

02-SEP-2010 09:08  
 P:\TIP\Projects\R-2414B\Traffic\Signing\CADD\Quantities & GM Signs\R-2414B\_Sign\_SGN\_titleSheet.dgn  
 bnowlin - AT 12/24/10

**T.I.P.: R-2414B**

**CONTRACT: C202241**

**STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS  
 CAMDEN COUNTY**

**LOCATION: US 158-NC 34 FROM NORTH OF SR 1257  
 TO EAST OF NC 34 IN BELCROSS**



TIP NO. R-2414B	SHEET NO. SIGN-1
APPROVED: <i>Ayman Alqudwah</i>	
DATE: 9/2/10	
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
903.10	GROUND MOUNTED SIGN SUPPORTS
903.20	WOOD SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4082000000	903	SUPPORTS, WOOD	610	L.M.
4096000000	904	SIGN ERECTION, TYPE D	7	EA.
4102000000	904	SIGN ERECTION, TYPE E	52	EA.
4108000000	904	SIGN ERECTION, TYPE F	21	EA.
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD	75	EA.

**GENERAL NOTES**

- SIGNS FURNISHED BY STATE
- ALL TYPE 'B' SIGNS SHALL BE MOUNTED ON TWO WOOD POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRAFFIC CONTROL PLANS.
- WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'D', '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.
- SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

**Pay Item Notes:**

1	DISPOSAL OF SIGN SYSTEM, WOOD
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**Project Notes:**

A	REPLACE PROPOSED SIGN IN EXISTING LOCATION PLUS OR MINUS 7.5 m
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**INDEX**

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET, SUMMARY OF QUANTITIES & NOTES
SIGN-2A-2D	SIGN DESIGN SHEETS
SIGN-3	E SHEETS
SIGN-4	F AND MILEMARKER SHEETS
SIGN-5-11	SIGN DETAIL SHEETS

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

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











TIP NO. R-2414B	SIGN-2D
APPROVED: <i>[Signature]</i>	
DATE: 9/2/10	
SEAL	

SIGN NUMBER: 307 TYPE: D QUANTITY: 1 SIGN WIDTH: 1800mm HEIGHT: 1200mm TOTAL AREA: 2.2 Sq.m BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 20mm RADII: 76mm NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White <table border="1" style="font-size: small;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr> <td>ARUP</td> <td>107</td> <td>839</td> <td>150</td> <td>225</td> </tr> <tr> <td>ARUP</td> <td>92</td> <td>406</td> <td>150</td> <td>225</td> </tr> <tr> <td>ARUP</td> <td>1231</td> <td>94</td> <td>150</td> <td>225</td> </tr> </tbody> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	ARUP	107	839	150	225	ARUP	92	406	150	225	ARUP	1231	94	150	225	DESIGN BY: B. Nowlin PROJECT ID: R-2414B CHECKED BY: M. Eaton DIV: 01 DATE: Sep 01, 2010
SYMBOL	X	Y	WID	HT																		
ARUP	107	839	150	225																		
ARUP	92	406	150	225																		
ARUP	1231	94	150	225																		

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Letter locations are panel edge to lower left corner															Series/Size
C	A	M	D	E	N										Text Length
666	788	938	1091	1226	1344	1446									D 2000 793
C	O	U	R	T	H	O	U	S	E						D 2000 1262
432	564	703	841	955	1071	1206	1345	1473	1600						D 2000 1292
S	O	U	T	H		M	I	L	L	S					D 2000 680
417	541	681	805	921	1023	1173	1326	1386	1501	1606					
S	H	I	L	O	H										
344	471	609	669	782	921										

FILENAME: R-2414BSign\_Design NORTH CAROLINA D.O.T. SIGN DETAIL

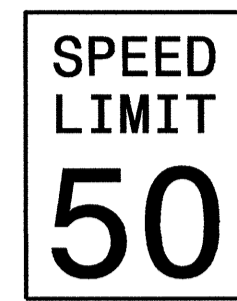
TYPE "B" SIGN

01-SEP-2010 10:55  
R:\Work\Projects\Sign Designs\R-2414BSign\_Design.dgn  
Nowlin



TIP NO. R-2414B	SHEET NO. SIGN-3
APPROVED: <i>[Signature]</i>	
DATE: 9/2/10	
SEAL	

