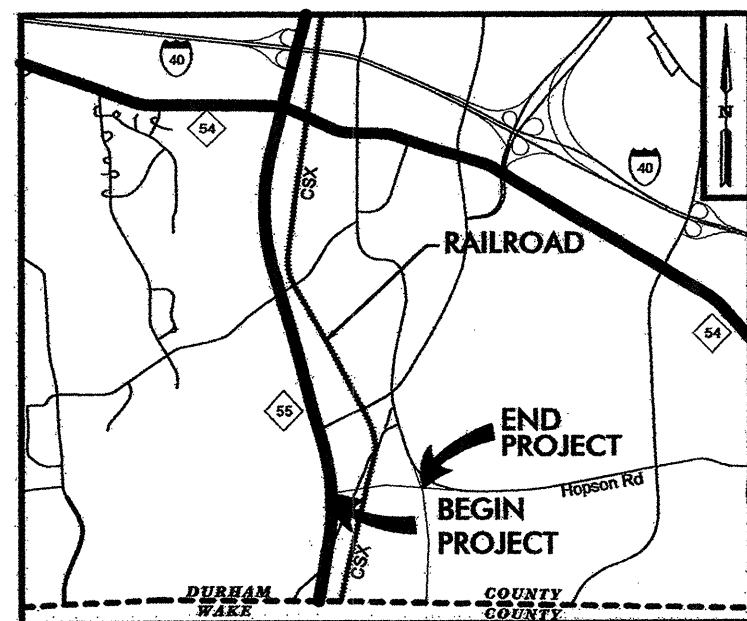


8/17/95

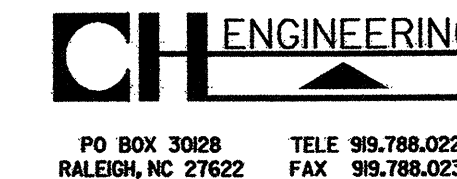
T.I.P.: U-4410DB

CONTRACT:



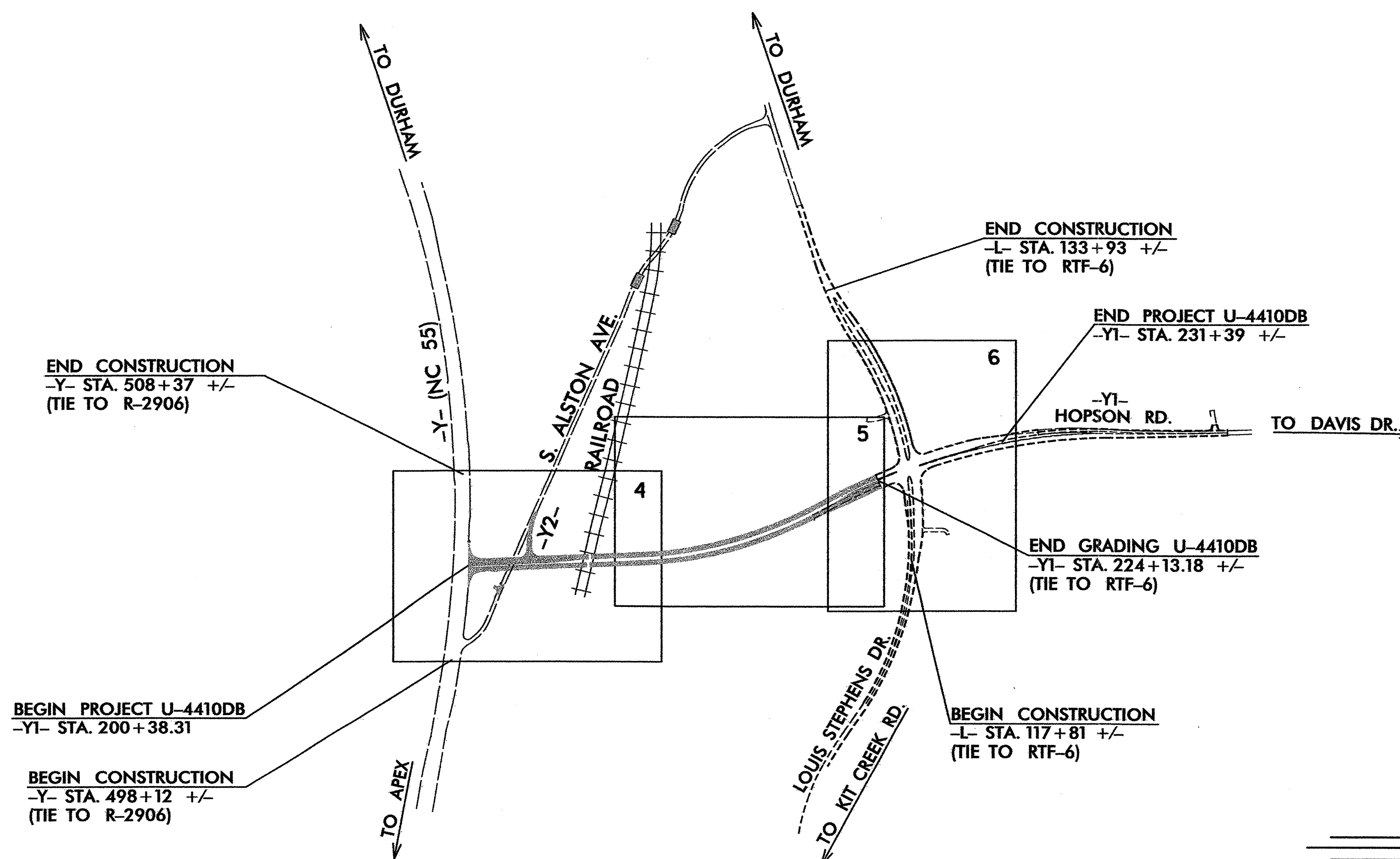
**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

