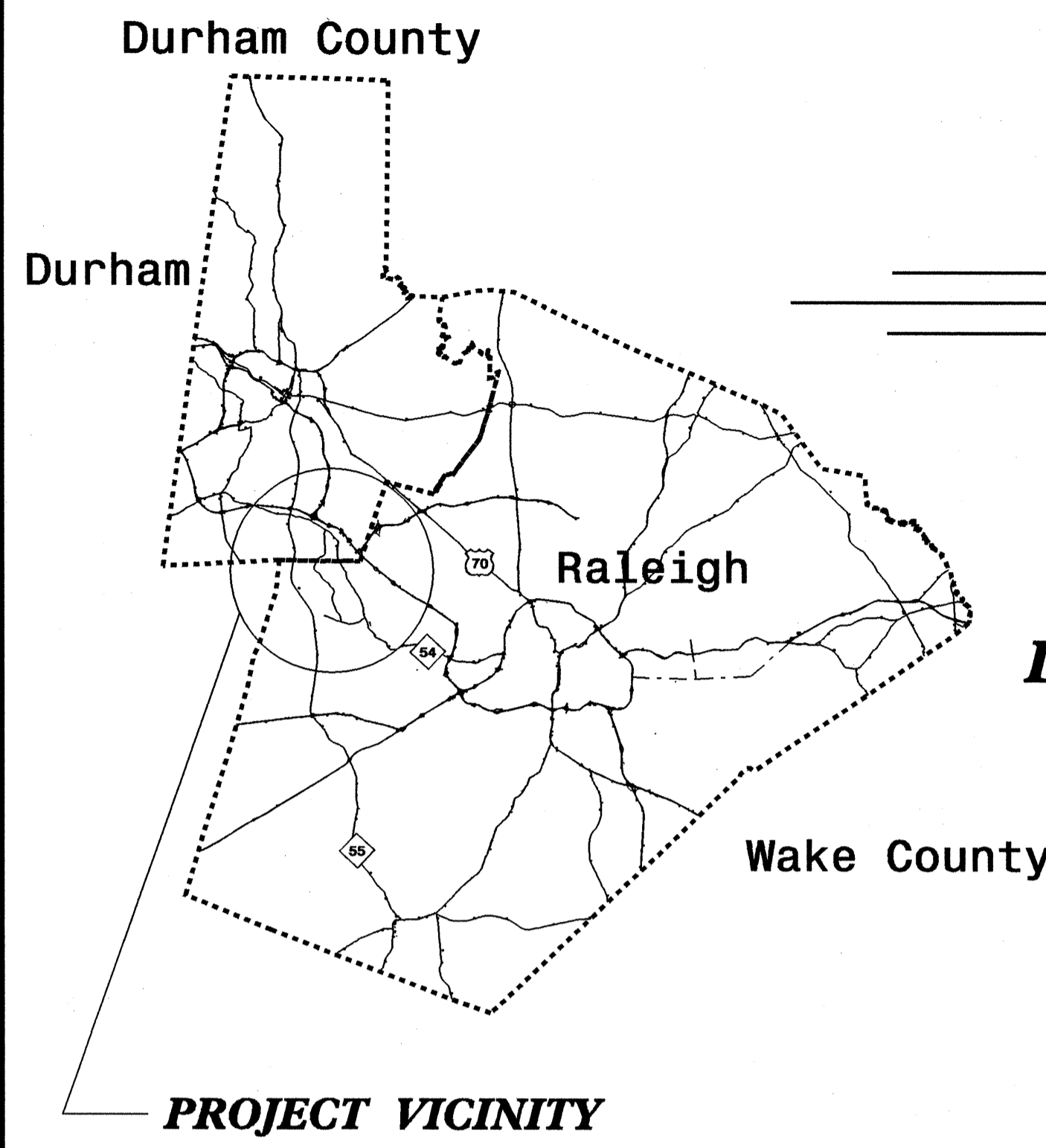


CONTRACT: C200840 TIP PROJECT: U-4026

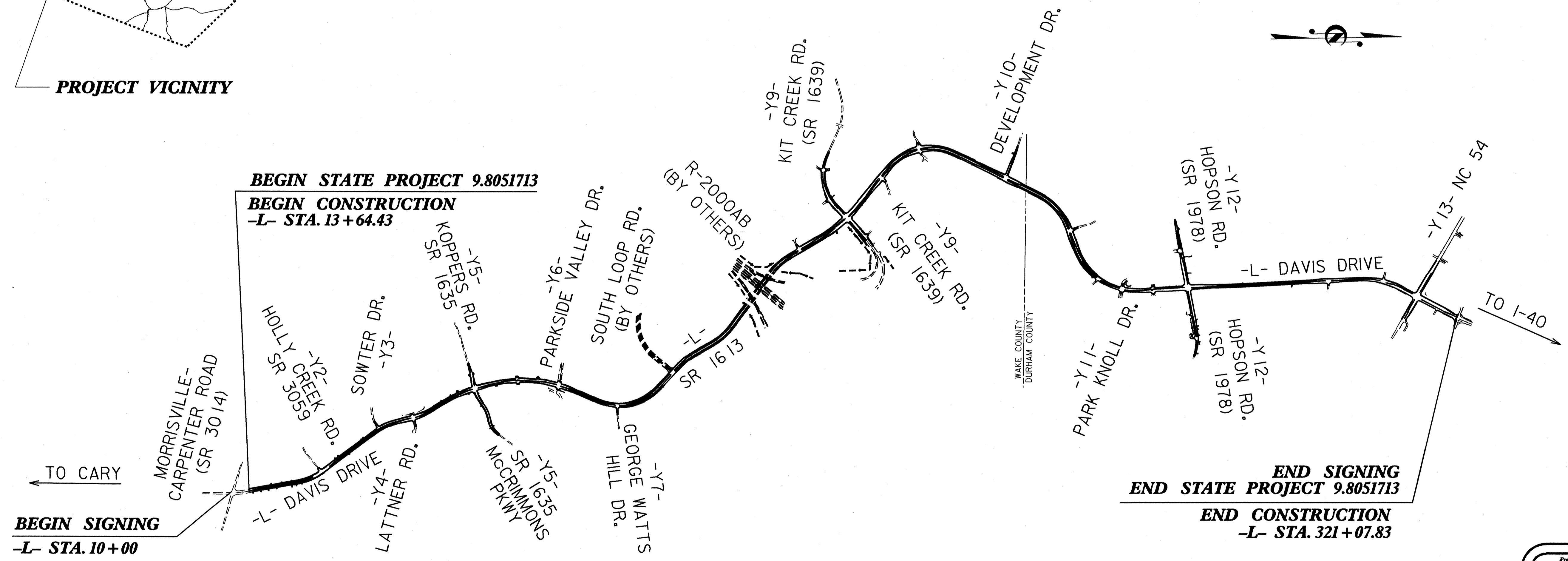
STATE	PROJECT NO.	NO.	TOTAL SHEETS
N.C.	U-4026	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
35018.1.1	-	P.E.	
35018.1.1	-	CONSTR.	

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**



**SIGNING PLANS
WAKE-DURHAM COUNTIES**

**LOCATION: DAVIS DRIVE (SR 1613/1999) FROM 390' NORTH OF
MORRISVILLE-CARPENTER ROAD (SR 3014) TO 975' NORTH
OF NC 54**



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	Title Sheet
2	Summary of Quantities
3	Notes
4	Support Information
5	E Sheet
6	F Sheet
7 to 21	Sign Roadway Sheets

**2002 ROADWAY STANDARD DRAWINGS
AND STANDARD SPECIFICATIONS**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" DATED JANUARY 2002 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED PART OF THESE PLANS:

STD. NO.	DESCRIPTION
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

LETTING DATE:
JUNE 1, 2005

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

PROJECT LENGTH:
PROJECT LENGTH = 5.8 MILES
TOTAL LENGTH = 5.8 MILES

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PLANS PREPARED BY
PBSJ 1616 E. Millbrook Road, Suite 310
Raleigh, North Carolina 27609
Phone: (919) 876-6888

J.T. BROOKS, P.E. - PROJECT MANAGER
L.M. MOON, P.E. - PROJECT ENGINEER

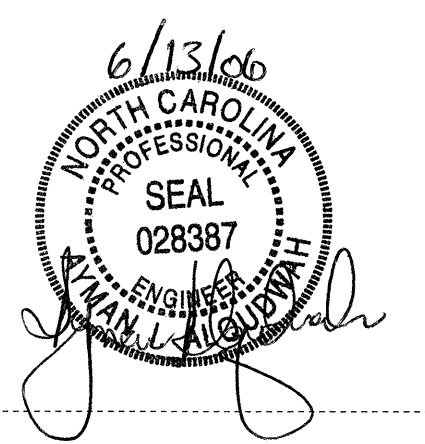
NCDOT CONTACTS:
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH

A.I. ALQUDWAH, P.E. - SIGNING CONTRACTS PROJECT ENGINEER
J.G. MARTINEZ - SIGNING CONTRACTS PROJECT DESIGN ENGINEER

Prepared for the Office of:
Traffic Engineering and Safety Systems Branch
DEPARTMENT OF TRANSPORTATION
STATE OF NORTH CAROLINA

1609 Block Ridge Dr., Raleigh, NC 27617

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 022518
ENGINEER
LISA M. MOON
DATE 3-4-05



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.	4116300000	904	SIGN ERECTION, LOGO TO PANEL		EA.	4252000000	907	STOCKPILE LIGHTING FIXTURES		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE A SIGN		S.F.	4116400000	904	SIGN ERECTION, LOGO TRAILBLAZER		EA.	4262000000	907	STOCKPILE WALKWAY		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE B SIGN		S.F.	4116500000	904	SIGN ERECTION, WALKWAY		L.F.	4277000000	908	TEMPORARY SIGN, TYPE A		S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN		S.F.	4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE B		S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN		S.F.	4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE D		S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN		S.F.	4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE E		S.F.
4025000000	901	CONTRACTOR FURNISHED, OVERLAYS SIGN		S.F.	4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE F		S.F.
4025000000	901	CONTRACTOR FURNISHED, MILEMARKER SIGN		S.F.	4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE A		EA.
4048000000	902	REINFORCED CONCRETE SIGN FOOTINGS		C.Y.	4129000000	906	RELOCATE SIGN, TYPE A (OVERHEAD)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE B		EA.
4054000000	902	PLAIN CONCRETE SIGN FOOTINGS	1	C.Y.	4129000000	906	RELOCATE SIGN, TYPE B(OVERHEAD)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE D		EA.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	1037	LB.	4129000000	906	RELOCATE SIGN, TYPE A (GROUND MOUNTED)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE E		EA.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM		LB.	4129000000	906	RELOCATE SIGN, TYPE B (GROUND MOUNTED)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE F		EA.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	4736	L.F.	4129000000	906	RELOCATE SIGN, TYPE D		EA.	4279000000	908	TEMPORARY RELOCATE SIGN SUPPORT, STEEL BEAM		EA.
4078000000	903	SUPPORTS, 2 LB STEEL U-CHANNEL		EA.	4129000000	906	RELOCATE SIGN, TYPE E		EA.	4280000000	908	TEMPORARY RELOCATE SIGN SUPPORT, WOOD		EA.
4079000000	903	SUPPORTS, BARRIER (SMALL)		EA.	4129000000	906	RELOCATE SIGN, TYPE F		EA.	4285000000	908	TEMPORARY SIGN COVERS		EA.
4080000000	903	SUPPORTS, BARRIER (LARGE)		EA.	4129000000	906	RELOCATE SIGN, MILEMARKERS		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4129200000	906	RELOCATE SUPPORT, OVERHEAD SIGN SYSTEM		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4129300000	906	RELOCATE SUPPORT, STEEL BEAM		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4129400000	906	RELOCATE LIGHTING SYSTEM		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4129500000	906	RELOCATE SUPPORT, WOOD		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4141000000	907	DISPOSAL OF SUPPORT, WOOD		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4143000000	907	DISPOSAL OF SUPPORT, OVERHEAD STRUCTURE		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	8	EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	87	EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)	4	EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4236000000	907	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4238000000	907	DISPOSAL OF SIGN, D, E OR F		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4238500000	907	DISPOSAL OF SIGN, MILEMARKERS	2	EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4241000000	907	DISPOSAL OF SIGN, OVERLAY (OVERHEAD)		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4242000000	907	DISPOSAL OF SIGN, OVERLAY (GROUND MOUNTED)		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4251000000	907	DISPOSAL OF LIGHTING SYSTEM		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4258000000	907	DISPOSAL OF LIGHTING FIXTURES		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4263000000	907	DISPOSAL OF WALKWAY		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4132000000	907	STOCKPILE SUPPORT, STEEL BEAM		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4082000000	903	SUPPORTS, WOOD		L.F.	4140000000	907	STOCKPILE SUPPORT, WOOD		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)		EA.	4142000000	907	STOCKPILE SUPPORT, OVERHEAD STRUCTURE		EA.	S	SP	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY " "		L.S.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD)		EA.	4148000000	907	STOCKPILE SIGN SYSTEM, OVERHEAD		EA.	S	SP	OVERHEAD DYNAMIC MESSAGE SIGN SYSTEM " "		L.S.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)		EA.	4151000000	907	STOCKPILE SIGN SYSTEM, STEEL BEAM	17	EA.	S	SP	CENTRAL COMMAND COMPUTER SOFTWARE		EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	4	EA.	4154000000	907	STOCKPILE SIGN SYSTEM, U-CHANNEL		EA.	S	SP	LAPTOP MAINTENANCE COMPUTER SOFTWARE		EA.
4096000000	904	SIGN ERECTION, TYPE D	12	EA.	4157000000	907	STOCKPILE SIGN SYSTEM, WOOD		EA.	S	SP	DYNAMIC MESSAGE SIGN BENCH TEST UNIT		EA.
4102000000	904	SIGN ERECTION, TYPE E	270	EA.	4186000000	907	STOCKPILE SUPPORT, U-CHANNEL		EA.	S	SP	RELOCATE DYNAMIC MESSAGE SIGN SYSTEM TO NEW LOCATION		EA.
4108000000	904	SIGN ERECTION, TYPE F	8	EA.	4228000000	907	STOCKPILE SIGN, A OR B (OVERHEAD)		EA.	S	SP	OVERHEAD SIGN FOOTINGS		C.Y.
4114000000	904	SIGN ERECTION, MILEMARKERS		EA.	4235000000	907	STOCKPILE SIGN, A OR B (GROUND MOUNTED)		EA.	S	SP			EA.
4115000000	904	SIGN ERECTION, OVERLAY (OVERHEAD)		EA.	4237000000	907	STOCKPILE SIGN, D, E OR F		EA.	S	SP			L.S.
4116100000	904	SIGN ERECTION, RELOCATE, TYPE D	4	EA.	4237500000	907	STOCKPILE SIGN, MILEMARKERS		EA.	S	SP			L.S.
4116200000	904	SIGN ERECTION, REPOSITION OVERHEAD		EA.	4250000000	907	STOCKPILE LIGHTING SYSTEM		EA.					L.S.

07-JUN-2006 08:50
S:\SIGNING\11-D\PROJECTS\U-4026\quant11.es.dgn
moyr005 AT 11:22:16

THIS DOCUMENT ORIGINALLY
ISSUED AND SEALED BY
LISA M. MOON
022516
ON 9-27-05

PBS 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

Pay Item Notes:

1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2	STOCKPILE SIGN SYSTEM, STEEL BEAM
3	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
4	DISPOSAL OF SIGN, D, E OR F
5	DISPOSAL OF SUPPORT, U-CHANNEL
6	RELOCATE SIGN, TYPE D

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.