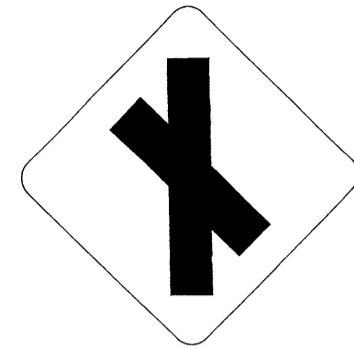
401 QUANTITY REQ'D 14



750 X 900  
R2-1

ONE "WOOD" POSTS PER SIGN

406 QUANTITY REQ'D 2



750 X 750  
W2-1A

ONE "WOOD" POSTS PER SIGN

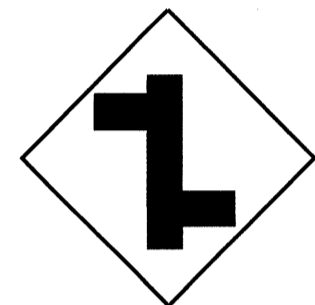
411 QUANTITY REQ'D 5



1350 X 450  
R6-1 (R)

TWO "WOOD" POSTS PER SIGN

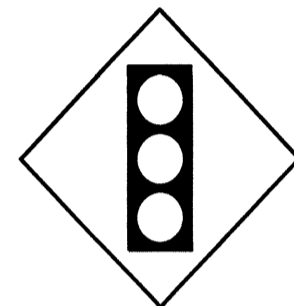
402 QUANTITY REQ'D 2



750 X 750  
W2-4a

ONE "WOOD" POSTS PER SIGN

407 QUANTITY REQ'D 3



900 X 900  
W3-3

ONE "WOOD" POSTS PER SIGN

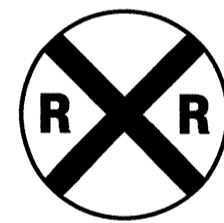
412 QUANTITY REQ'D 7



1350 X 450  
R6-1 (L)

TWO "WOOD" POSTS PER SIGN

403 QUANTITY REQ'D 7



R=450  
W10-1

ONE "WOOD" POSTS PER SIGN

408 QUANTITY REQ'D 6



750 X 750  
R1-1

ONE "WOOD" POSTS PER SIGN

404 QUANTITY REQ'D 2

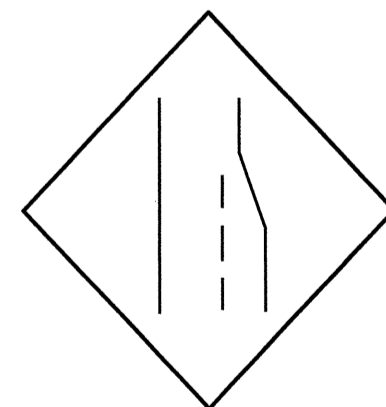


900 X 900  
S1-1

YELLOW/GREEN REFLECTIVE SHEETING

ONE "WOOD" POSTS PER SIGN

409 QUANTITY REQ'D 1



900 X 900  
W4-2(R)

ONE "WOOD" POSTS PER SIGN

405 QUANTITY REQ'D 2

SCHOOL

600 X 200  
S4-3

MOUNT ABOVE SIGN 404  
IN 2 INSTALLATIONS

410 QUANTITY REQ'D 1



900 X 900  
W9-1

ONE "WOOD" POSTS PER SIGN

NOTE: THIS DRAWING IS DIMENSIONED  
IN MILLIMETERS UNLESS OTHERWISE  
DEPICTED WITHIN THE DRAWING.

TYPE "E" SIGNS

04-SEP-2010 14:41  
P:\Projects\2010\09\04\Signs\0401\0401.dgn  
04-SEP-2010 14:41  
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0:SEP:2010 1:37  
 P:\Projects\24148\Traffic\Signing\CADD\Quantities & GV Signs\R-24148\_Sgn\_50L.titlesheet.dgn  
 50L.titlesheet.dgn