TIP NO. SHEET NO.
U-4410DB SIGN - 1



**SIGNING PLANS
DURHAM COUNTY**

LOCATION: HOPSON ROAD FROM NC 55 TO LOUIS STEPHENS DRIVE



INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUMMARY OF QUANTITIES
3	GENERAL NOTES, TYPE "E" & "F" SIGNS
4 - 6	SIGN ROADWAY SHEETS

PLAN REVIEWED BY: N.C.D.O.T. SIGNING SECTION Ron King, PE SIGNING ENGINEER Ayman Alqudwah, PE SIGNING PROJECT ENGINEER Mitch Eaton SIGNING PROJECT DESIGN ENGINEER SIGNING DESIGN ENGINEER SIGNING DESIGNER	SEAL 	PLAN PREPARED FOR N.C.D.O.T. BY: PROJECT ENGINEER T. R. Hepler, PE PROJECT DESIGN ENGINEER R. B. Early, PE PROJECT DESIGNER J. T. Davis
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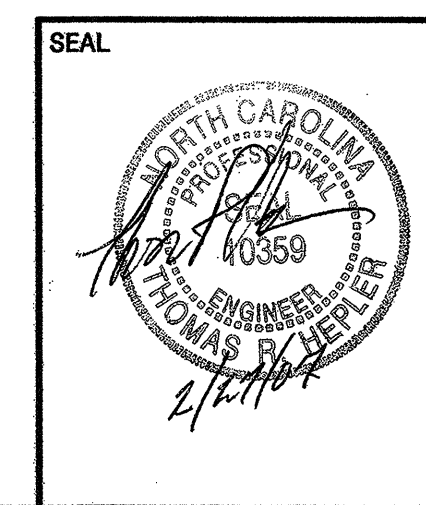


