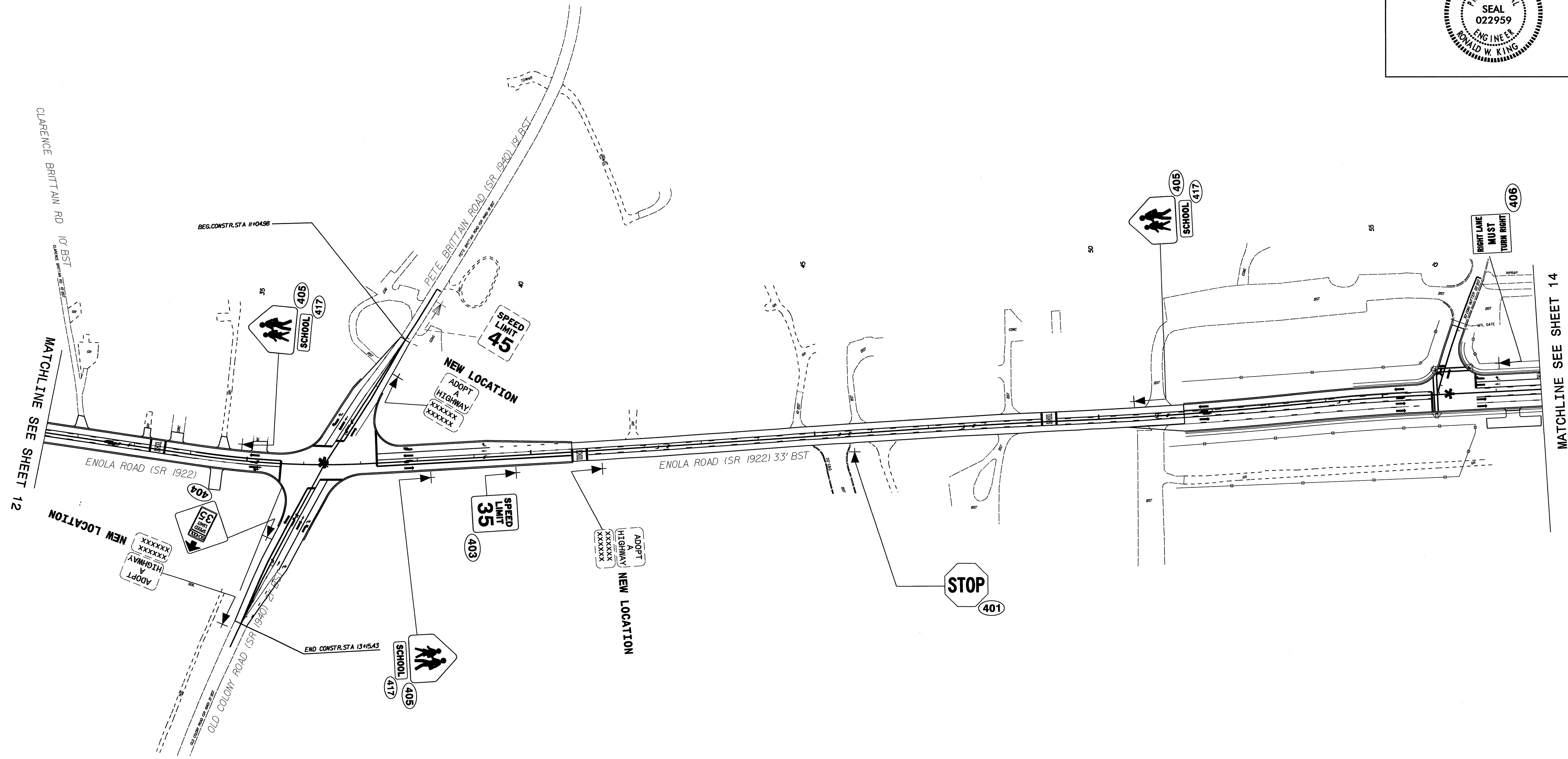


BEGIN PROJECT U-2551
-L- PC STA 10+00.00

PROPOSED SIGNS

03_Apr_2012 11:49 AM
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 User: rking
 Title: 1227736