501 QUANTITY REQ'D <u>1</u>		506 QUANTITY REQ'D <u>2</u>		511 QUANTITY REQ'D <u>2</u>		516 QUANTITY REQ'D <u>1</u>				METRIC		TIP NO. R-2414B	SHEET NO. SIGN-4		
 1 - 600 X 600 1 - 525 X 375  ONE "WOOD" POST PER SIGN		 1 - 525 X 375  1 - 600 X 600  ONE "WOOD" POST PER SIGN		 2 - 600 X 300  2 - 750 X 600   2 - 525 X 375  TWO "WOOD" POST PER SIGN		 1 - 600 X 300  1 - 600 X 600  ONE "WOOD" POST PER SIGN						APPROVED: <i>[Signature]</i> DATE: 9/2/10  SEAL 			
 1 - 600 X 300  1 - 600 X 600  ONE "WOOD" POST PER SIGN		 2 - 600 X 300   2 - 600 X 600   2 - 525 X 375  TWO "WOOD" POST PER SIGN		 1 - 600 X 300  1 - 600 X 600  ONE "WOOD" POST PER SIGN											
 1 - 600 X 300   1 - 600 X 600   2 - 525 X 375  TWO "WOOD" POST PER SIGN		 1 - 525 X 375  1 - 600 X 600  ONE "WOOD" POST PER SIGN		 2 - 600 X 300   2 - 750 X 600   2 - 525 X 375  TWO "WOOD" POST PER SIGN											
 1 - 600 X 300  1 - 750 X 600  ONE "WOOD" POST PER SIGN		 1 - 600 X 300  1 - 750 X 600  ONE "WOOD" POST PER SIGN		 1 - 600 X 300  1 - 600 X 600  ONE "WOOD" POST PER SIGN											
 1 - 525 X 375  1 - 750 X 600  ONE "WOOD" POST PER SIGN		 1 - 600 X 300  1 - 600 X 300  1 - 600 X 600  1 - 525 X 375  2 - 600 X 300   2 - 600 X 600   2 - 525 X 375  TWO "WOOD" POST PER SIGN		 1 - 600 X 300  1 - 600 X 600  ONE "WOOD" POST PER SIGN											

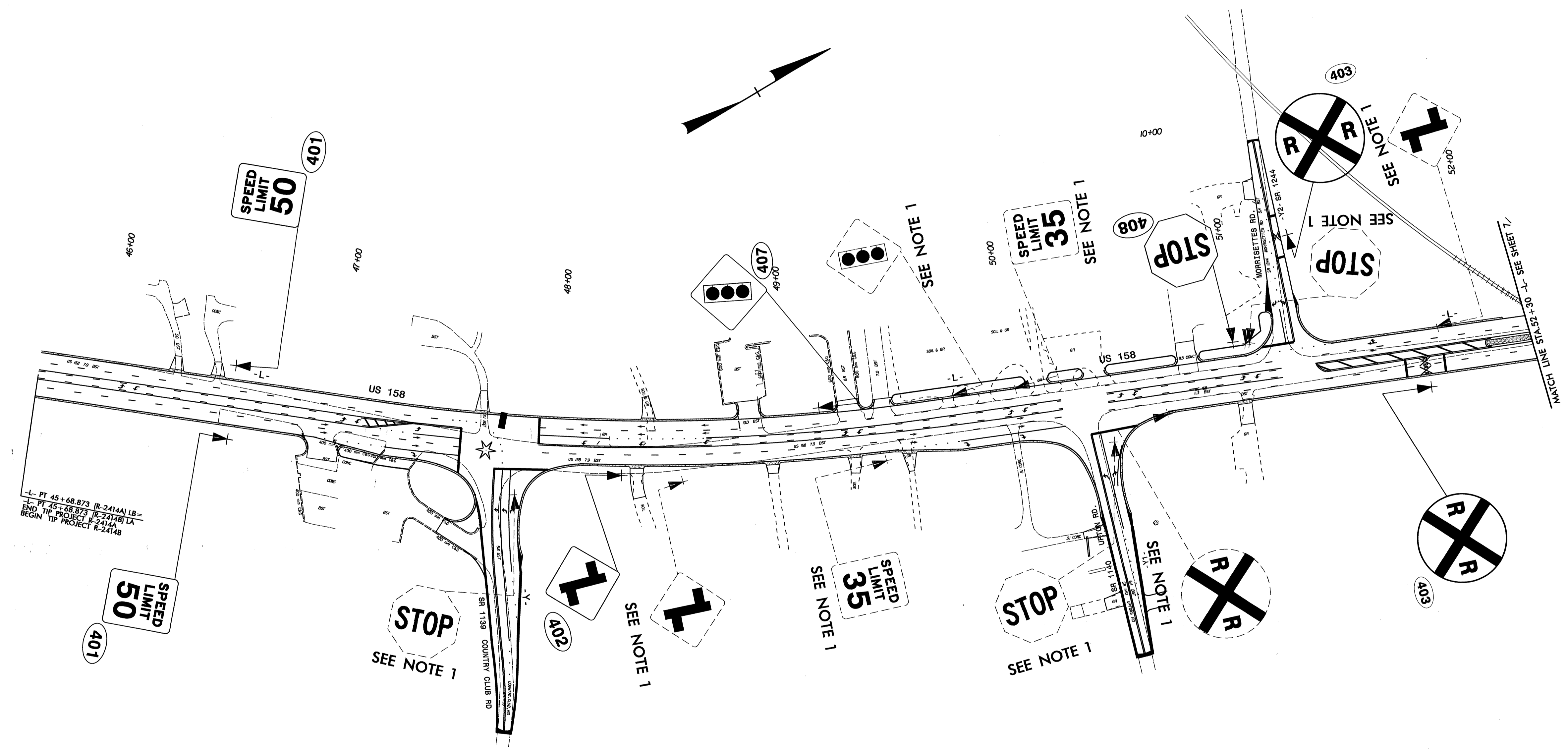
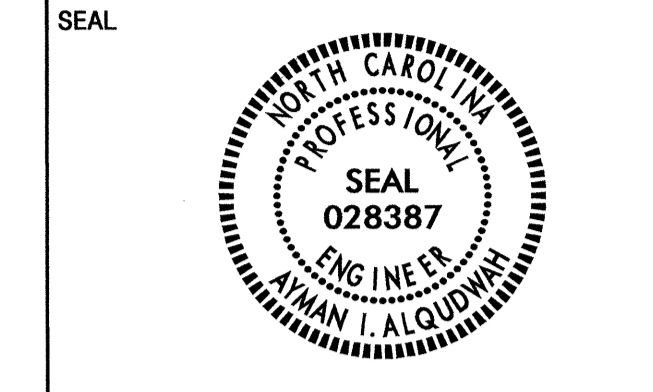
NOTE: THIS DRAWING IS DIMENSIONED IN MILLIMETERS UNLESS OTHERWISE DEPICTED WITHIN THE DRAWING.