SIGNS SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT	ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT	ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.				DESC. NO.	SECT. NO.				DESC. NO.	SECT. NO.			
0001000000	800	MOBILIZATION		L.S.	4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	5	EA.	4251000000	SP	OVERHEAD FOOTINGS		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE A SIGN		S.F.	4192000000	907	STOCKPILE SIGN, A OR B (OVERHEAD)		EA.	4251000000	SP	OVERHEAD FOOTINGS		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE B SIGN		S.F.	4228000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)		EA.	4251000000	SP	OVERHEAD FOOTINGS		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN		S.F.	4234000000	907	STOCKPILE SIGN, A OR B (GROUND MOUNTED)		EA.	4251000000	SP	OVERHEAD FOOTINGS		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	218.9	S.F.	4235000000	907	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)		EA.	4251000000	SP	OVERHEAD FOOTINGS		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN	16.6	S.F.	4236000000	907	STOCKPILE SIGN, D, E OR F		EA.	4251000000	SP	OVERHEAD FOOTINGS		EA.
4025000000	901	CONTRACTOR FURNISHED, OVERLAYS SIGN		S.F.	4237000000	907	DISPOSAL OF SIGN, D, E OR F	4	EA.	4251000000	SP	OVERHEAD FOOTINGS		EA.
4025000000	901	CONTRACTOR FURNISHED, MILEMARKER SIGN		S.F.	4238000000	907	STOCKPILE SIGN, MILEMARKERS		EA.	4251000000	SP	OVERHEAD FOOTINGS		EA.
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION		C.Y.	4237500000	907	DISPOSAL OF SIGN, MILEMARKERS		EA.	4251000000	SP	OVERHEAD FOOTINGS		EA.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM		LB.	4238500000	907	STOCKPILE LIGHTING FIXTURES		EA.	4251000000	SP	OVERHEAD FOOTINGS		EA.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM		LB.	4252000000	907	DISPOSAL OF LIGHTING FIXTURES		EA.	4251000000	SP	OVERHEAD FOOTINGS		EA.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	617	L.F.	4258000000	907	STOCKPILE WALKWAY		EA.	4355000000	SP	DYNAMIC MESSAGE SIGN SYSTEM INTEGRATION		L.S.
4078000000	903	SUPPORTS, 2 LB STEEL U-CHANNEL		EA.	4262000000	907	DISPOSAL OF WALKWAY		EA.	4355100000	SP	DYNAMIC MESSAGE SIGN SYSTEM "DMS-***"		L.S.
4079000000	903	SUPPORTS, BARRIER (SMALL)		EA.	4263000000	907	DISPOSAL OF SIGN, OVERLAY (OVERHEAD)		EA.	4355100000	SP	DYNAMIC MESSAGE SIGN SYSTEM "DMS-***"		L.S.
4080000000	903	SUPPORTS, BARRIER (LARGE)		EA.	4241000000	907	DISPOSAL OF SIGN, OVERLAY (GROUND MOUNTED)		EA.	4355200000	SP	DMS SYSTEM SERVER COMPUTER		EA.
4080200000	903	SUPPORTS, STEEL SQUARE TUBE		L.F.	4242000000	907	STOCKPILE LIGHTING SYSTEM		EA.	4355210000	SP	DMS SYSTEM CLIENT COMPUTER		EA.
4082000000	903	SUPPORTS, WOOD		L.F.	4250000000	907	DISPOSAL OF LIGHTING SYSTEM		EA.	4355220000	SP	DMS SYSTEM LAPTOP COMPUTER		EA.
4096000000	904	SIGN ERECTION, TYPE D		EA.	4081000000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION " "		L.S.	4355230000	SP	DMS SYSTEM CONTROL SOFTWARE		EA.
4102000000	904	SIGN ERECTION, TYPE E	32	EA.	4057000000	SP	OVERHEAD SIGN ASSEMBLY AT STA *****		C.Y.	4355300000	SP	DYNAMIC MESSAGE SIGN MAINTENANCE TRAINING		EA.
4108000000	904	SIGN ERECTION, TYPE F	4	EA.	4082200000	SP	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-***"		L.S.	4355310000	SP	DYNAMIC MESSAGE SIGN SYSTEM DESIGN APPROVAL TESTS		EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)		EA.	4083200000	SP	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-***"		L.S.	4355320000	SP	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FACTORY TESTS		L.S.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD)		EA.	4083200000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.	4355330000	SP	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FIELD TESTS		L.S.
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4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.	4355350000	SP	DYNAMIC MESSAGE SIGN SYSTEM NTCIP TESTS		EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4114000000	904	SIGN ERECTION, MILEMARKERS		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4115000000	904	SIGN ERECTION, OVERLAY (OVERHEAD)		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4116000000	904	SIGN ERECTION, OVERLAY (GROUND MOUNTED)		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (OVERHEAD)		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE B (OVERHEAD)		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE B (GROUND MOUNTED)		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
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4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE F		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN MILEMARKERS		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4116200000	904	SIGN ERECTION, REPOSITION OVERHEAD		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4116300000	904	SIGN ERECTION, LOGO TO PANEL		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4116400000	904	SIGN ERECTION, LOGO TRAILBLAZER		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4116500000	904	SIGN ERECTION, WALKWAY		L.F.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4132000000	907	STOCKPILE SUPPORT, STEEL BEAM		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4140000000	907	STOCKPILE SUPPORT, WOOD		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4141000000	907	DISPOSAL OF SUPPORT, WOOD		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4142000000	907	STOCKPILE SUPPORT, OVERHEAD STRUCTURE		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4143000000	907	DISPOSAL OF SUPPORT, OVERHEAD STRUCTURE		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4148000000	907	STOCKPILE SIGN SYSTEM, OVERHEAD		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4151000000	907	STOCKPILE SIGN SYSTEM, STEEL BEAM		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4154000000	907	STOCKPILE SIGN SYSTEM, U-CHANNEL		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4157000000	907	STOCKPILE SIGN SYSTEM, WOOD		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD		EA.	4128000000	SP	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****		L.S.					
4186000000	907	STOCKPILE SUPPORT, U-CHANNEL		EA.	4251000000	SP	OVERHEAD FOOTINGS		EA.					