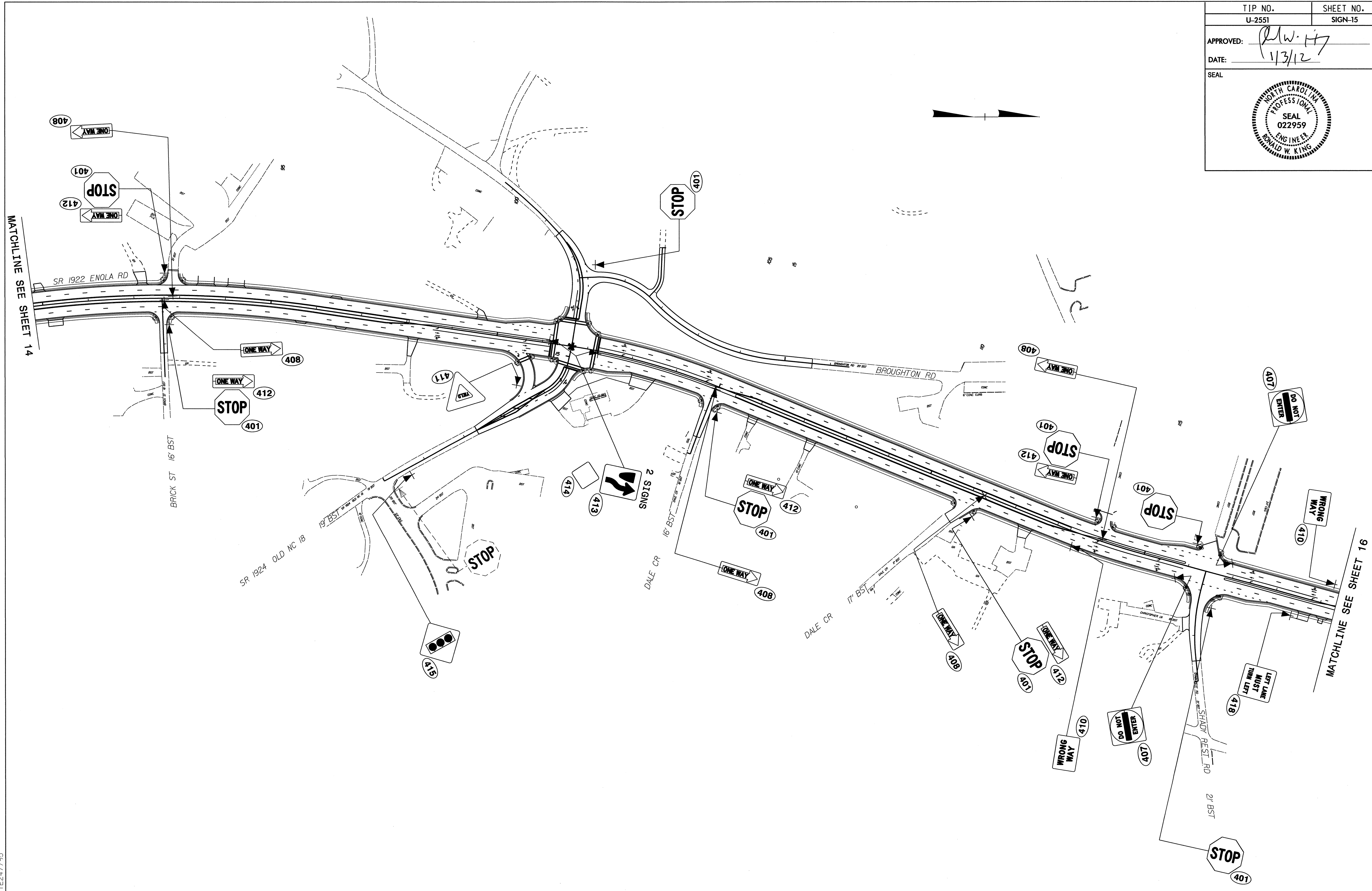
TIP NO. U-2551	SHEET NO. SIGN-13
APPROVED: <i>RW</i>	
DATE: 4/3/12	
SEAL	