## TYPE "F" SIGNS





TIP NO.  
R-2414B SIGN-5  
APPROVED: *[Signature]*  
DATE: 9/2/10



-L- PT 45+68.873 (R-2414A) LB-  
-L- PT 45+68.873 (R-2414B) LA  
END TIP PROJECT R-2414A  
BEGIN TIP PROJECT R-2414B

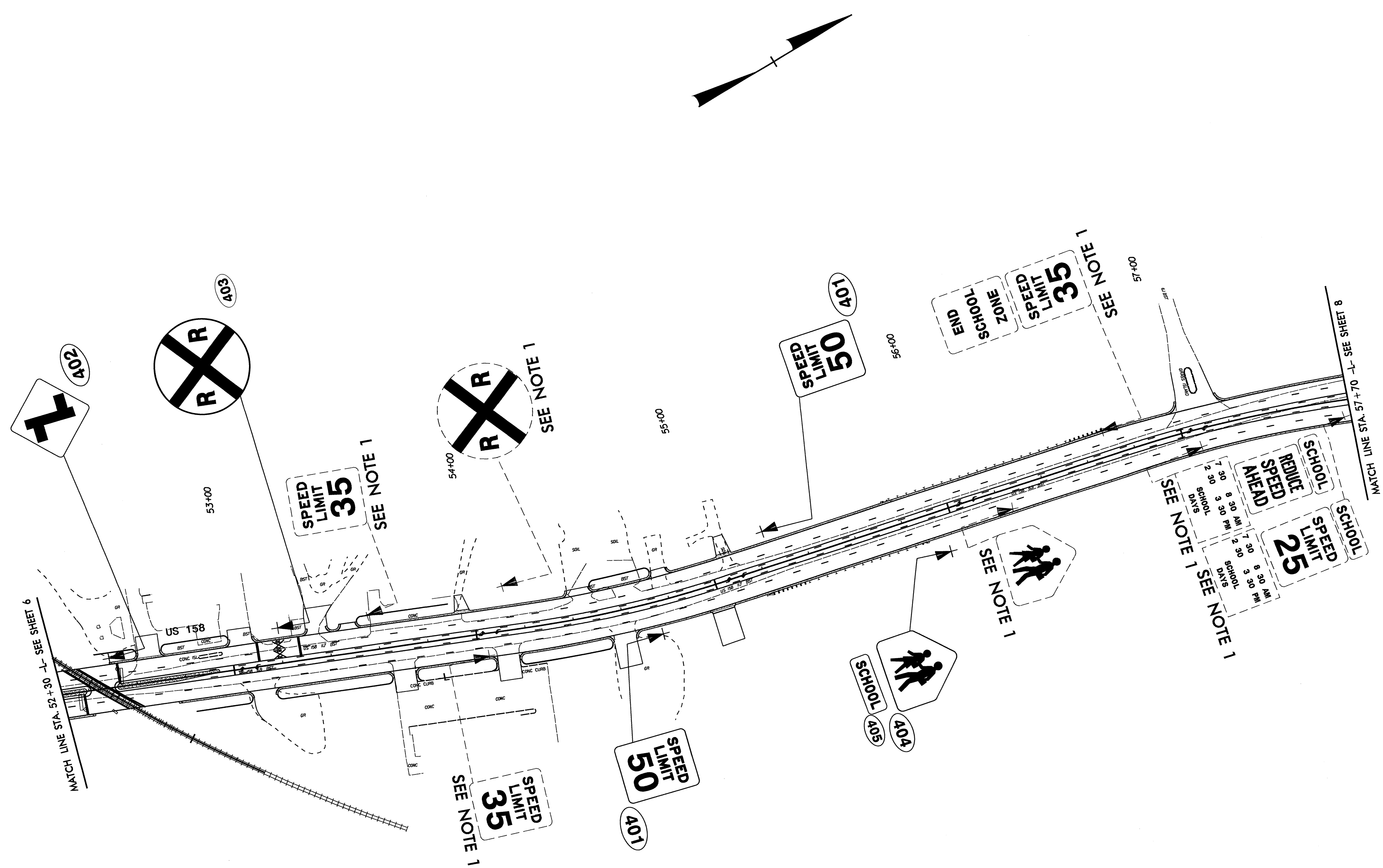
EXISTING SIGNS & PROPOSED SIGNS  
-L- STA. 45+68.873 TO -L- STA. 52+30