ROADWAY STANDARD DRAWINGS
APPLICABLE TO THESE SIGNING PLANS

904.10
904.50



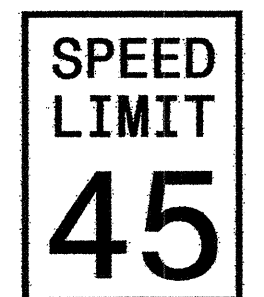
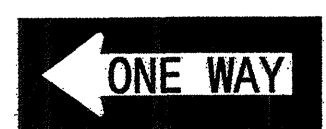
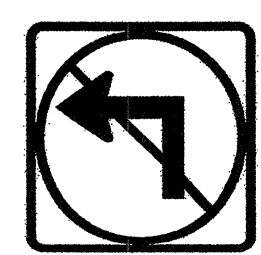
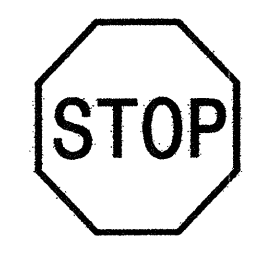
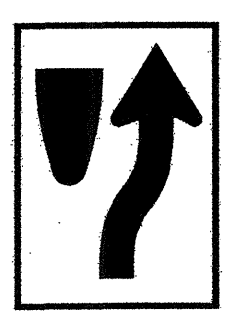
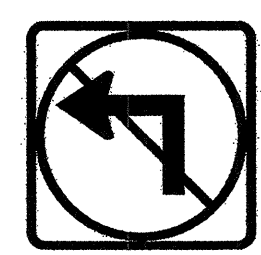

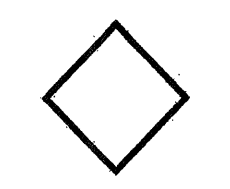
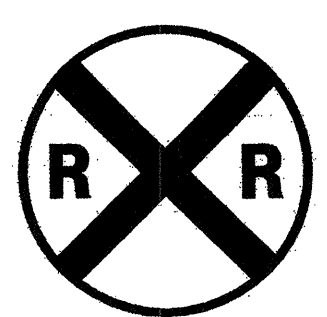

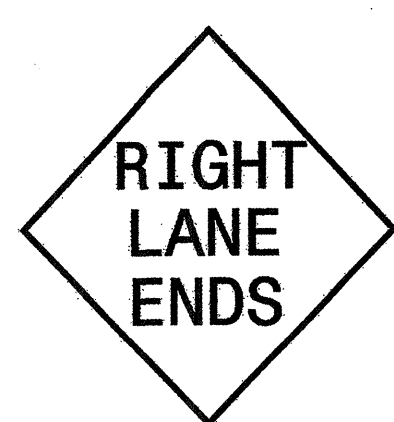


SUMMARY OF QUANTITIES

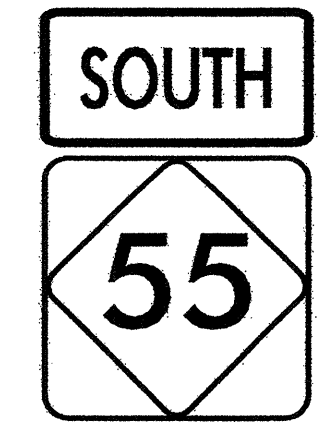
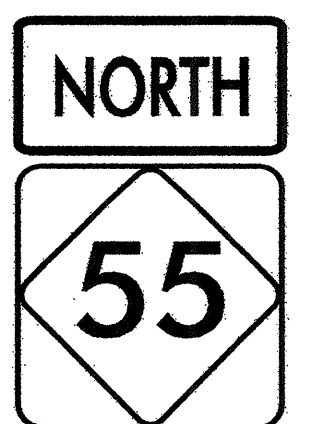
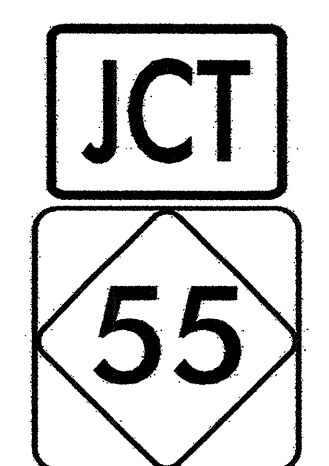
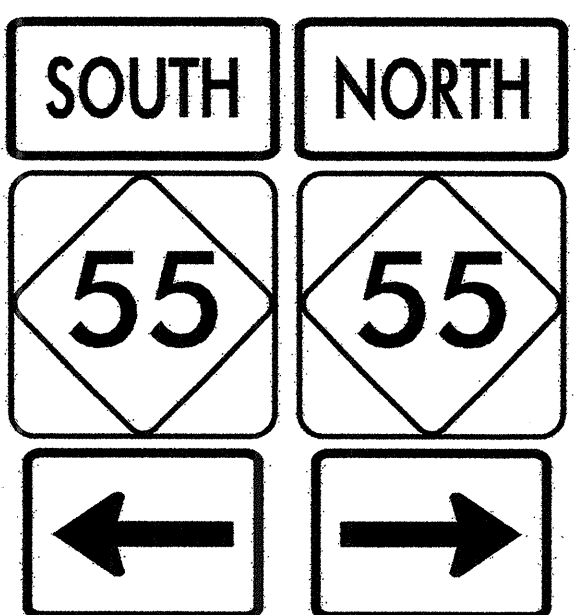
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DATE	FEB 21, 2007			
SIGNING DESIGN ENG	J. DAVIS	DIVISION OF HIGHWAYS		
SIGNING PROJECT DGN ENG	R. EARLY		TRAFFIC ENGINEERING	
SIGNING PROJECT ENG	T. HEPLER		BRANCH	