PROPOSED SIGNS

TIP NO. U-2551	SHEET NO. SIGN-15
APPROVED: <i>R.W. King</i>	
DATE: 11/3/12	
SEAL	

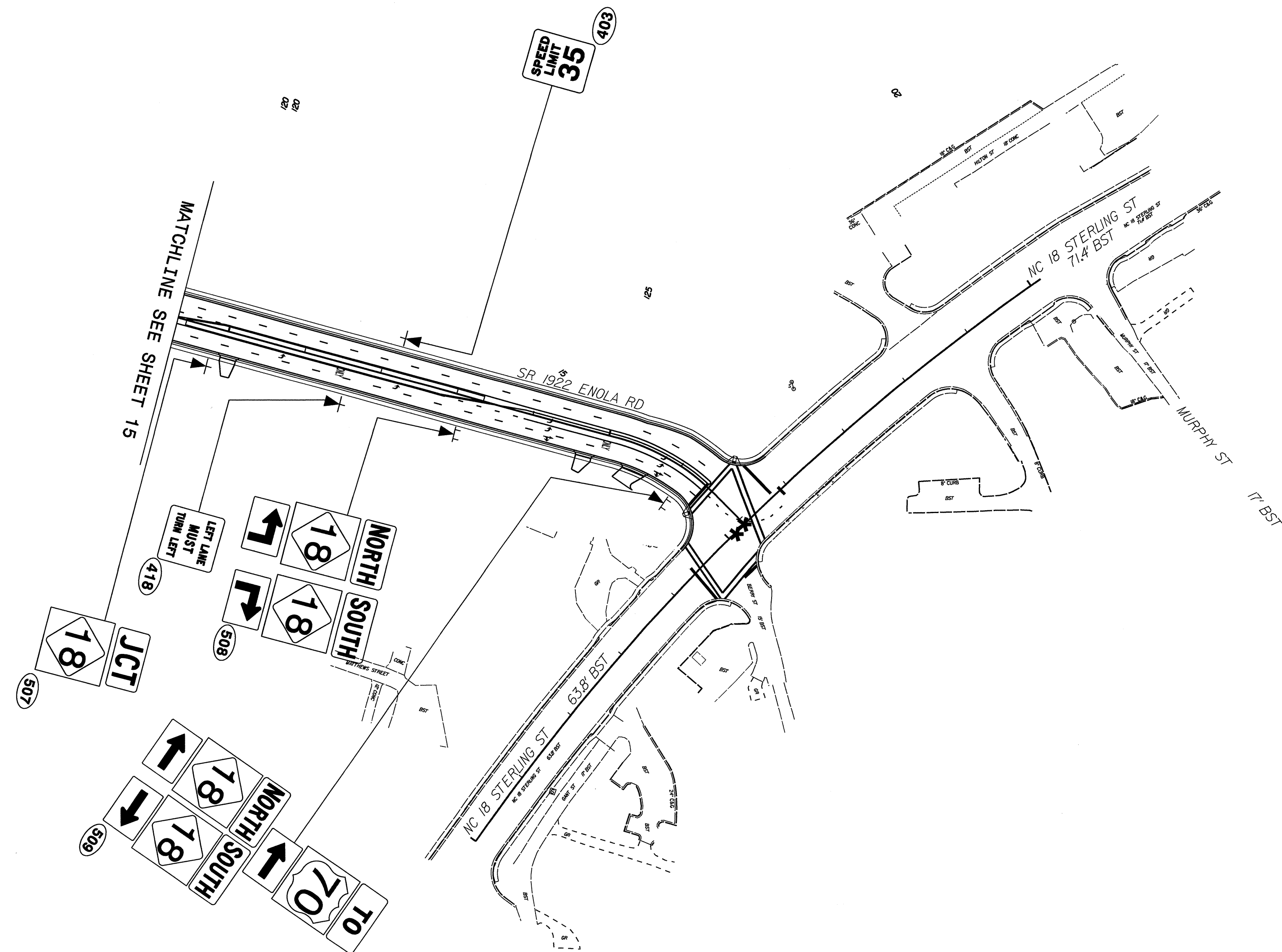
SEAL
022959
ENGINEER
DONALD W. KING



PROPOSED SIGNS

03-MNH-2012 15.657
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 jgmar-trnez AT 11/24/12