02-SEP-2010 09:03  
P:\TIP-Proj\Signing\CADD\Signing Layout Plans\R-2414B\_Sign\_5.dgn  
User: [Name]





TIP NO. R-2414B	SIGN-6
APPROVED: <i>[Signature]</i>	
DATE: 9/2/10	
SEAL	



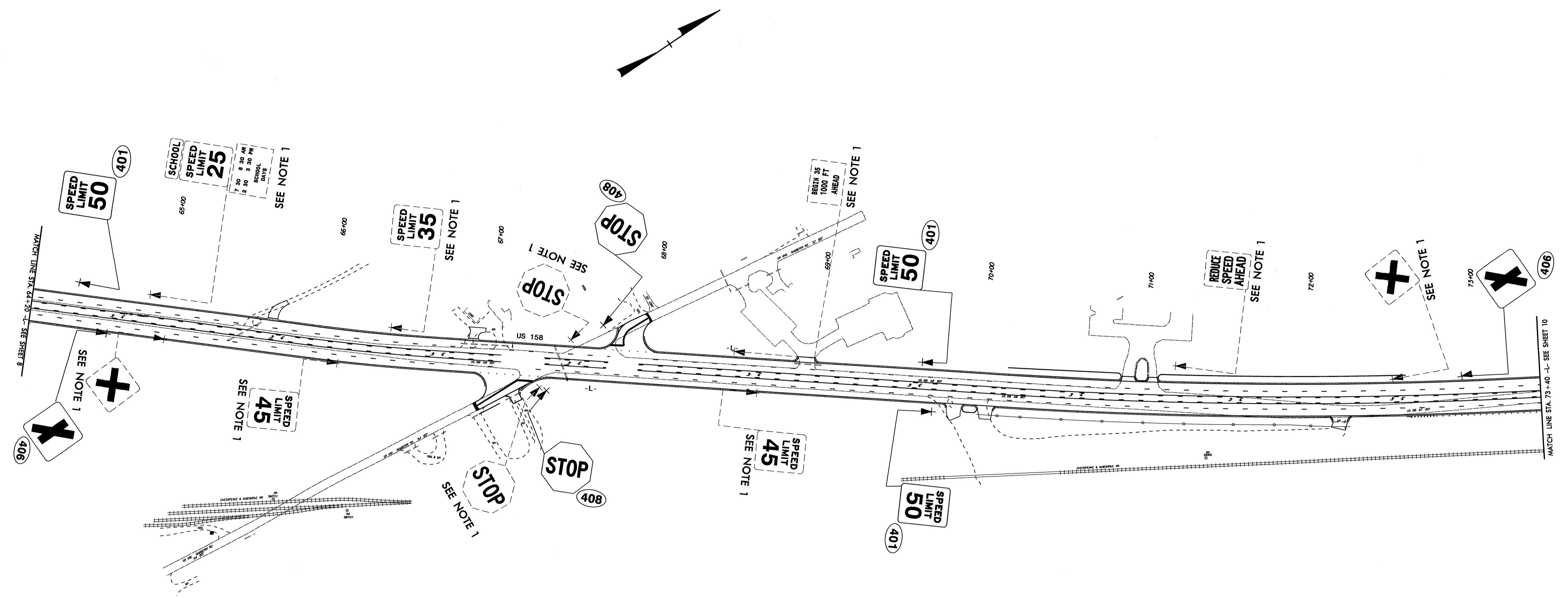
EXISTING SIGNS & PROPOSED SIGNS  
-L- STA. 52+30 TO -L- STA. 57+70