TYPE "E" SIGNS

TYPE "F" SIGNS

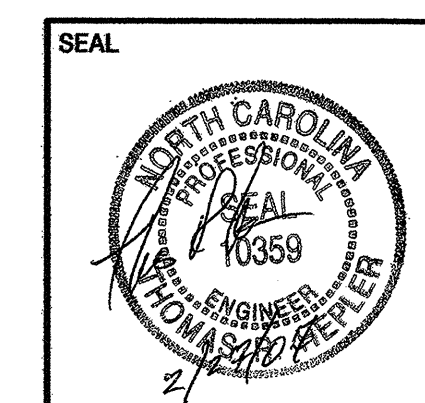


<p>QUANTITY REQ'D <u>2</u></p>  <p>30 X 36 R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>QUANTITY REQ'D <u>1</u></p>  <p>54 X 18 R6-1 (L)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>QUANTITY REQ'D <u>2</u></p>  <p>24 X 24 R3-2</p> <p>ONE "U" POST PER SIGN</p>
<p>QUANTITY REQ'D <u>1</u></p>  <p>30 X 30 R1-1</p> <p>ONE "U" POST PER SIGN</p>	<p>QUANTITY REQ'D <u>4</u></p>  <p>24 X 30 R4-7</p> <p>ONE "U" POST PER SIGN</p>	<p>QUANTITY REQ'D <u>1</u></p>  <p>24 X 24 R3-2</p> <p>MOUNT BELOW SIGN R1-1 IN 1 INSTALLATION</p>
<p>QUANTITY REQ'D <u>7</u></p>  <p>36 X 24 R5-1a</p> <p>ONE "U" POST PER SIGN</p>	<p>QUANTITY REQ'D <u>4</u></p>  <p>18 X 18 W23-15</p> <p>MOUNT BELOW SIGN R4-7 IN 4 INSTALLATIONS</p>	<p>QUANTITY REQ'D <u>2</u></p>  <p>36" ROUND W10-1</p> <p>ONE "U" POST PER SIGN</p>
<p>QUANTITY REQ'D <u>8</u></p>  <p>30 X 30 R5-1</p> <p>ONE "U" POST PER SIGN</p>	<p>QUANTITY REQ'D <u>2</u></p>  <p>48 X 48 W9-1(R)</p> <p>TWO "U" POSTS PER SIGN</p>	
<p>QUANTITY REQ'D <u>1</u></p>  <p>36 X 12 R6-1 (R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>QUANTITY REQ'D <u>2</u></p>  <p>30 X 30 W14-2</p> <p>ONE "U" POST PER SIGN</p>	

<p>QUANTITY REQ'D <u>1</u></p>  <p>24" X 12" M3-3</p> <p>24" X 24" M1-6</p> <p>ONE "U" POST PER SIGN</p>	<p>QUANTITY REQ'D <u>1</u></p>  <p>24" X 12" M3-1</p> <p>24" X 24" M1-6</p> <p>ONE "U" POST PER SIGN</p>
<p>QUANTITY REQ'D <u>1</u></p>  <p>21" X 15" M2-1</p> <p>24" X 24" M1-6</p> <p>ONE "U" POST PER SIGN</p>	<p>QUANTITY REQ'D <u>1</u></p>  <p>24" X 12" M3-3</p> <p>24" X 24" M1-6</p> <p>21" X 15" M6-1 L</p> <p>24" X 12" M3-1</p> <p>24" X 24" M1-6</p> <p>21" X 15" M6-1 R</p> <p>TWO "U" POST PER SIGN</p>

General Notes:

- . SIGNS FURNISHED BY CONTRACTOR.
- . 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.
- . 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
- . 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 III REFLECTIVE SHEETING.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.