. 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.

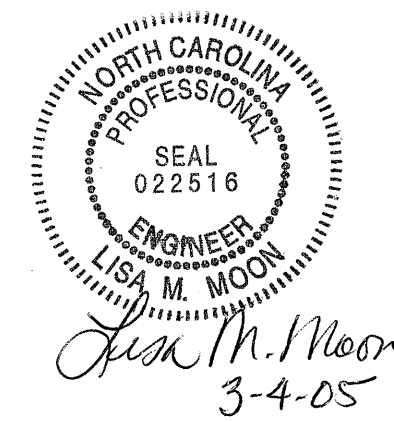
. DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.

. STOCKPILED ITEMS ARE OWNED BY RESEARCH TRIANGLE PARK AND SHALL BE DELIVERED TO RESEARCH TRIANGLE PARK AT THE END OF THE PROJECT.

Project Notes:

- A CONTRACTOR SHALL RETAIN EXISTING SIGN ASSEMBLY
- B SIGN TO BE RELOCATED BY OTHERS
- C SIGNS INSTALLED UNDER TOWN OF CARY PROJECT #99-040. EXPECTED COMPLETION SUMMER 2005.

07-MAR-2005 14:39
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 18586



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

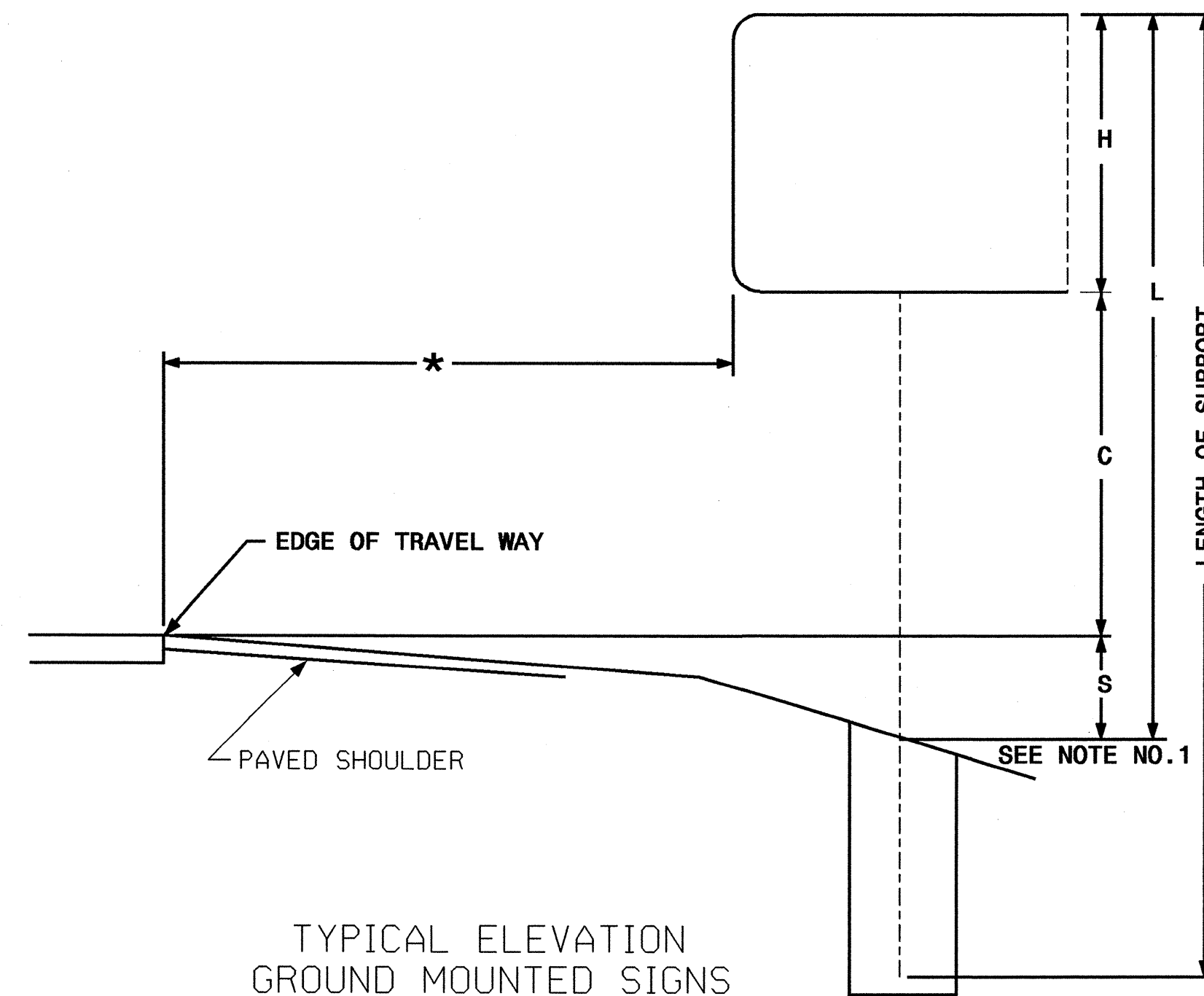
SIGN NO.	SIGN TYPE	SIGN SIZE (in.) w x h	ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE BA or S	HORIZ. CLR. (ft.)	EXIT NUMBER ATTACH METHOD	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			B/A SUPPORT WEIGHTS (lbs.)	SIMPLE SUPPORT WEIGHTS (lbs.)	REINF. FTGS. (c.y.)	PLAIN FTGS. (c.y.)	TOTAL WOOD SUPP. (L.F.)	TOTAL WOOD SUPP. (FBM)	FIELD VERIFIED SEE NOTE (mm/dd/yy)										
									SNS HT	MTG HT	EMBED-MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH								S	L	TOTAL LENGTH							
101	B	108 X 36	12+00	2	S4X7.7	BA	30.00		3.00	7.00	3.17	4.88	14.92	18.08	N/A	0.00	0.00	N/A	0.00	0.00	5.20	15.17	18.33	306.41	0.00	0.0000	0.2036	0.00	0.00								
102	B	108 X 36	306+90	2	S4X7.7	BA	15.00		3.00	9.12	3.17	-2.12	10.00	13.17	N/A	0.00	0.00	N/A	0.00	0.00	-3.87	8.25	11.42	215.29	0.00	0.0000	0.2036	0.00	0.00								
103	B	108 X 36	317+00	2	S4X7.7	BA	18.00		3.00	7.00	3.17	2.09	12.08	15.25	N/A	0.00	0.00	N/A	0.00	0.00	1.65	11.67	14.83	257.64	0.00	0.0000	0.2036	0.00	0.00								
104	B	108 X 36	315+80	2	S4X7.7	BA	18.00		3.00	7.00	3.17	2.09	12.08	15.25	N/A	0.00	0.00	N/A	0.00	0.00	1.66	11.67	14.83	257.64	0.00	0.0000	0.2036	0.00	0.00								
TOTAL																						1036.98	0.00	0.0000	0.8144	0.0	0.0										
USE:																						1037	0	0	1	0	0										

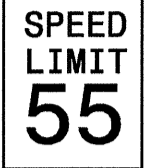
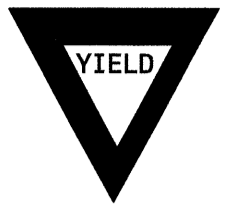



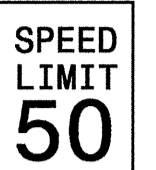
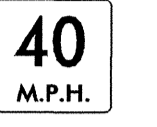
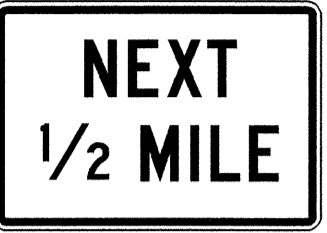
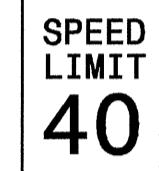

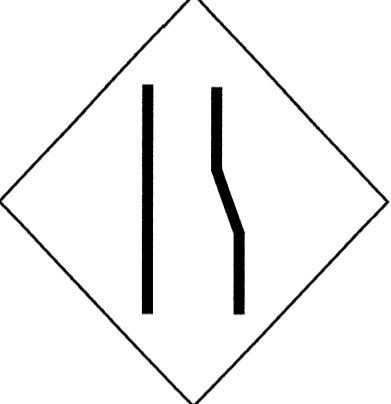
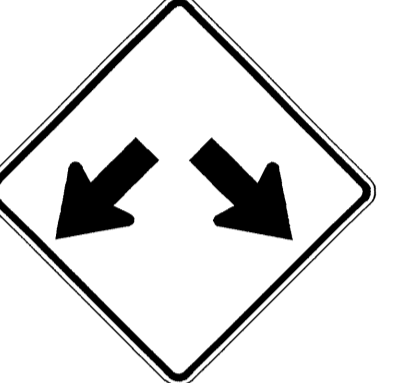

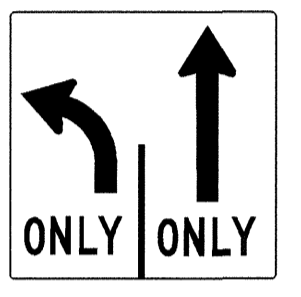
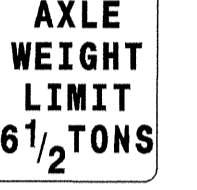

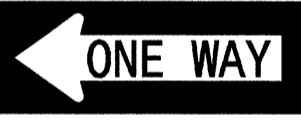
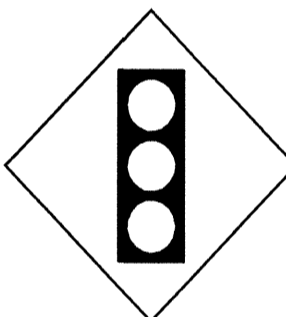



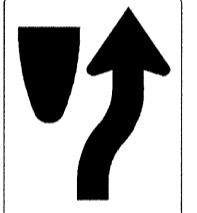
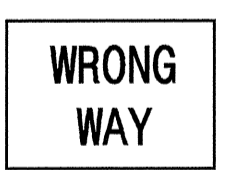



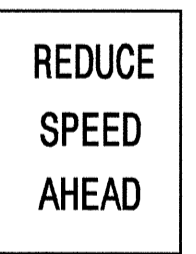
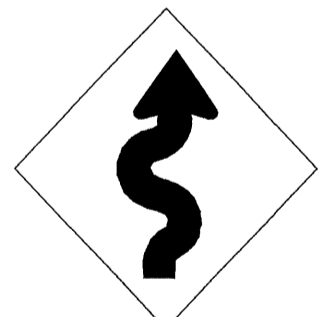


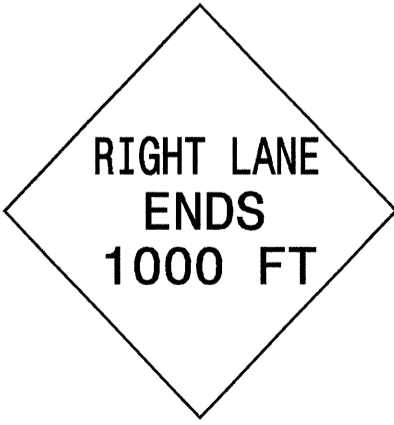


NOTES

- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL WAY.
- 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 "D" GROUND MOUNTED SIGNS

SIGN NO.	SIGN SIZE (inches) (w x h)	NO. OF "U" POSTS
301, 305, 307	90 X 36	2
302, 303	66 X 36	2
304	108 X 30	2
306	108 X 30	2
308	72 X 16	2
309	84 X 16	2
310, 311	60 X 36	2
312	108 X 30	2
313	108 X 30	2



<p>403 QUANTITY REQ'D 9</p>  <p>24 X 30 R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>412 QUANTITY REQ'D 1</p>  <p>36 X 36 X 36 R1-2</p> <p>ONE "U" POST PER SIGN</p>	<p>433 QUANTITY REQ'D 1</p>  <p>48 X 48 W9-1(R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>459 QUANTITY REQ'D 2</p>  <p>30 X 30 W11-3</p> <p>ONE "U" POST PER SIGN</p>	<p>464 QUANTITY REQ'D 1</p>  <p>36 X 36 W12-2</p> <p>ONE "U" POST PER SIGN</p>	<p>468 QUANTITY REQ'D 4</p>  <p>24 X 30 R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>472 QUANTITY REQ'D 1</p>  <p>18 X 18 W13-1</p> <p>MOUNT BELOW SIGN 471 IN ONE INSTALLATION</p>	<p>476 QUANTITY REQ'D 2</p>  <p>24 X 30 W16-4</p> <p>MOUNT BELOW SIGN 457 IN TWO INSTALLATIONS</p>
<p>404 QUANTITY REQ'D 2</p>  <p>24 X 30 R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>413 QUANTITY REQ'D 30</p>  <p>54 X 18 R6-1(R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>435 QUANTITY REQ'D 2</p>  <p>48 X 48 W4-2(R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>460 QUANTITY REQ'D 1</p>  <p>36 X 36 W12-1</p> <p>ONE "U" POST PER SIGN</p>	<p>465 QUANTITY REQ'D 1</p>  <p>24 X 24 W12-3</p> <p>MOUNT BELOW SIGN 464 IN ONE INSTALLATION</p>	<p>469 QUANTITY REQ'D 2</p>  <p>30 X 30 R3-8</p> <p>ONE "U" POST PER SIGN</p>	<p>473 QUANTITY REQ'D 1</p>  <p>24 X 30 R12-2</p> <p>ONE "U" POST PER SIGN</p>	
<p>408 QUANTITY REQ'D 21</p>  <p>30 X 30 R1-1</p> <p>ONE "U" POST PER SIGN</p>	<p>414 QUANTITY REQ'D 29</p>  <p>54 X 18 R6-1(L)</p> <p>MOUNTED BACK-TO-BACK WITH SIGN 413 IN 18 INSTALLATIONS</p> <p>TWO "U" POSTS PER SIGN</p>	<p>438 QUANTITY REQ'D 2</p>  <p>36 X 36 W3-3</p> <p>ONE "U" POST PER SIGN</p>	<p>461 QUANTITY REQ'D 2</p>  <p>30 X 30 W11-1</p> <p>ONE "U" POST PER SIGN</p>	<p>466 QUANTITY REQ'D 2</p>  <p>24 X 30 R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>470 QUANTITY REQ'D 2</p>  <p>30 X 30 W14-1</p> <p>ONE "U" POST PER SIGN</p>	<p>474 QUANTITY REQ'D 3</p>  <p>24 X 30 R12-2</p> <p>ONE "U" POST PER SIGN</p>	
<p>410 QUANTITY REQ'D 62</p>  <p>36 X 24 R5-1a</p> <p>ONE "U" POST PER SIGN</p>	<p>420 QUANTITY REQ'D 6</p>  <p>24 X 12 W16-7P(L)</p> <p>YELLOW/GREEN REFLECTIVE SHEETING</p> <p>MOUNT BELOW SIGN 457 IN SIX INSTALLATIONS</p>	<p>455 QUANTITY REQ'D 7</p>  <p>30 X 30 R3-7(R)</p> <p>ONE "U" POST PER SIGN</p>	<p>462 QUANTITY REQ'D 2</p>  <p>18 X 24 W16-1</p> <p>MOUNT BELOW SIGN 461 IN TWO INSTALLATIONS</p>	<p>467 QUANTITY REQ'D 3</p>  <p>24 X 30 R2-5</p> <p>ONE "U" POST PER SIGN</p>	<p>471 QUANTITY REQ'D 1</p>  <p>30 X 30 W1-5(R)</p> <p>ONE "U" POST PER SIGN</p>	<p>475 QUANTITY REQ'D 2</p>  <p>30 X 36 R12-2</p> <p>MOUNT BELOW SIGN 408 IN TWO INSTALLATIONS</p>	
<p>411 QUANTITY REQ'D 45</p>  <p>30 X 30 R5-1</p> <p>ONE "U" POST PER SIGN</p>	<p>431 QUANTITY REQ'D 1</p>  <p>48 X 48 W19-10a(R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>457 QUANTITY REQ'D 8</p>  <p>30 X 30 W11-2</p> <p>YELLOW/GREEN REFLECTIVE SHEETING</p> <p>ONE "U" POST PER SIGN</p>	<p>463 QUANTITY REQ'D 1</p>  <p>30 X 30 W11-7</p> <p>ONE "U" POST PER SIGN</p>				