01-SEP-2010 11:53  
P:\TIP-0148\Signing\0400\Signing Layout Plans\1-2414B\_Sgn\_7.dgn  
alan.i.alquist





TIP NO. R-2414B	SIGN-8
APPROVED: <i>[Signature]</i>	
DATE: 9/2/10	
SEAL	

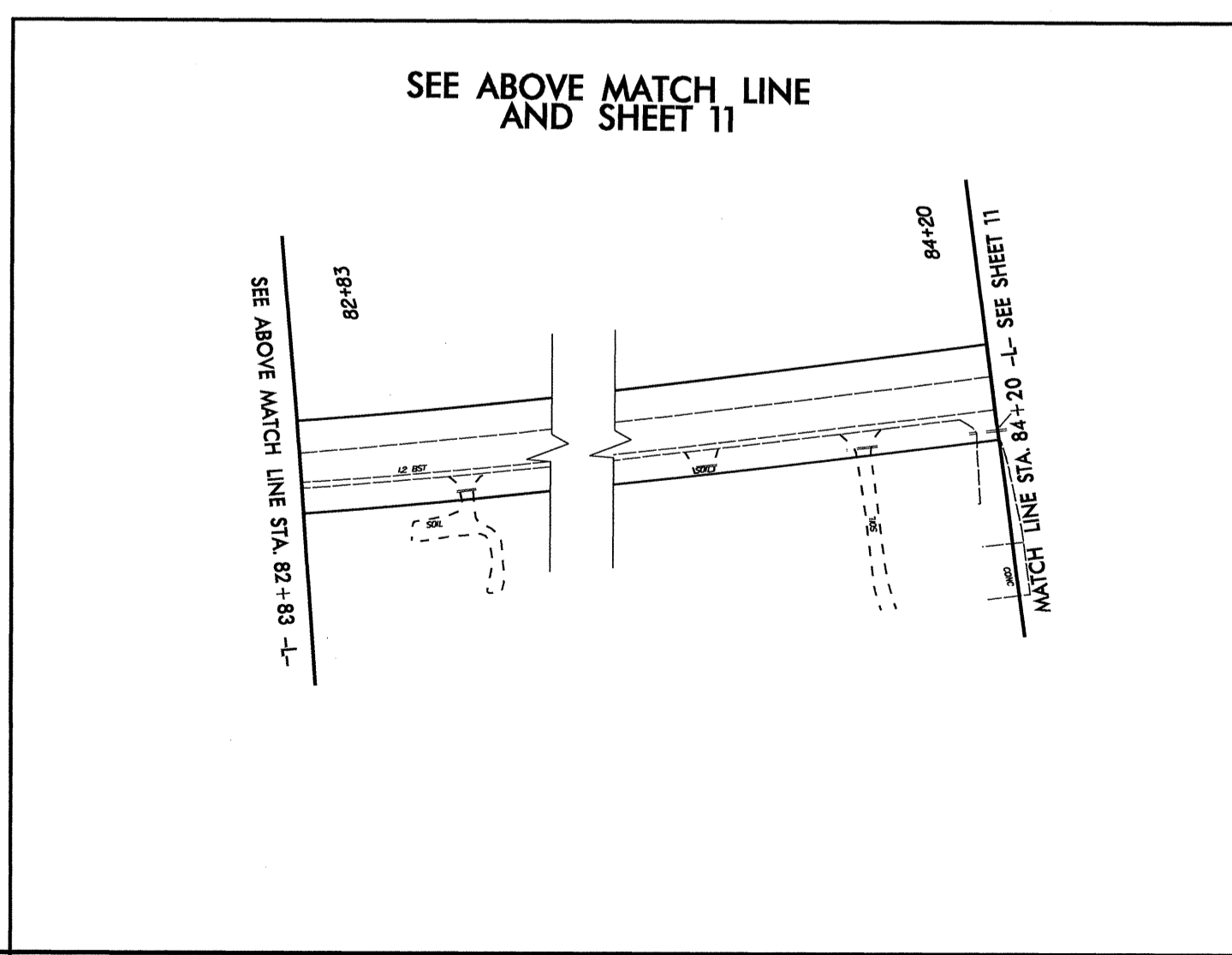
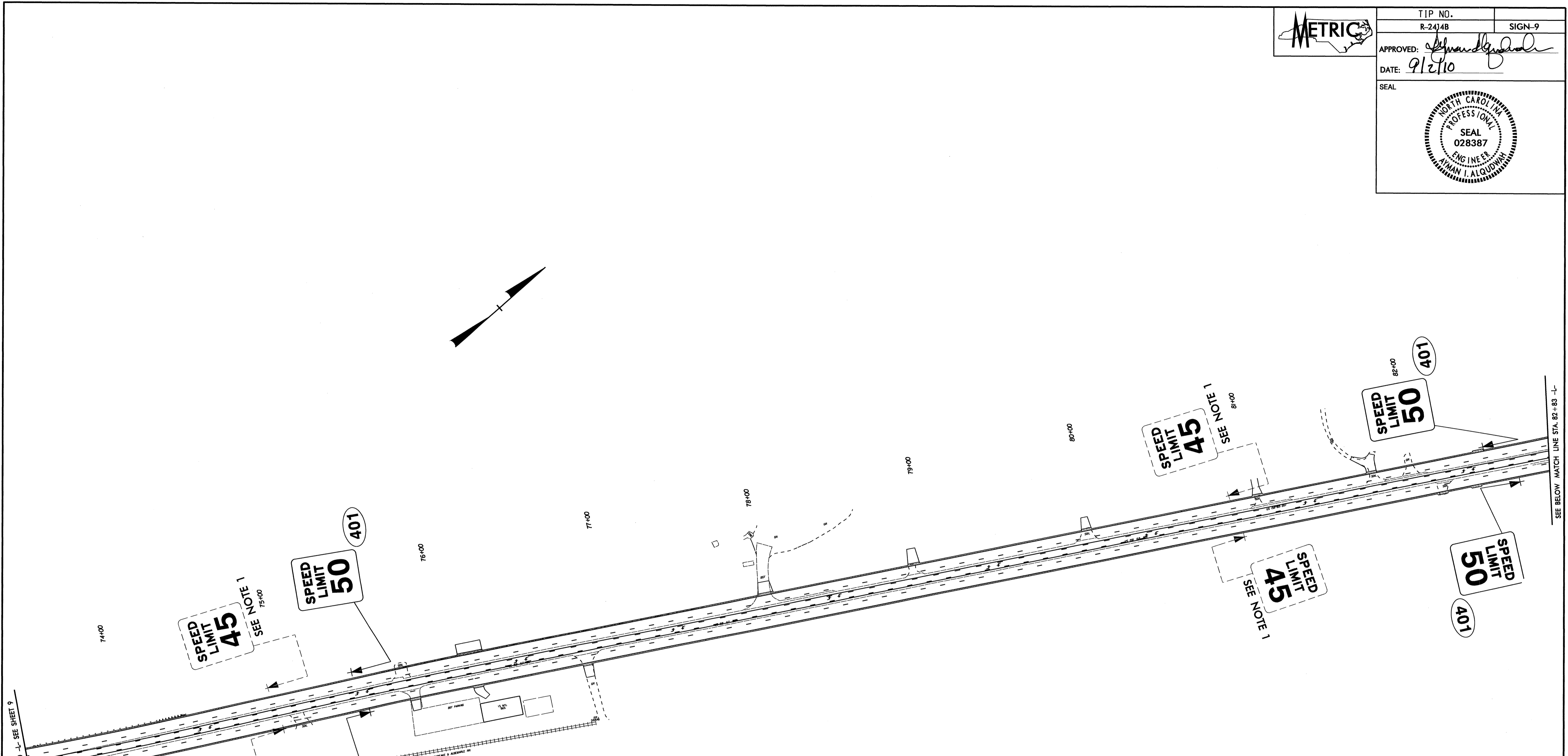


EXISTING SIGNS & PROPOSED SIGNS  
 -L- STA. 64+20 TO -L- STA. 73+40

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 9/2/10 11:24:55  
 Yaman I. Alqudwahi



TIP NO. R-244B	SIGN-9
APPROVED: <i>[Signature]</i>	
DATE: 9/2/10	
SEAL	



EXISTING SIGNS & PROPOSED SIGNS  
 -L- STA. 73+40 TO -L- STA. 84+20

9:\SEF\2010\2428\0244B\Traffic\Signing\CD\Signing Layout Plans\R-244B\_Sgn\_3.dgn  
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 WIA