GENERAL NOTES, TYPE "E" & TYPE "F" SIGNS

SCALE	NTS	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	FEB 21, 2007		
SIGNING DESIGN ENG	J. DAVIS		
SIGNING PROJECT DGN ENG	R. EARLY		
SIGNING PROJECT ENG	T. HEPLER		

N:\MINT\Projects\Signs\U-4410DB\03_Bldg\01.dwg
 2/21/07 10:00 AM
 T. HEPLER

505+00

500+00

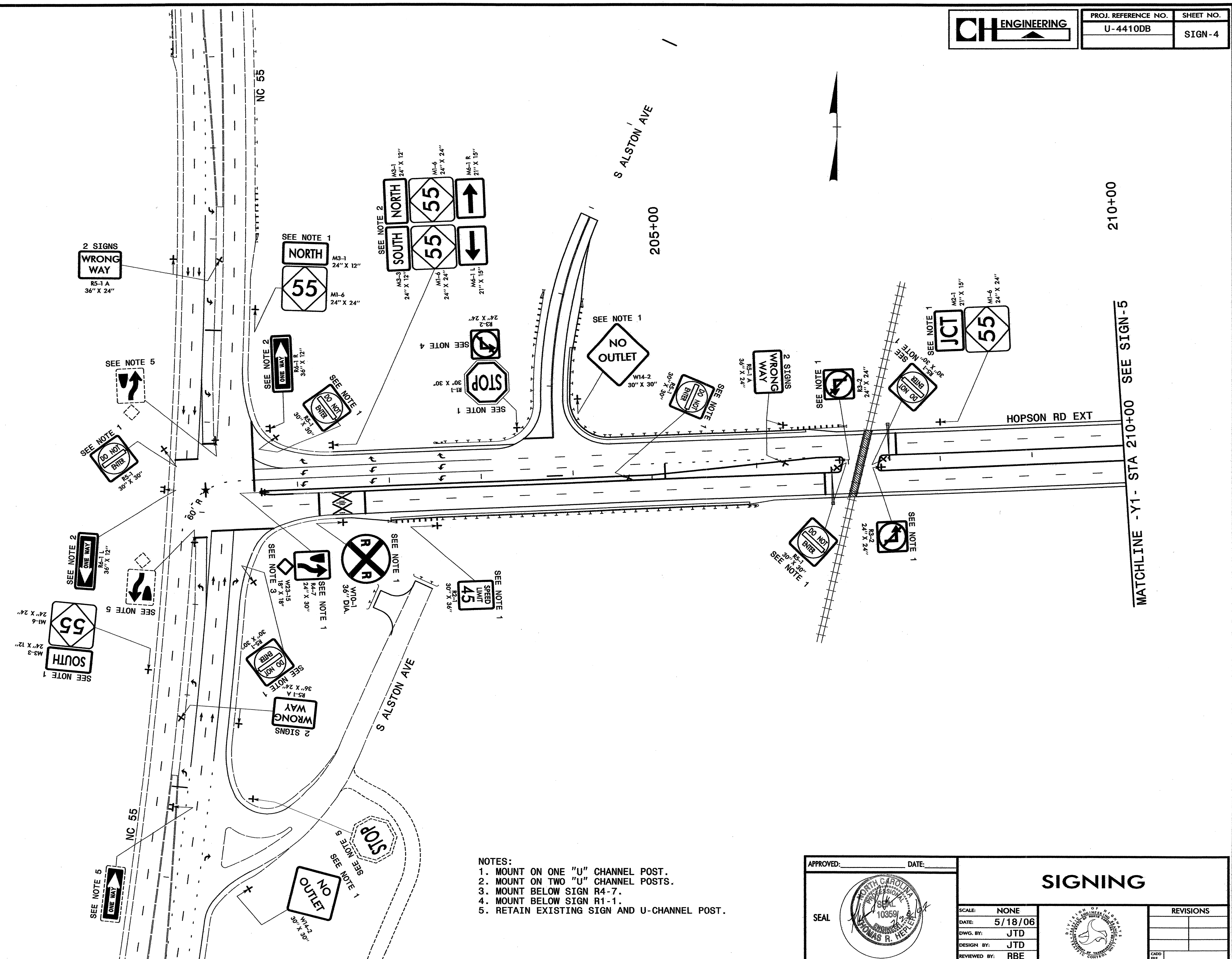
S ALSTON AVE

205+00

210+00

HOPSON RD EXT

MATCHLINE -Y1- STA 210+00 SEE SIGN-5



- NOTES:
1. MOUNT ON ONE "U" CHANNEL POST.
 2. MOUNT ON TWO "U" CHANNEL POSTS.
 3. MOUNT BELOW SIGN R4-7.
 4. MOUNT BELOW SIGN R1-1.
 5. RETAIN EXISTING SIGN AND U-CHANNEL POST.