1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

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

SEAL

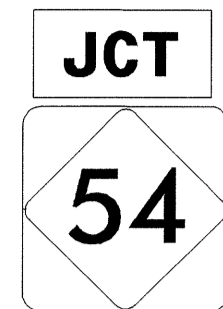
THIS DOCUMENT ORIGINALLY
ISSUED AND SEALED BY
LISA M. MOON
022516
ON 5-06-05

TYPE "E" SIGNS

05-APR-2006 10:52
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m007005 AR 15CCZ1033

501

505



1 - 21 X 15
1 - 24 X 24

ONE "U" POST PER SIGN

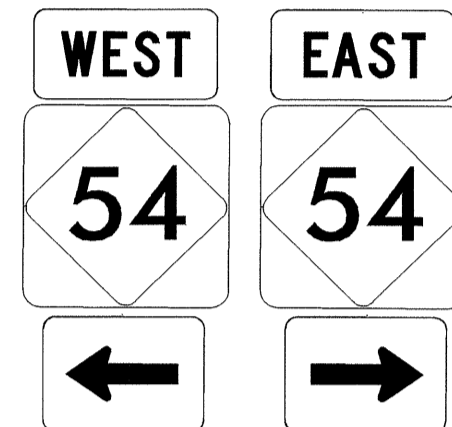
507



1 - 24 X 12
1 - 24 X 24

ONE "U" POST PER SIGN

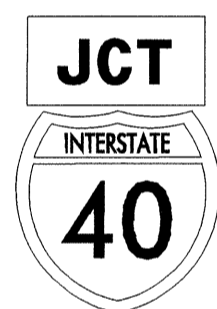
502



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

TWO "U" POSTS PER SIGN

503



1 - 21 X 15
1 - 24 X 24

ONE "U" POST PER SIGN

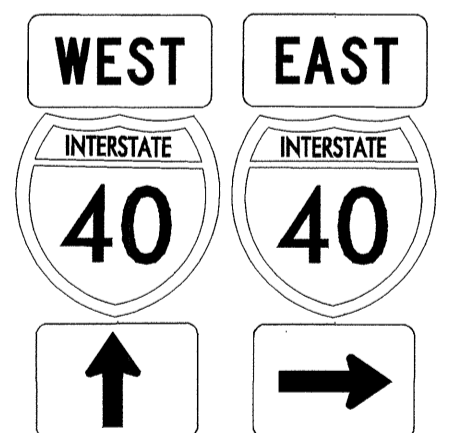
509



1 - 30 X 24
1 - 21 X 15

MOUNT BELOW SIGN 469
IN 1 INSTALLATION

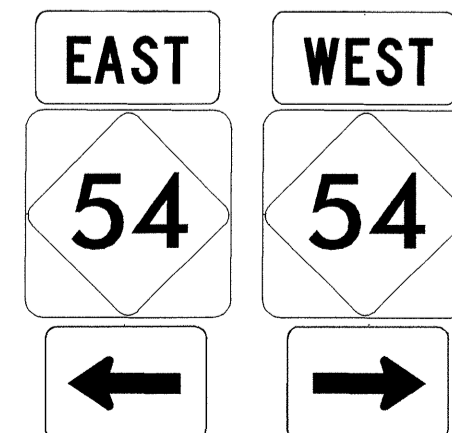
504



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

TWO "U" POSTS PER SIGN

506



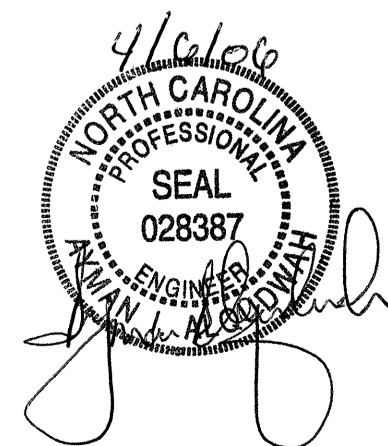
2 - 24 X 12
2 - 24 X 24
2 - 21 X 15

TWO "U" POSTS PER SIGN



1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

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

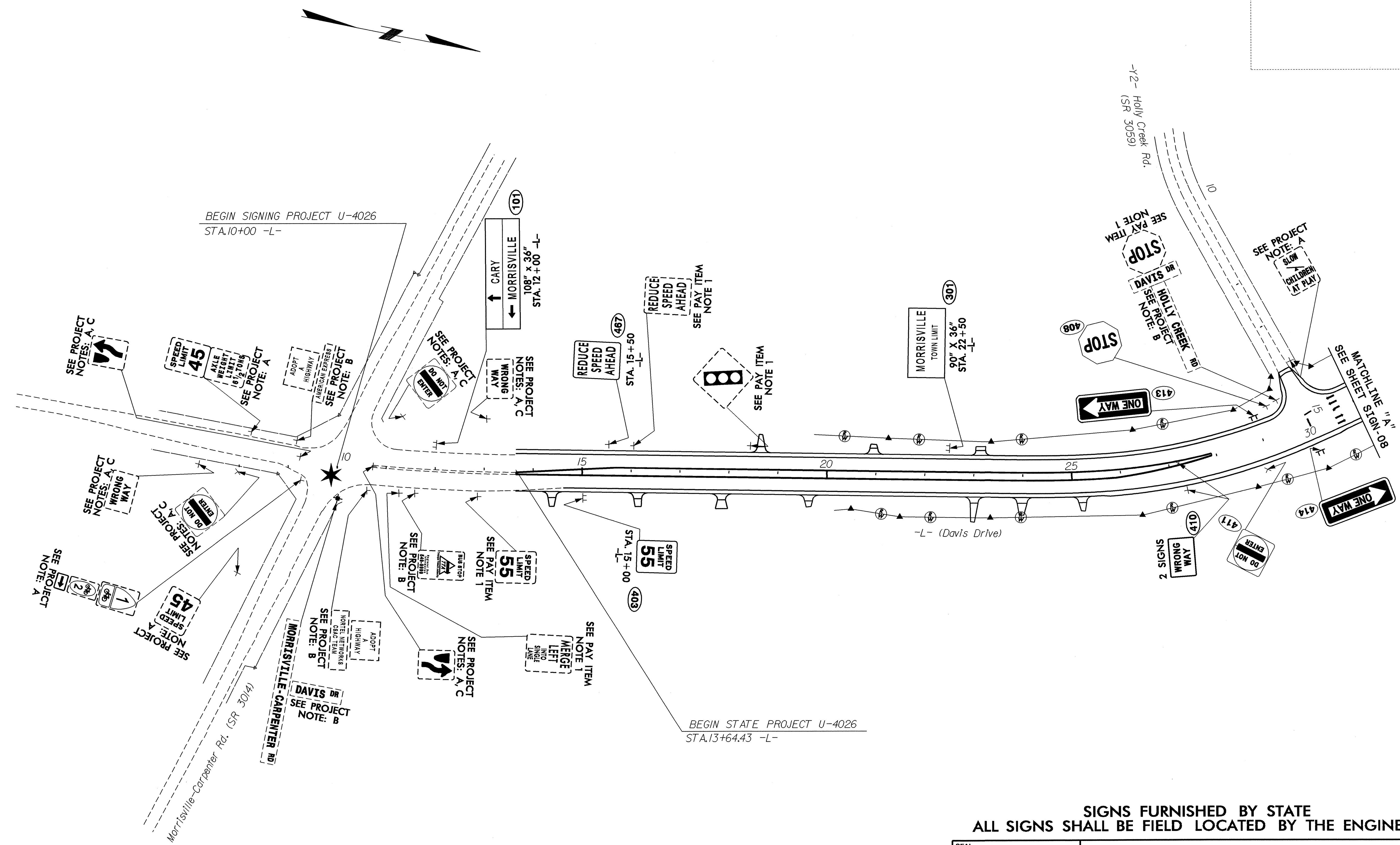


SEAL

THIS DOCUMENT ORIGINALLY
ISSUED AND SEALED BY
LISA M. MOON
022516
ON 3-04-05

TYPE "F" SIGNS

8/17/99



SYMBOLS
★ TRAFFIC SIGNAL LOCATION.

**SIGNS FURNISHED BY STATE
ALL SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER**

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 022516
LISA M. MOON
5-6-05

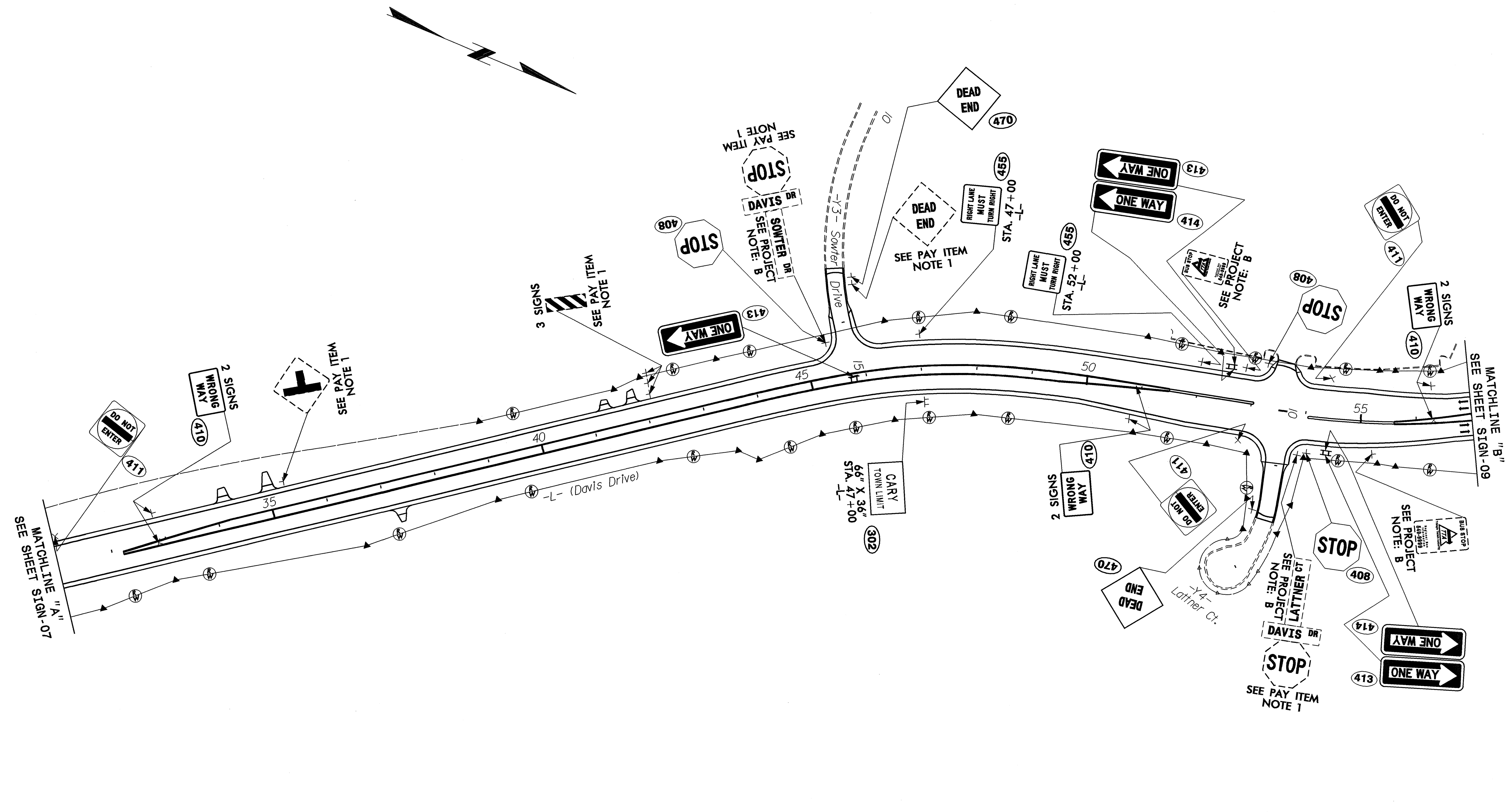
**EXISTING AND PROPOSED SIGNS
STA 13+64 -L- TO STA 31+00 -L-
DAVIS DRIVE**

SCALE	1"=100'	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	MARCH 2005	DIVISION OF HIGHWAYS	
SIGNING TECHNICIAN	JAW / EMH	TRAFFIC ENGINEERING BRANCH	
SIGNING DESIGN ENG	LM MOON		
SIGNING PROJECT ENG	JT BROOKS		

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

06-MAY-2005 16:44
C:\p025\4026\comb\mch\sig\p07.dgn
13833

8/17/99



SYMBOLS
 * TRAFFIC SIGNAL LOCATION.