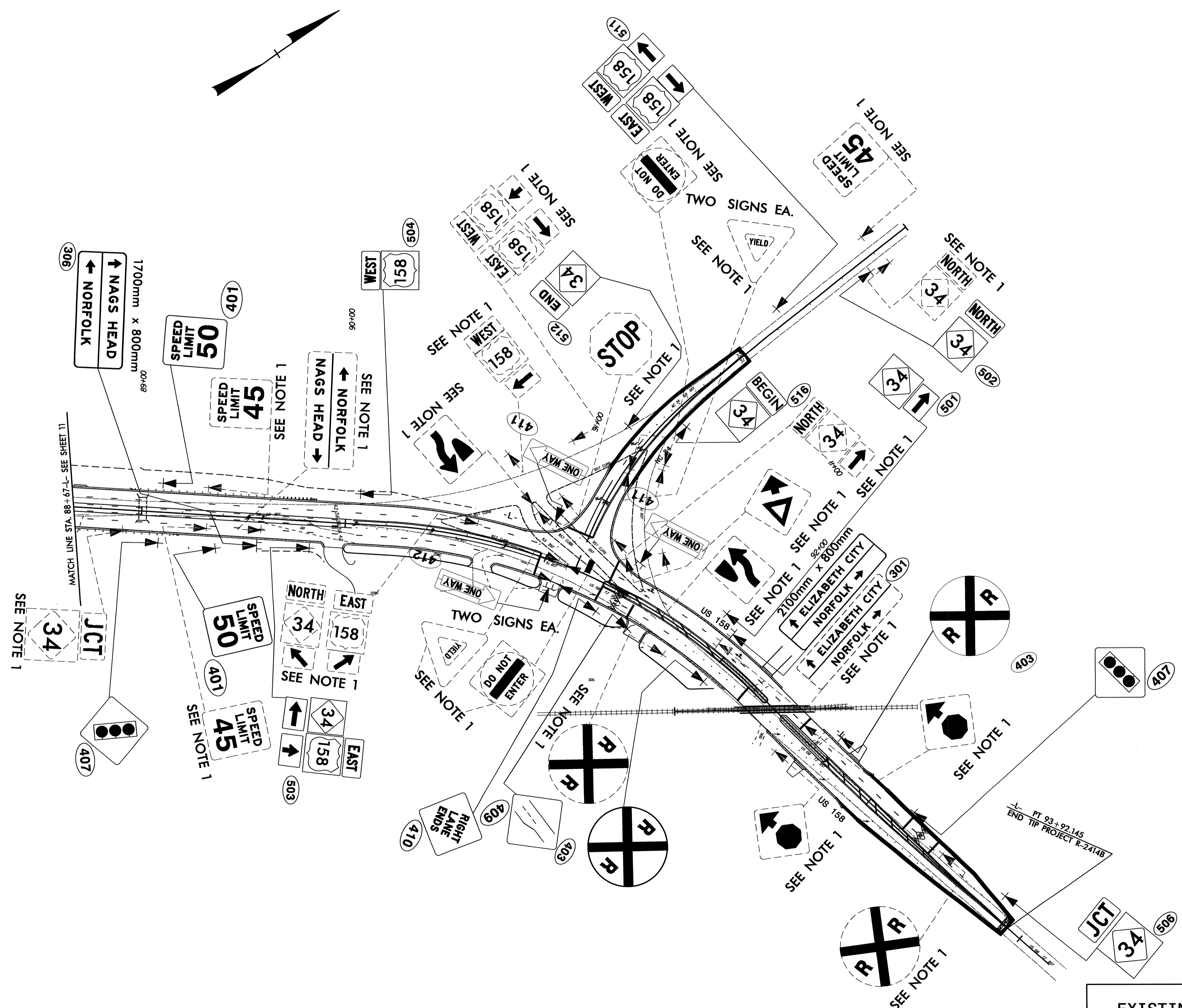
01







TIP NO.	R-2414B	SIGN-11
APPROVED:	<i>[Signature]</i>	
DATE:	9/2/10	
SEAL		



EXISTING SIGNS & PROPOSED SIGNS  
 -L- STA. 88+67 TO -L- STA. 93+92.145

09-SEP-2010 12:08  
 P:\VTP\Projects\2414B\Signing\CADD\Signing Layout\Plans\2414B\_Sgn\_11.dgn  
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