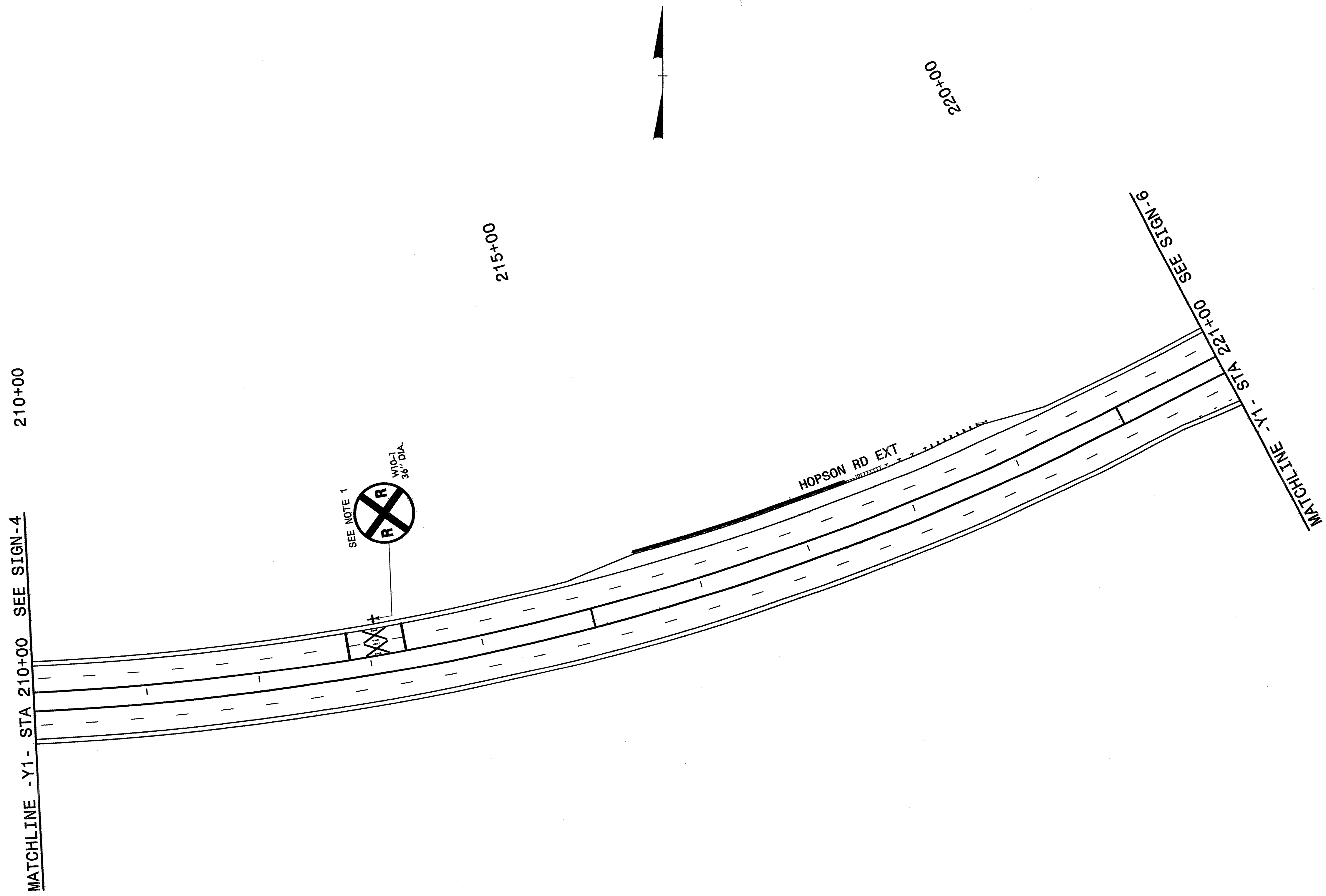
APPROVED: _____ DATE: _____

SEAL

SIGNING

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DATE: 5/18/06										
DWG. BY: JTD										
DESIGN BY: JTD										
REVIEWED BY: RBE	CADD FILE									