**SIGNS FURNISHED BY STATE
 ALL SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER**

**EXISTING AND PROPOSED SIGNS
 STA 31+00 -L- TO STA 57+00 -L-
 DAVIS DRIVE**

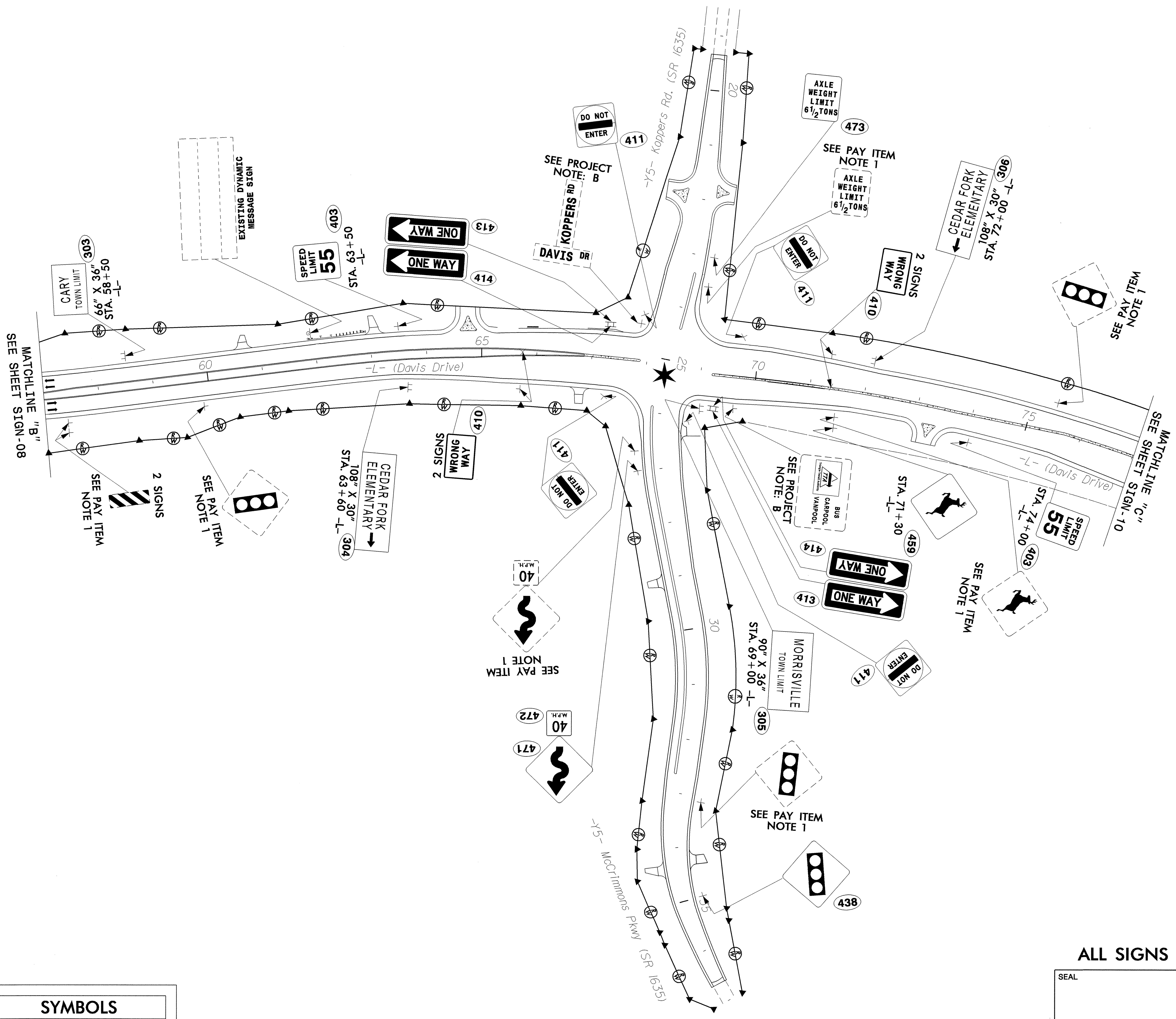
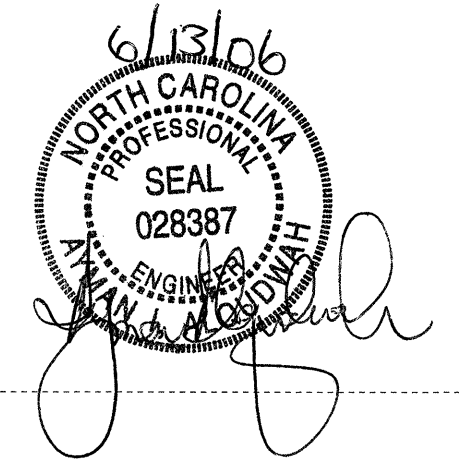
SEAL

 Lisa M. Moon
 3-6-05

SCALE	1"=100'	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	MARCH 2005		
SIGNING TECHNICIAN	JAW / EMH	DIVISION OF HIGHWAYS	
SIGNING DESIGN ENG	LM MOON	TRAFFIC ENGINEERING BRANCH	
SIGNING PROJECT ENG	JT BROOKS		

PBSJ 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

06-MAY-2005 16:43
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 13832



SYMBOLS	
★	TRAFFIC SIGNAL LOCATION.

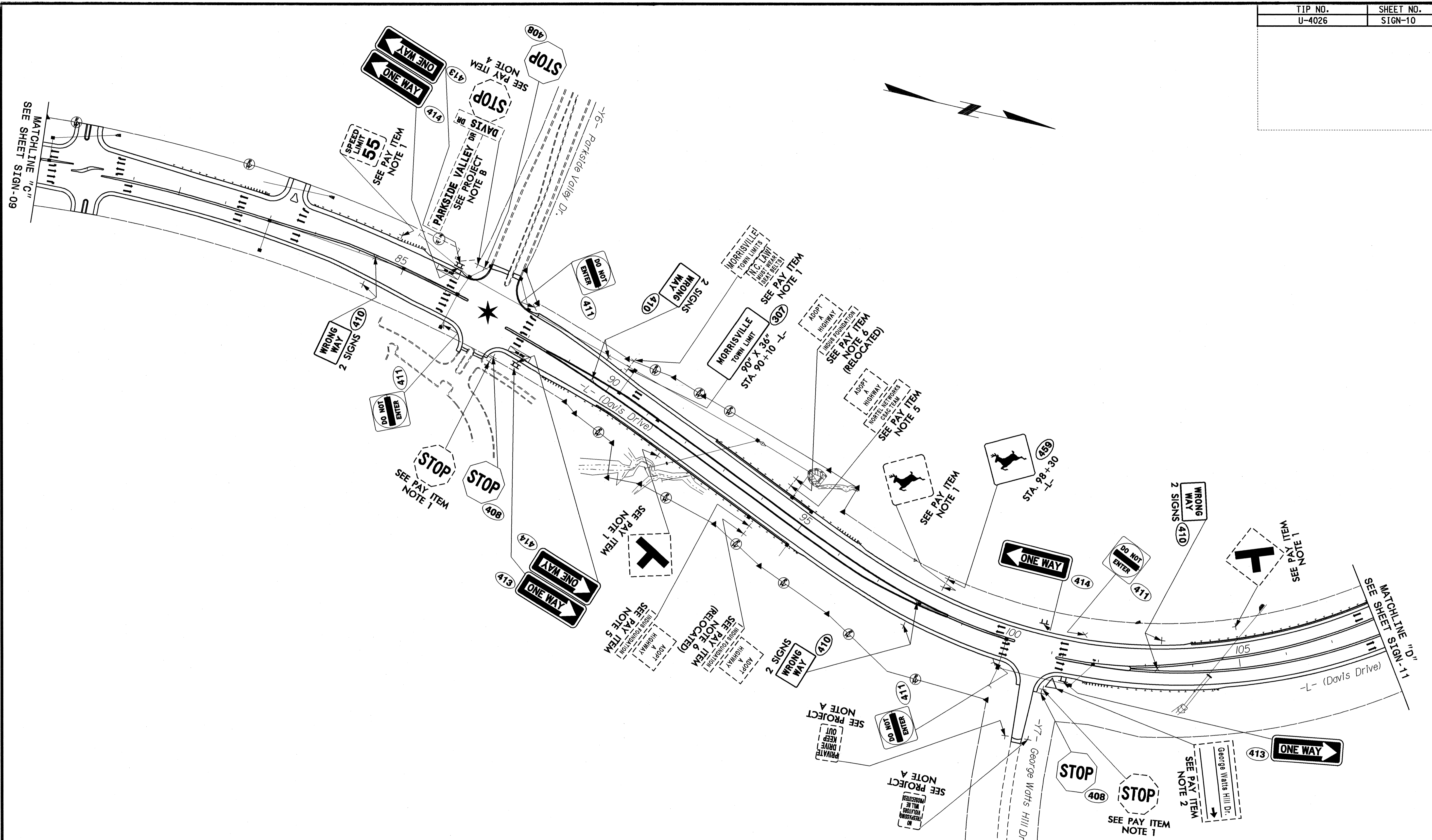
SIGNS FURNISHED BY STATE
ALL SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER

THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY LISA M. MOON 022516 ON 5-06-05	EXISTING AND PROPOSED SIGNS STA 57+00 -L- TO STA 77+00 -L- DAVIS DRIVE & SR 1635		N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS _____ _____ _____	
	SCALE	1" = 100'			DATE
SIGNING TECHNICIAN	JAW / EMH	SIGNING DESIGN ENG	LM MOON	SIGNING PROJECT ENG	JT BROOKS

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

8/17/99
 07-JUN-2006 08:46
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8/17/99



SYMBOLS
★ TRAFFIC SIGNAL LOCATION.

SIGNS FURNISHED BY STATE
ALL SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER

SEAL

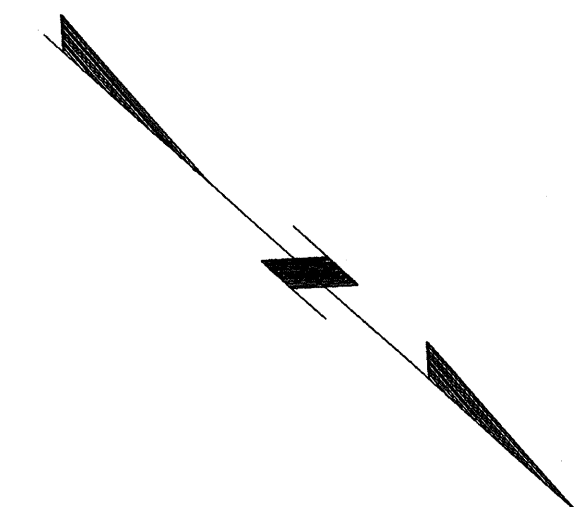
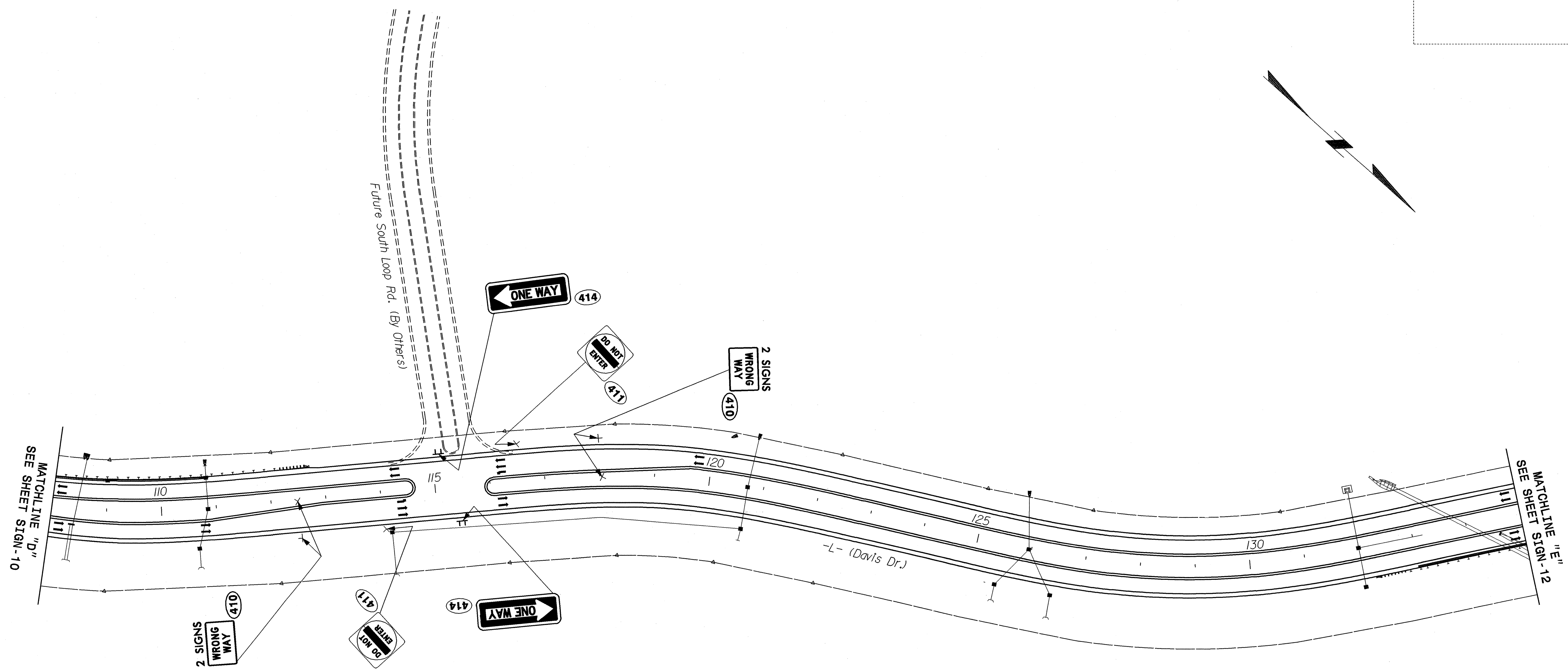
LISA M. MOON
 3-4-05

EXISTING AND PROPOSED SIGNS		STA 77+00 -L- TO STA 108+00 -L- DAVIS DRIVE	
SCALE	1"=100'	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MARCH 2005		
SIGNING TECHNICIAN	JAW / EMH		
SIGNING DESIGN ENG	LM MOON		
SIGNING PROJECT ENG	JT BROOKS		

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

03-MAR-2005 1:44:40
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 18566

8/17/99



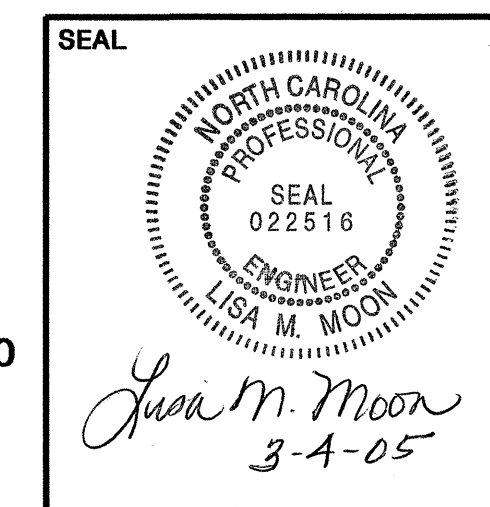
MATCHLINE "D"
SEE SHEET SIGN-10

MATCHLINE "E"
SEE SHEET SIGN-12

SYMBOLS	
★	TRAFFIC SIGNAL LOCATION.