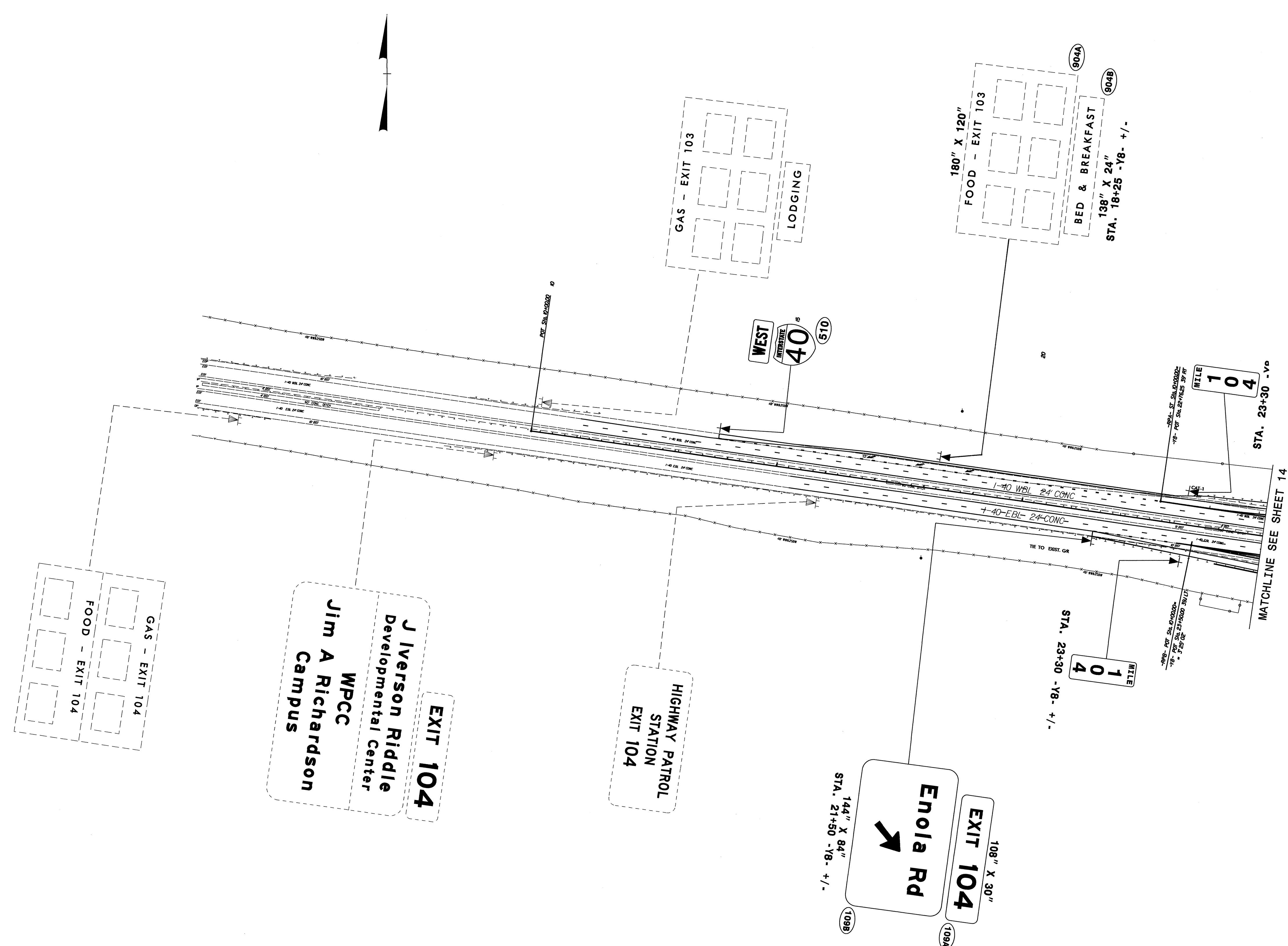
TIP NO. U-2551	SHEET NO. SIGN-16
APPROVED: <i>RWJ</i>	
DATE: 4/3/12	
SEAL	



PROPOSED SIGNS

TIP NO. U-2551	SHEET NO. SIGN-17
APPROVED: <i>[Signature]</i>	
DATE: 1/24/12	
SEAL	