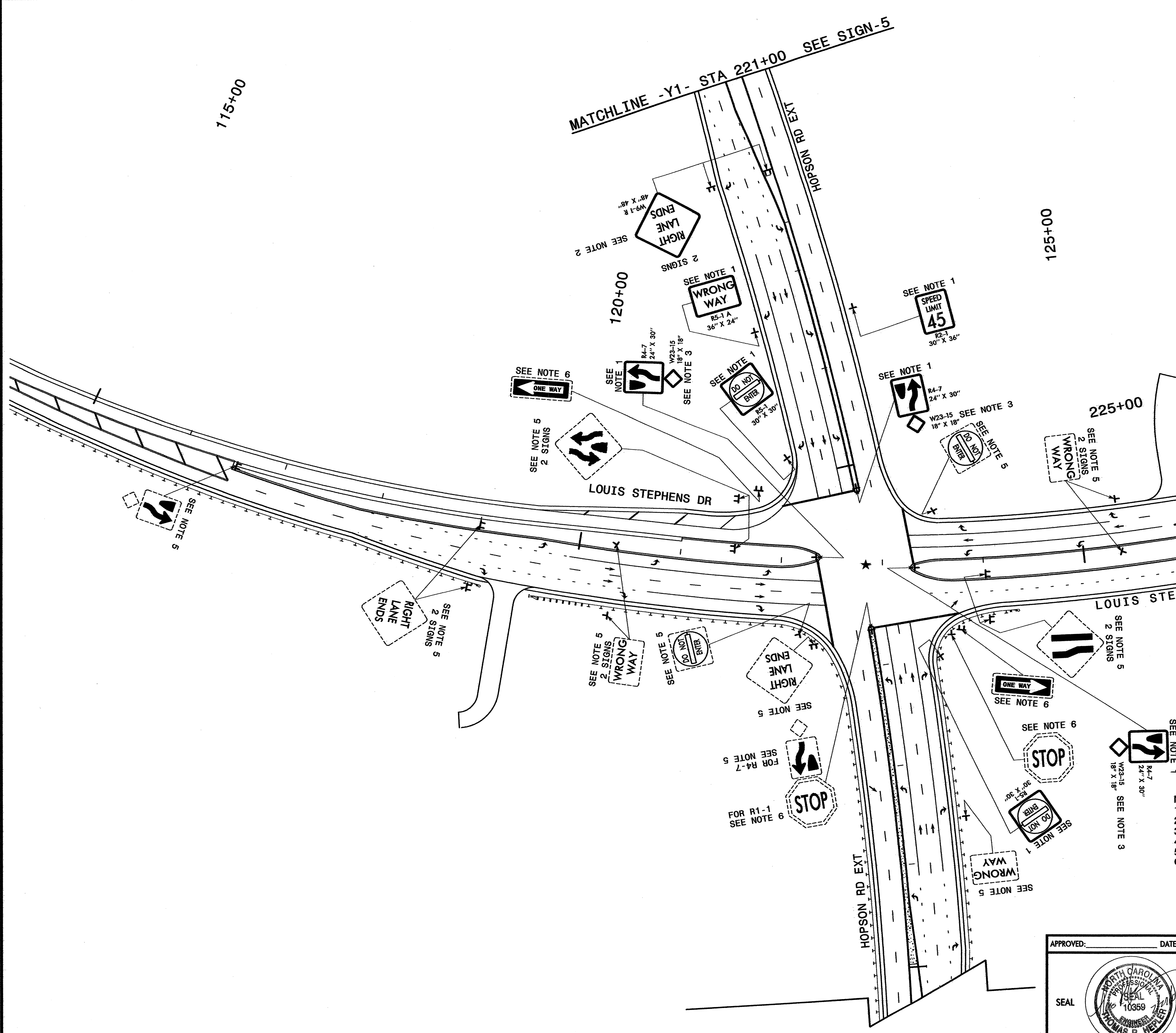
*****SYSTEM TIME*****
 *****DGN*****
 *****USER NAME*****



- NOTES:**
1. MOUNT ON ONE "U" CHANNEL POST.
 2. MOUNT ON TWO "U" CHANNEL POSTS.
 3. MOUNT BELOW SIGN R4-7.
 4. MOUNT BELOW SIGN R1-1.
 5. RETAIN EXISTING SIGN AND U-CHANNEL POST.

APPROVED:	DATE:	SIGNING							
	SCALE:			NONE					
	DATE:	5/18/06							
	DWG. BY:	JTD							
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REVISIONS									
		CADD FILE							

***** SYSTEMS *****
 ***** USER *****
 ***** USER NAME *****



- NOTES:
1. MOUNT ON ONE "U" CHANNEL POST.
 2. MOUNT ON TWO "U" CHANNEL POSTS.
 3. MOUNT BELOW SIGN R4-7.
 4. MOUNT BELOW SIGN R1-1.
 5. RETAIN EXISTING SIGN AND U-CHANNEL POST.
 6. REMOVE AND DISPOSE OF EXISTING SIGN.

APPROVED: _____	DATE: _____	SIGNING	
SCALE: NONE	DATE: 5/18/06		REVISIONS
DWG. BY: JTD	DESIGN BY: JTD		
REVIEWED BY: RBE			

***** SYSTEMS *****
 ***** ADDON *****
 ***** USERNAME *****

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