**SIGNS FURNISHED BY STATE
ALL SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER**

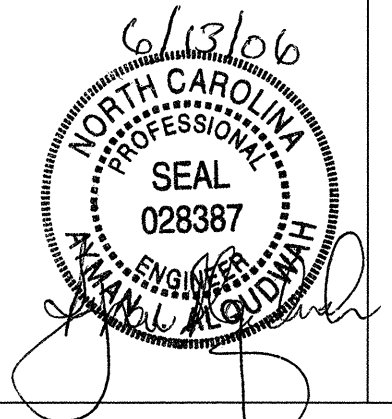
**EXISTING AND PROPOSED SIGNS
STA 108+00 -L- TO STA 135+00 -L-
DAVIS DRIVE**



SCALE	1"=100'	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MARCH 2005		
SIGNING TECHNICIAN	JAW / EMH		
SIGNING DESIGN ENG	LM MOON		
SIGNING PROJECT ENG	JT BROOKS		

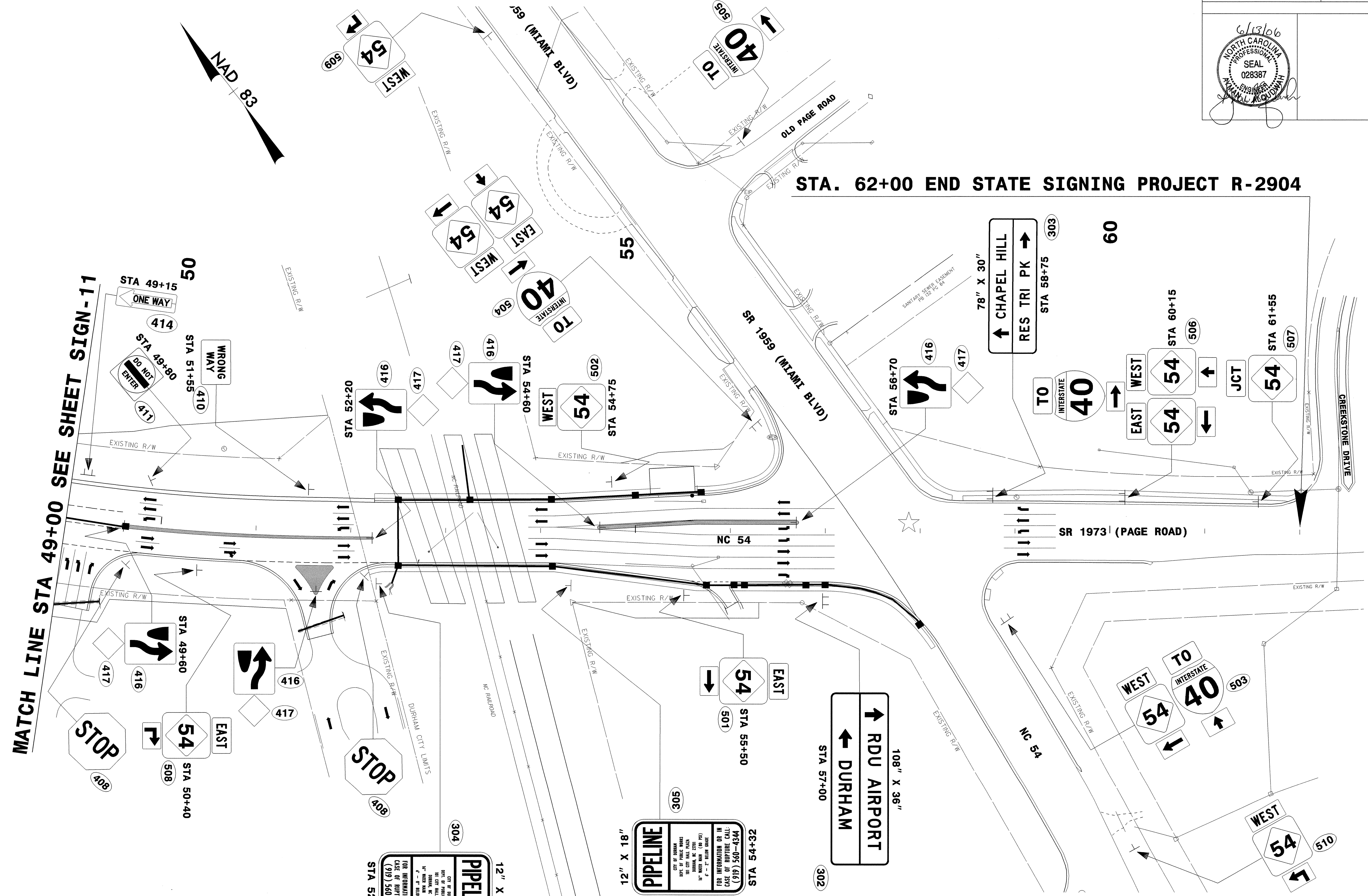
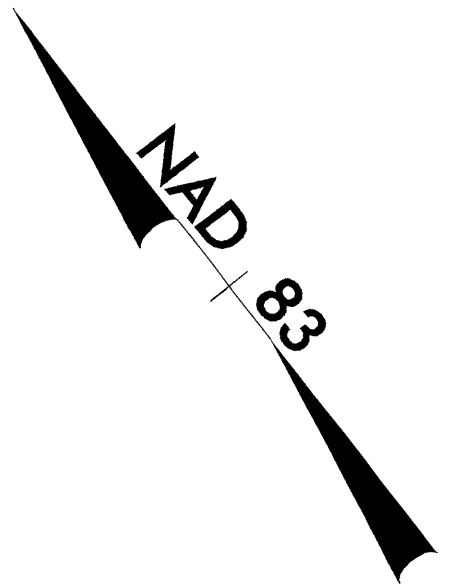
PBSJ 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

03 MAR 2005 15:10
04:41:06 C:\p1\230219_40 - U-4026\U4026 Comb\resdes\gn11.dgn
18566



STA. 62+00 END STATE SIGNING PROJECT R-2904

MATCH LINE STA 49+00 SEE SHEET SIGN-11



PIPELINE
 12" X 18"
 STA 52+12

FOR INFORMATION OR IN CASE OF EMERGENCY CALL: (919) 500-4344

CITY OF DURHAM
 DEPT. OF PUBLIC WORKS
 100 CITY HALL PLAZA
 DURHAM, NC 27601
 9:00 AM - 5:00 PM (M-F)
 8:00 AM - 5:00 PM (S-S)
 8:00 AM - 5:00 PM (S-S)
 8:00 AM - 5:00 PM (S-S)

PIPELINE
 18" X 12"
 STA 54+32

FOR INFORMATION OR IN CASE OF EMERGENCY CALL: (919) 500-4344

CITY OF DURHAM
 DEPT. OF PUBLIC WORKS
 100 CITY HALL PLAZA
 DURHAM, NC 27601
 9:00 AM - 5:00 PM (M-F)
 8:00 AM - 5:00 PM (S-S)
 8:00 AM - 5:00 PM (S-S)

108" X 36"
 RDU AIRPORT
 DURHAM

STA 57+00

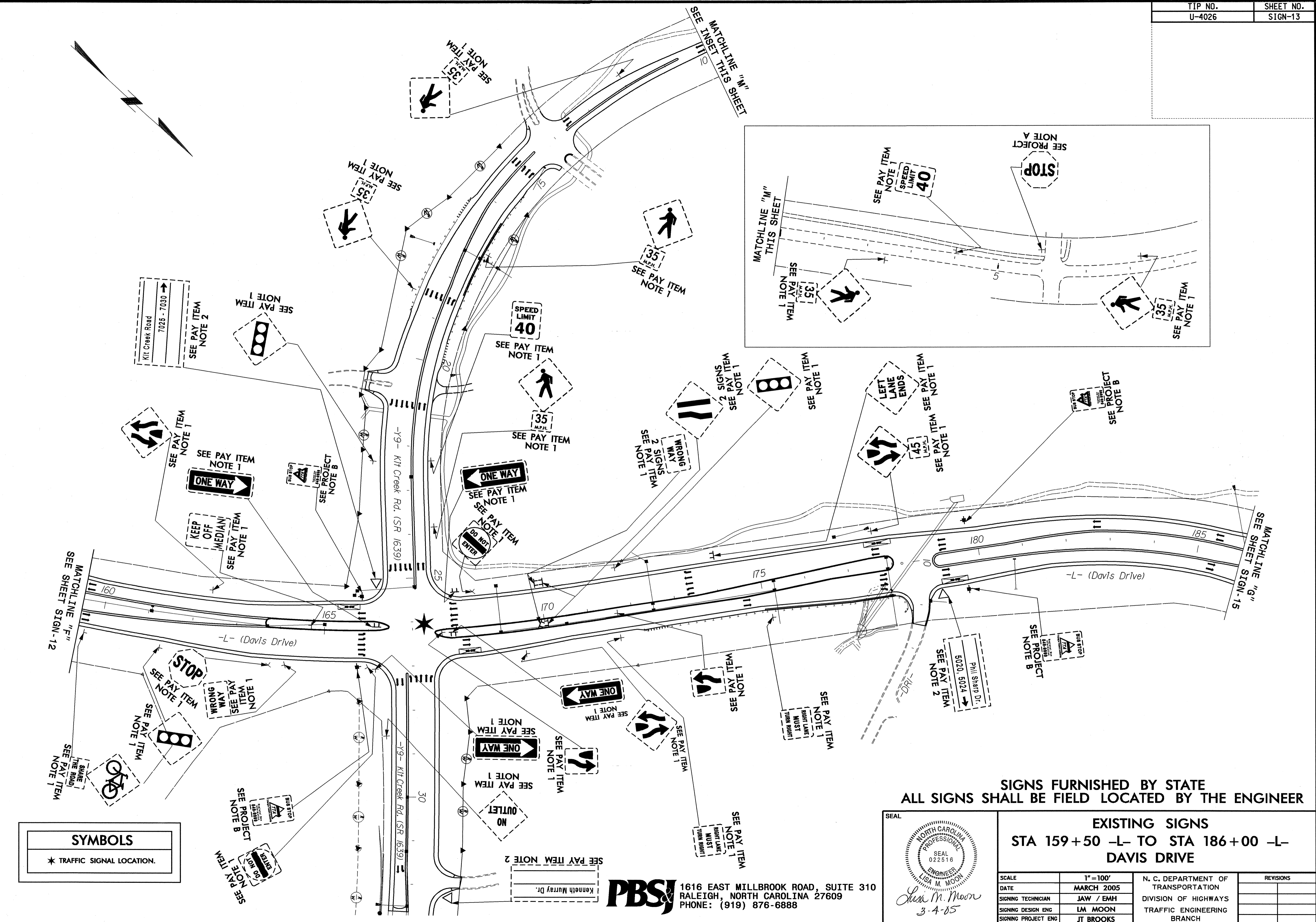
78" X 30"
 CHAPEL HILL
 RES TRI PK

STA 58+75

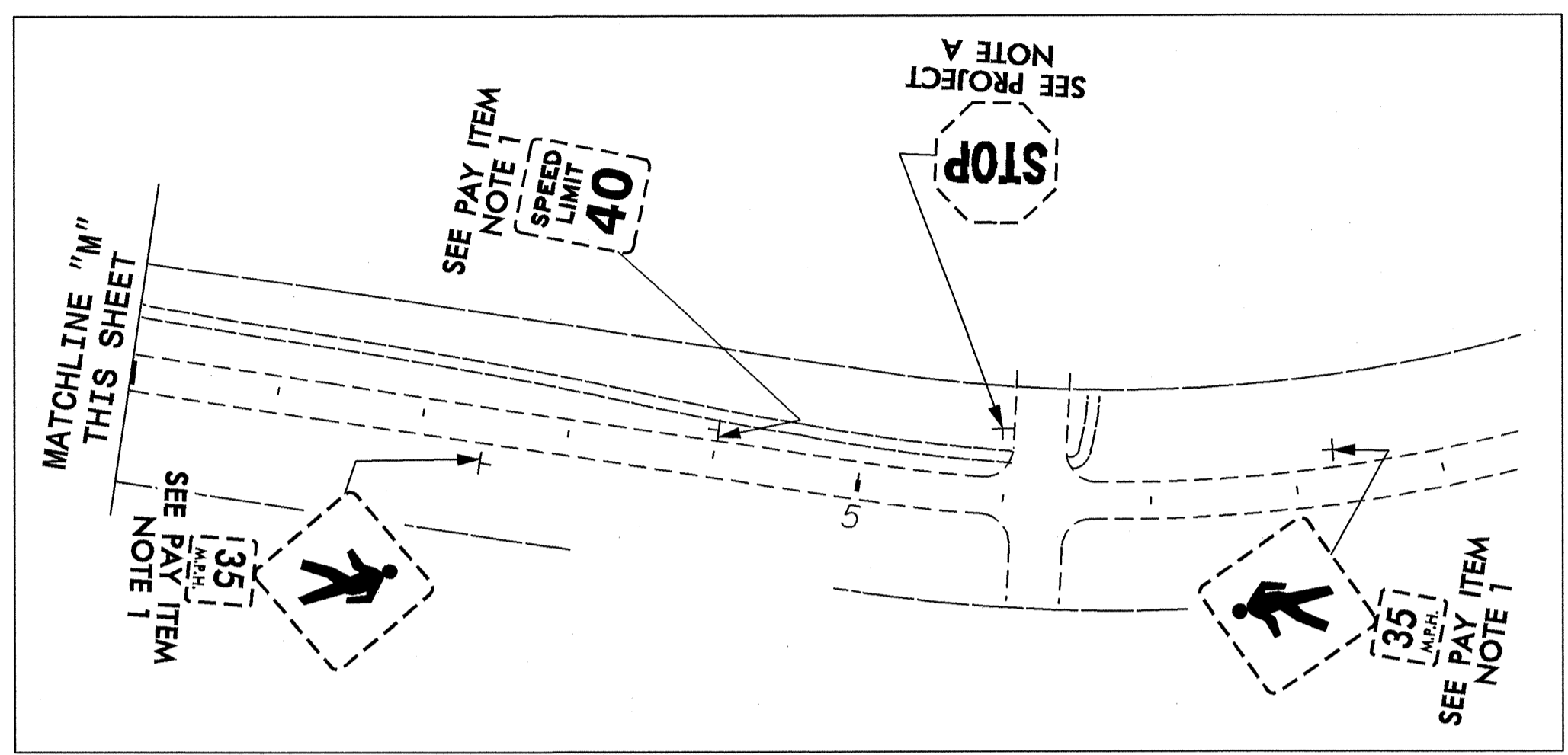
★ EXIST. SIGNAL

**PROPOSED SIGNING
 DAVIS DRIVE (NC 54) TO MIAMI BLVD
 STA 49+00 - END OF PROJECT**

8/17/99
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18566



SYMBOLS	
	TRAFFIC SIGNAL LOCATION.