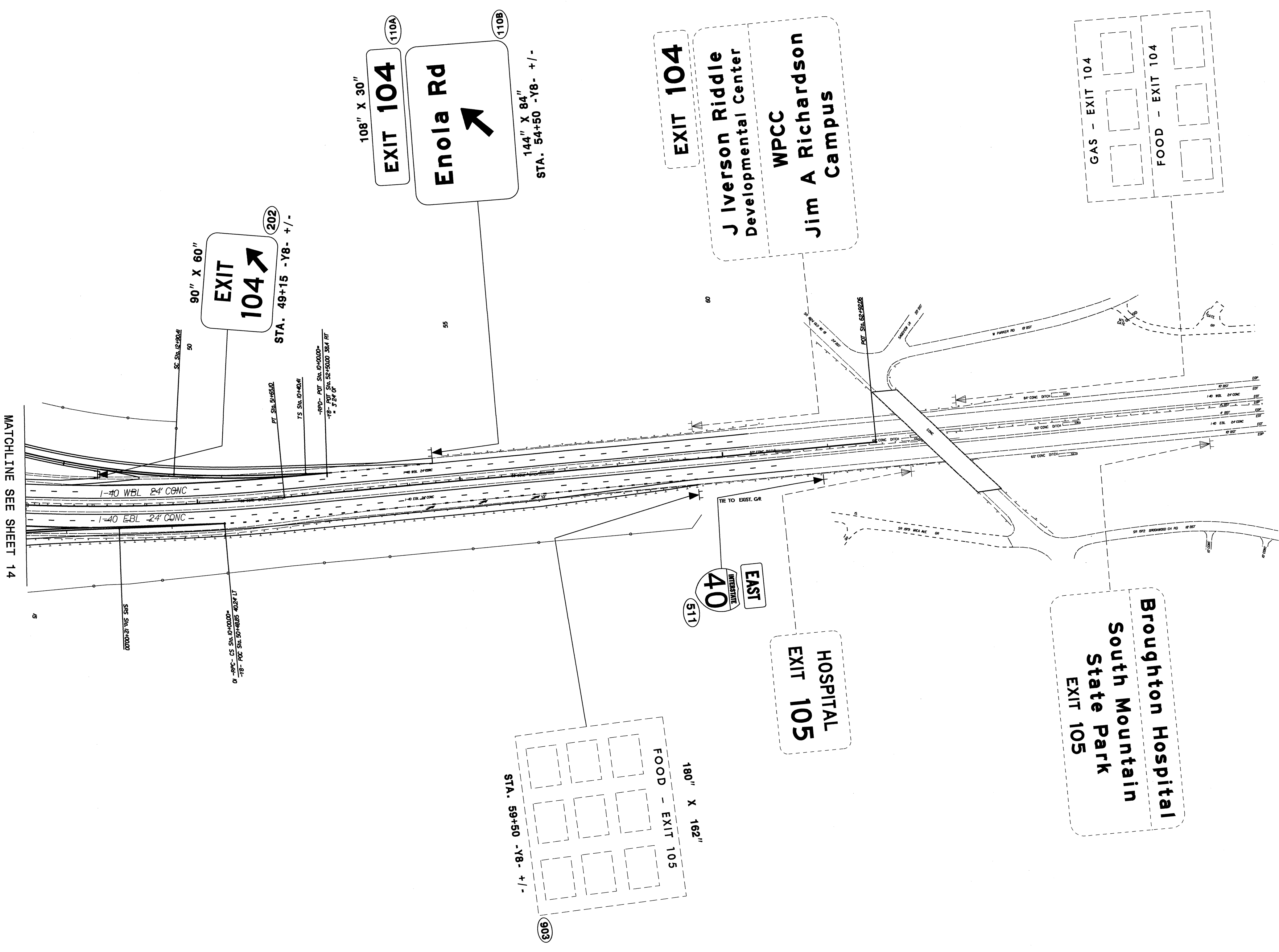
SEAL
022959
ENGINEER
RONALD W. KING



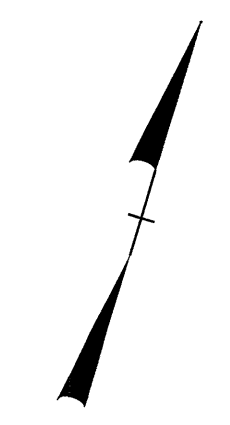
PROPOSED SIGNS

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 1/24/12 11:27:15
 Jgmar-tinez

MATCHLINE SEE SHEET 14



TIP NO. U-2551	SHEET NO. SIGN-18
APPROVED: <i>[Signature]</i>	
DATE: 1/27/12	
SEAL	



PROPOSED SIGNS