**SIGNS FURNISHED BY STATE
ALL SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER**

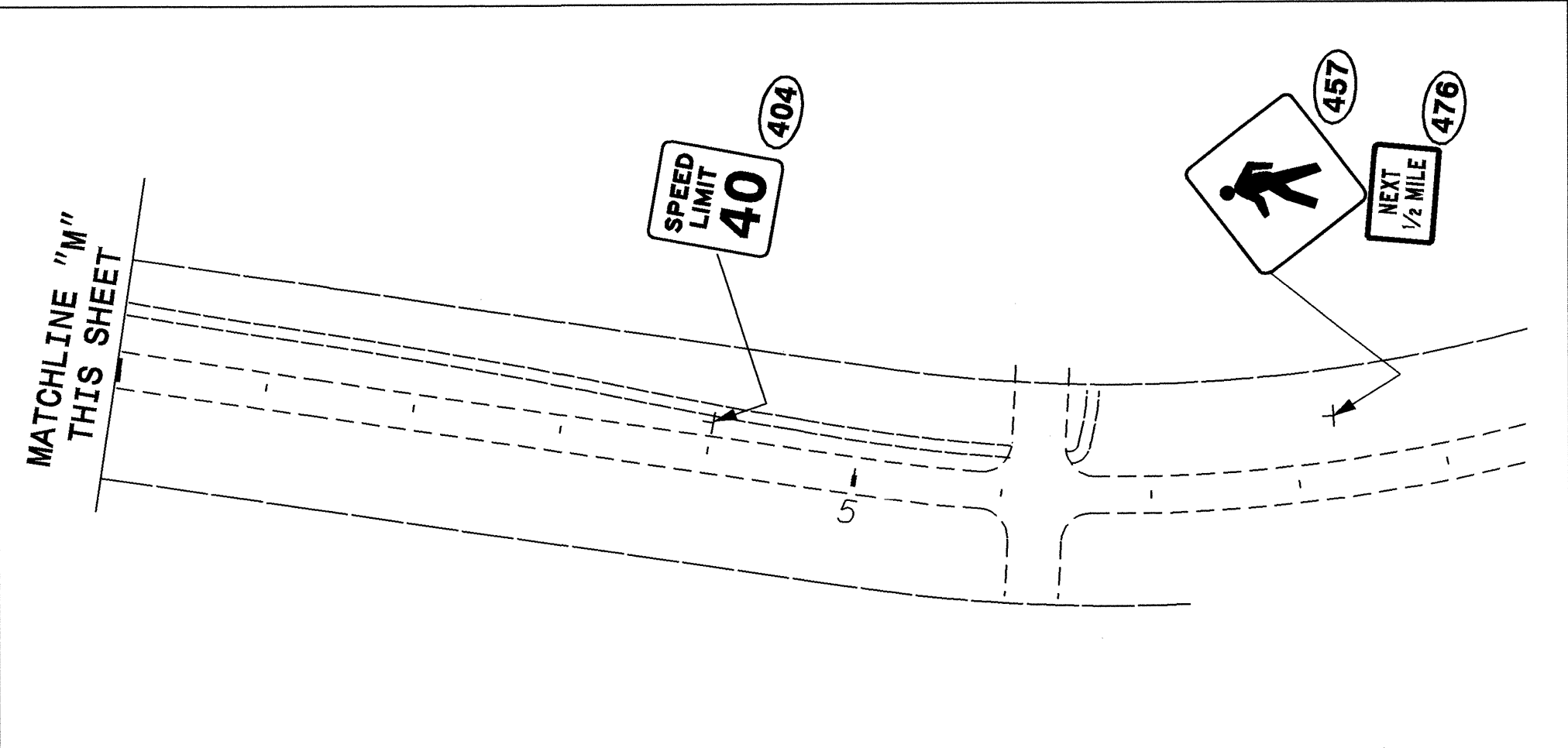
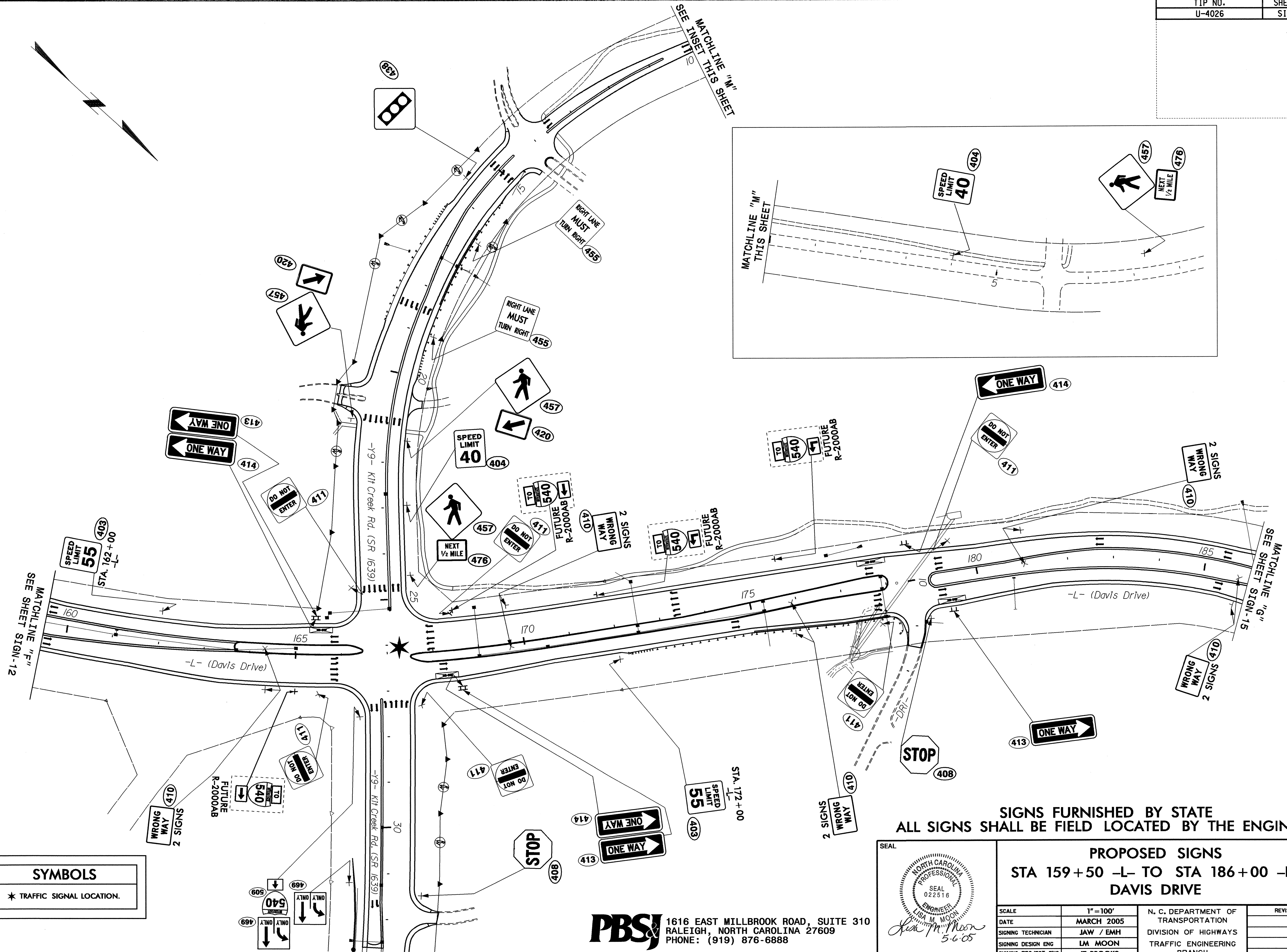
**EXISTING SIGNS
STA 159+50 -L- TO STA 186+00 -L-
DAVIS DRIVE**

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
LISA M. MOON
SEAL 022516
Lisa M. Moon
3-4-05

SCALE	1"=100'	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	MARCH 2005	DIVISION OF HIGHWAYS	
SIGNING TECHNICIAN	JAW / EMH	TRAFFIC ENGINEERING BRANCH	
SIGNING DESIGN ENG	LM MOON		
SIGNING PROJECT ENG	JT BROOKS		

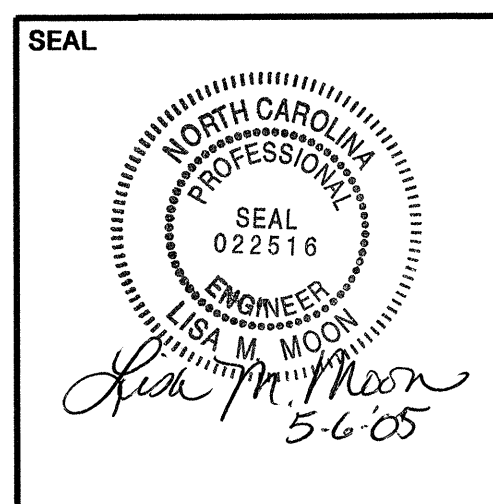
8/17/99



SYMBOLS	
★	TRAFFIC SIGNAL LOCATION.

SIGNS FURNISHED BY STATE
ALL SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER

PROPOSED SIGNS
STA 159+50 -L- TO STA 186+00 -L-
DAVIS DRIVE



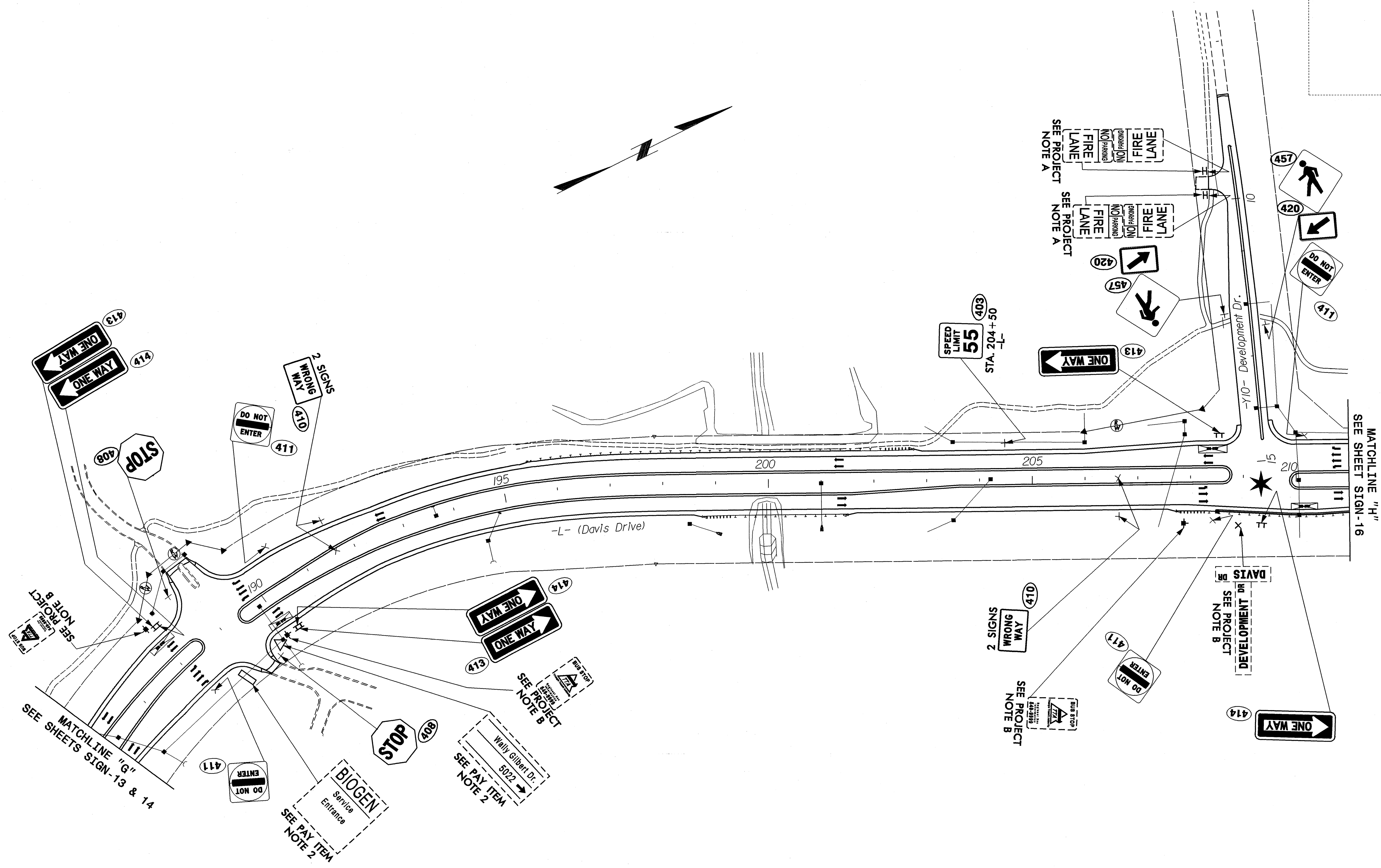
SCALE	1"=100'	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	MARCH 2005	DIVISION OF HIGHWAYS	
SIGNING TECHNICIAN	JAW / EMH	TRAFFIC ENGINEERING BRANCH	
SIGNING DESIGN ENG	LM MOON		
SIGNING PROJECT ENG	JT BROOKS		

PBSJ 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

06-MAY-2005 16:43
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13833

8/17/99
03-MAR-2005 15:11
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19566

SYMBOLS
★ TRAFFIC SIGNAL LOCATION.

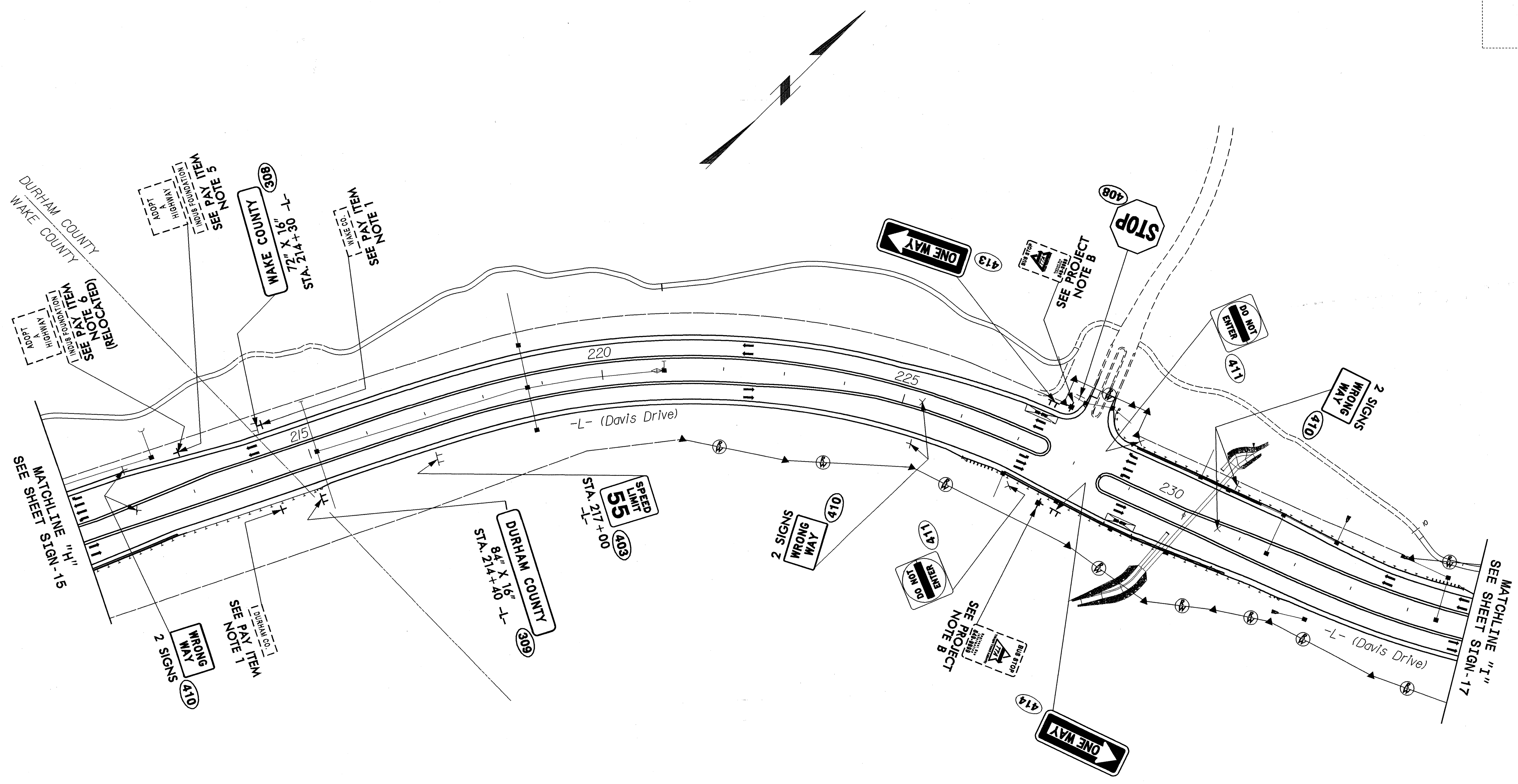


**SIGNS FURNISHED BY STATE
ALL SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER**

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
LISA M. MOON
3-4-05

EXISTING AND PROPOSED SIGNS STA 186+00 -L- TO STA 211+00 -L- DAVIS DRIVE		REVISIONS	
SCALE	1"=100'	N. C. DEPARTMENT OF TRANSPORTATION	
DATE	MARCH 2005	DIVISION OF HIGHWAYS	
SIGNING TECHNICIAN	JAW / EMH	TRAFFIC ENGINEERING BRANCH	
SIGNING DESIGN ENG	LM MOON		
SIGNING PROJECT ENG	JT BROOKS		

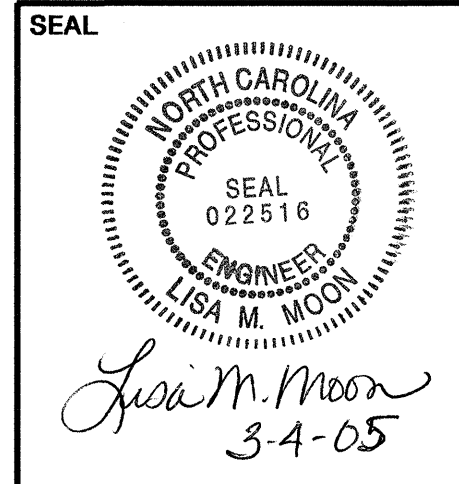
PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888



SYMBOLS	
★	TRAFFIC SIGNAL LOCATION.

**SIGNS FURNISHED BY STATE
ALL SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER**

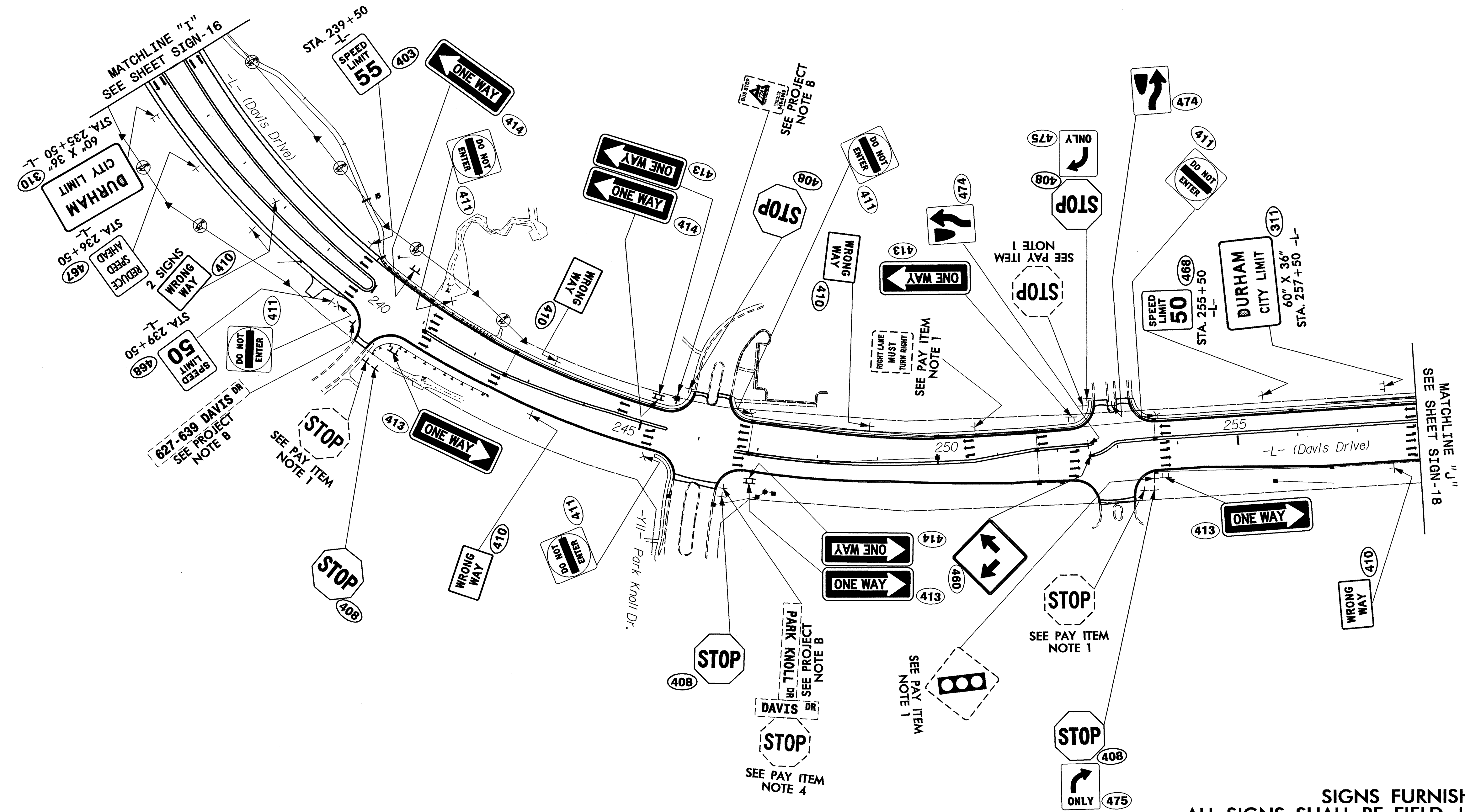
**EXISTING AND PROPOSED SIGNS
STA 211+00 -L- TO STA 235+00 -L-
DAVIS DRIVE**



SCALE	1"=100'	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	MARCH 2005		
SIGNING TECHNICIAN	JAW / EWH	DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	
SIGNING DESIGN ENG	LM MOON		
SIGNING PROJECT ENG	JT BROOKS		

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

8/17/99



SYMBOLS
★ TRAFFIC SIGNAL LOCATION.

**SIGNS FURNISHED BY STATE
ALL SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER**

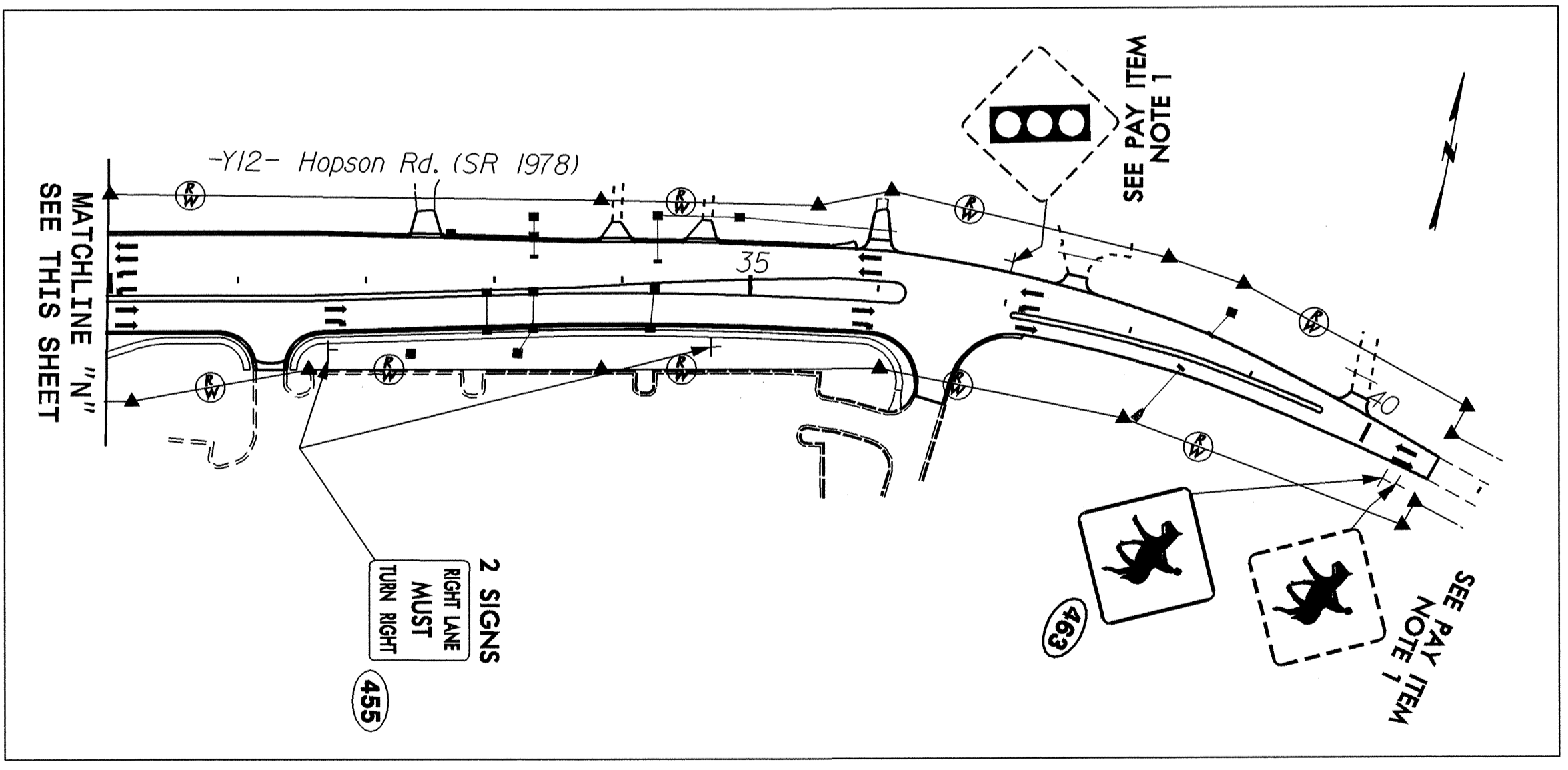
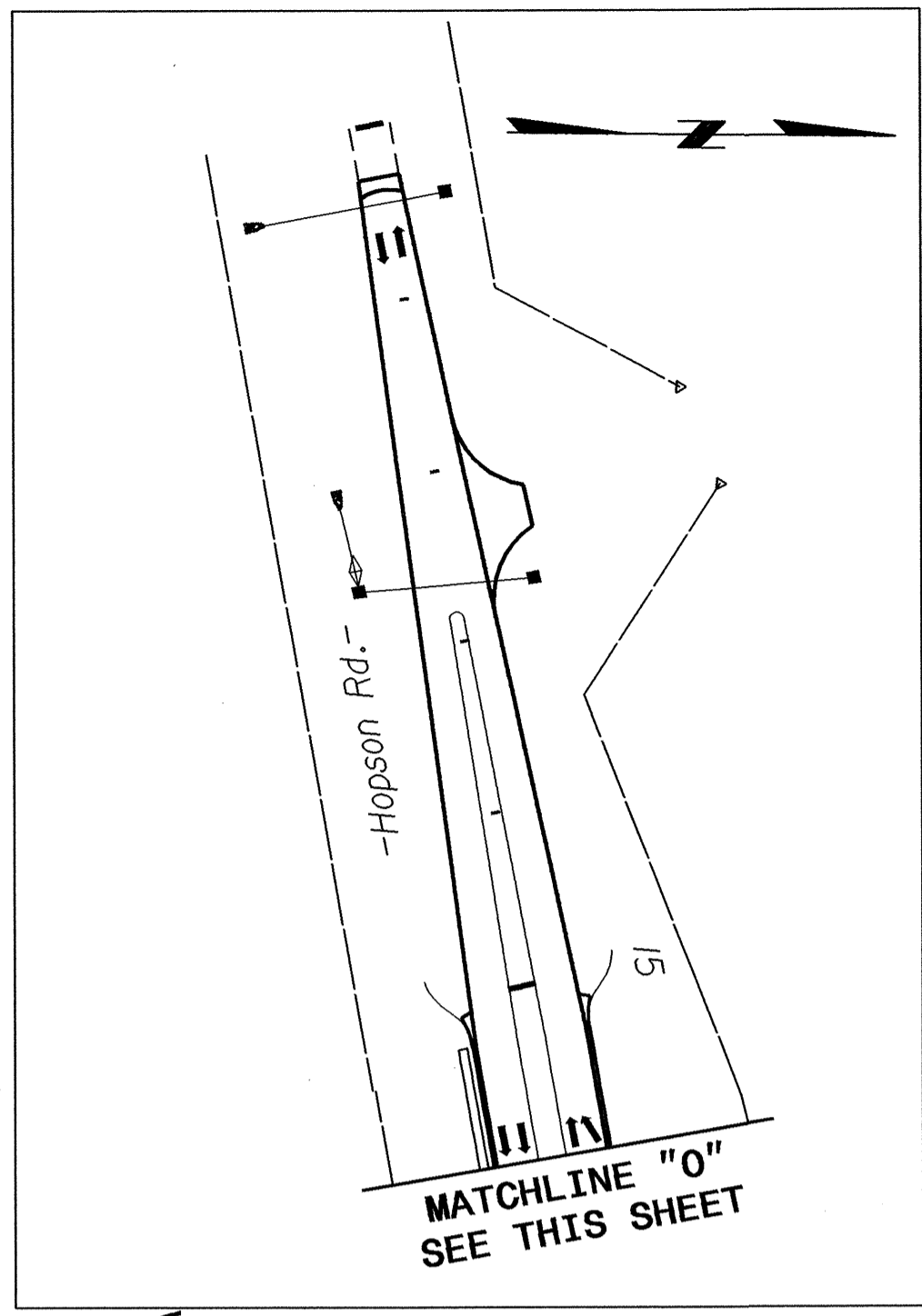
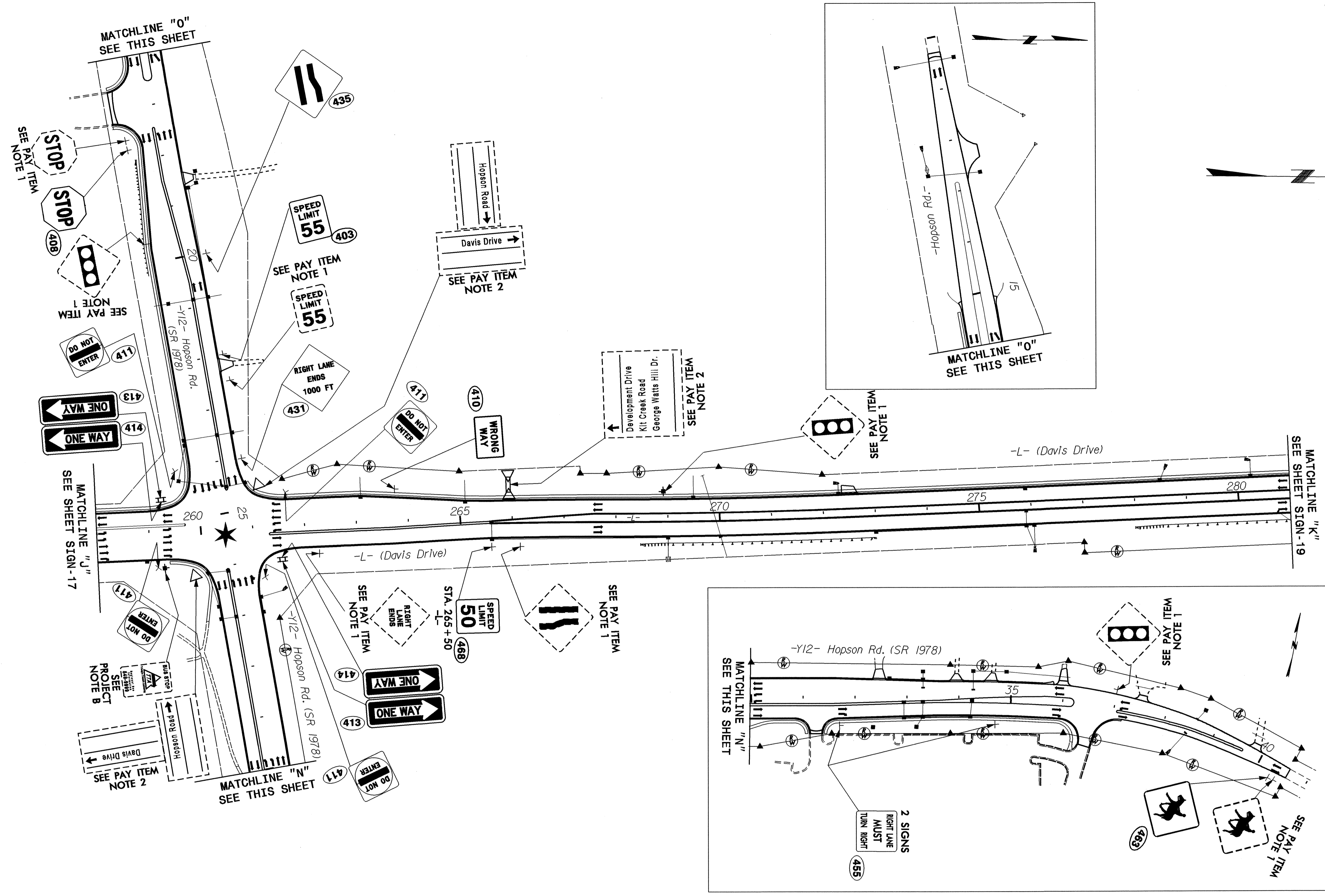
SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
LISA M. MOON
022516
5-6-05

EXISTING AND PROPOSED SIGNS		STA 235+00 -L- TO STA 258+00 -L- DAVIS DRIVE	
SCALE	1"=100'	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MARCH 2005		
SIGNING TECHNICIAN	JAW / EMH		
SIGNING DESIGN ENG	LM MOON		
SIGNING PROJECT ENG	JT BROOKS		

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

05-MAY-2005 16:43
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13832

8/17/99



SYMBOLS	
★	TRAFFIC SIGNAL LOCATION.

SIGNS FURNISHED BY STATE
ALL SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER

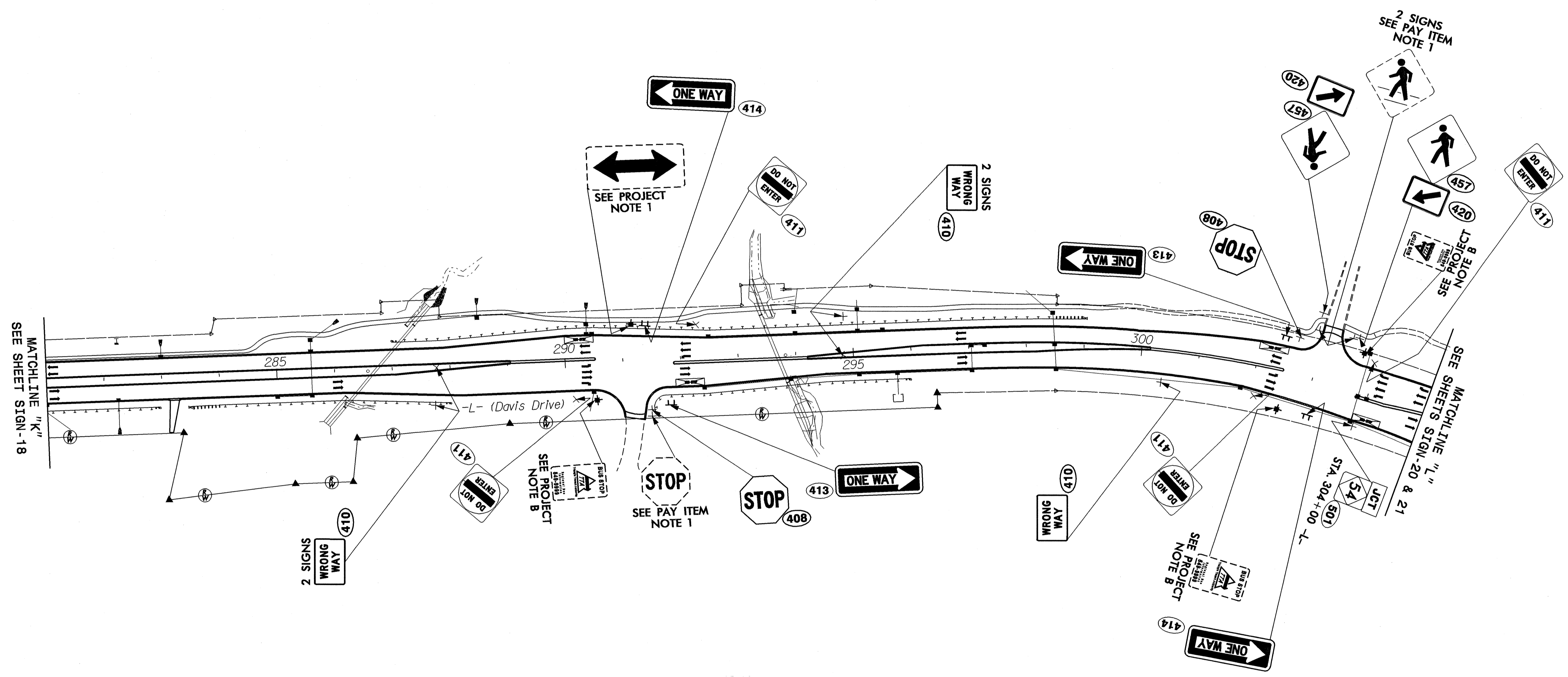
SEAL

LISA W. MOON
ENGINEER
022516
5-6-05

EXISTING AND PROPOSED SIGNS STA 258+00 -L- TO STA 281+00 -L- DAVIS DRIVE & SR 1978			
SCALE	1"=100'	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	MARCH 2005		
SIGNING TECHNICIAN	JAW / EMH	DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	
SIGNING DESIGN ENG	LM MOON		
SIGNING PROJECT ENG	JT BROOKS		

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13833



SYMBOLS	
★	TRAFFIC SIGNAL LOCATION.

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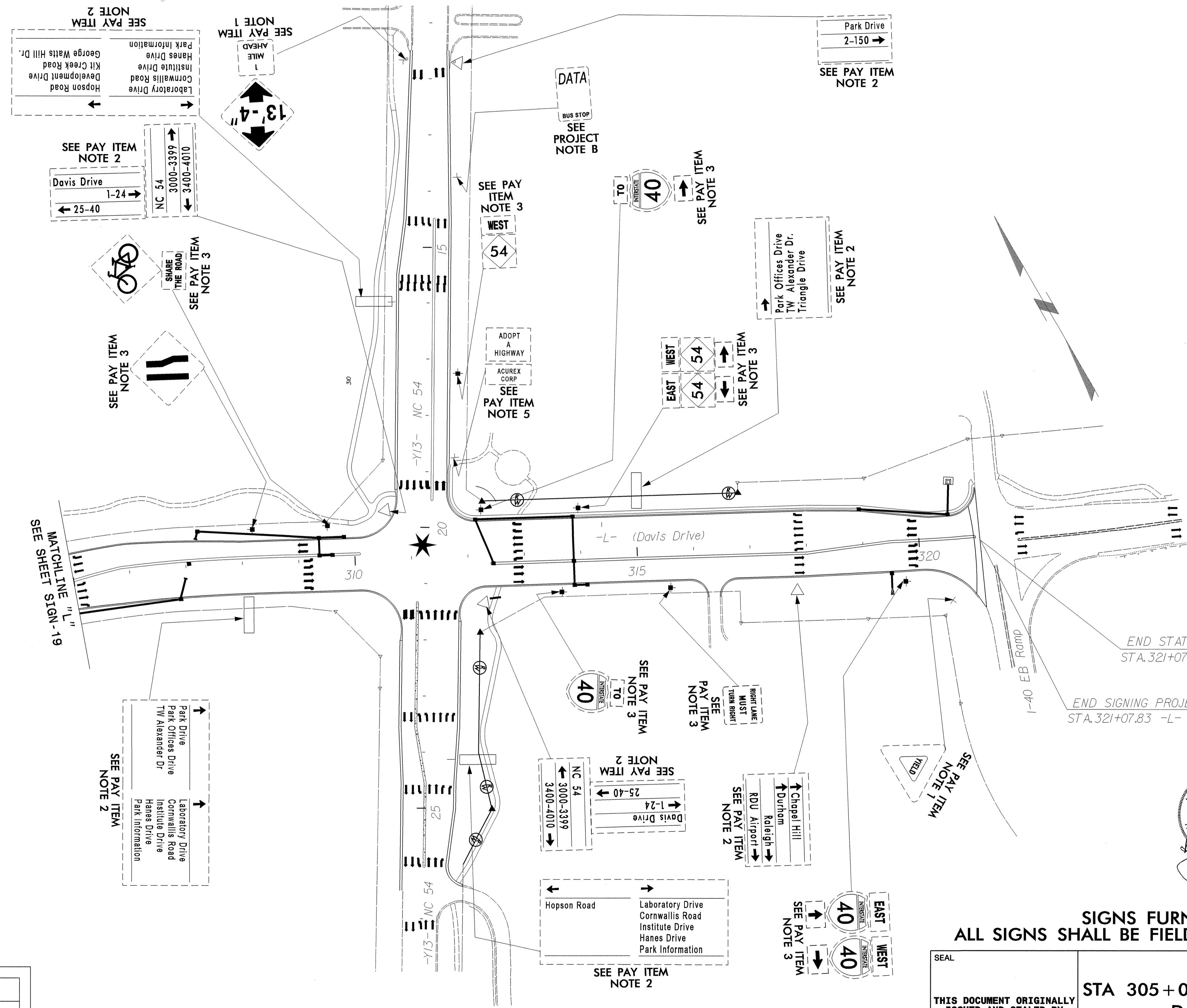
EXISTING AND PROPOSED SIGNS
STA 281+00 -L- TO STA 305+00 -L-
DAVIS DRIVE

SCALE	1"=100'	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MARCH 2005		
SIGNING TECHNICIAN	JAW / EMH		
SIGNING DESIGN ENG	LM MOON		
SIGNING PROJECT ENG	JT BROOKS		

SEAL

Lisa M. Moon
3-4-05

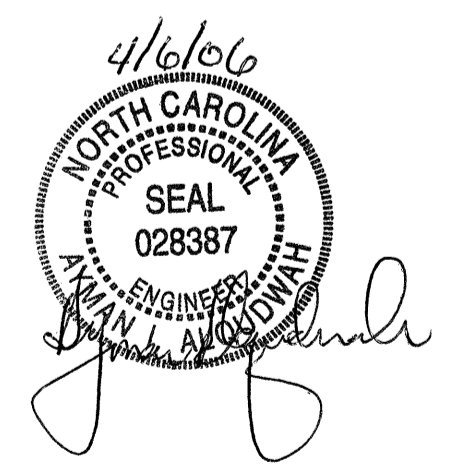
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MATCHLINE "L" SEE SHEET SIGN-19

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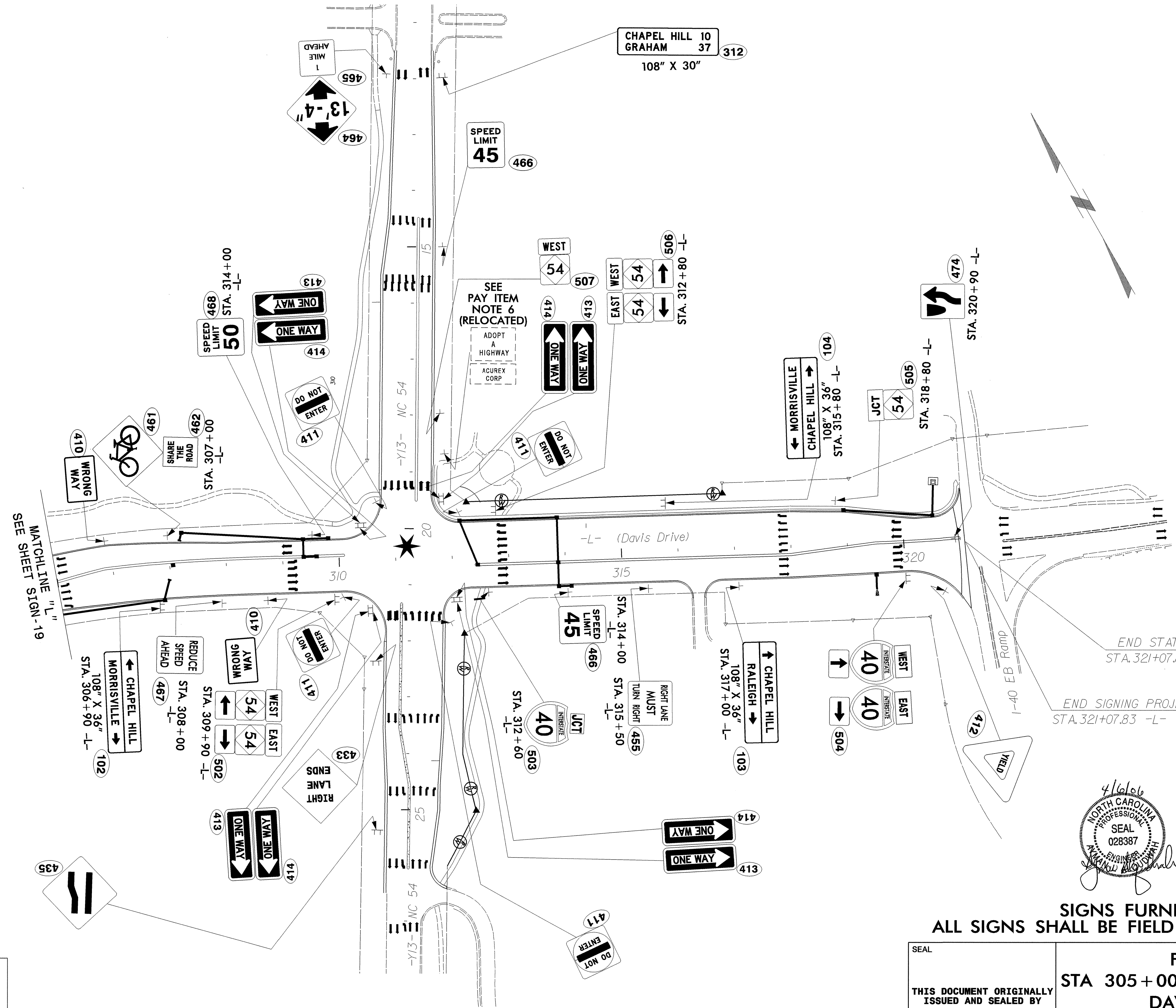


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SYMBOLS
★ TRAFFIC SIGNAL LOCATION.

SEAL THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY LISA M. MOON 022516 ON 3-04-05	EXISTING SIGNS		REVISIONS	
	STA 305+00 -L- TO STA 321+07.83 -L- DAVIS DRIVE & NC 54			
	SCALE	1"=100'		N. C. DEPARTMENT OF TRANSPORTATION
	DATE	MARCH 2005		DIVISION OF HIGHWAYS
SIGNING TECHNICIAN	JAW / EMH	TRAFFIC ENGINEERING BRANCH		
SIGNING DESIGN ENG	LM MOON			
SIGNING PROJECT ENG	JT BROOKS			

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STA. 321+07.83 -L-

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022516
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PROPOSED SIGNS		STA 305+00 -L- TO STA 321+07.83 -L- DAVIS DRIVE & NC 54	
SCALE	1" = 100'	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MARCH 2005		
SIGNING TECHNICIAN	JAW / EMH		
SIGNING DESIGN ENG	LM MOON		
SIGNING PROJECT ENG	JT BROOKS		

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