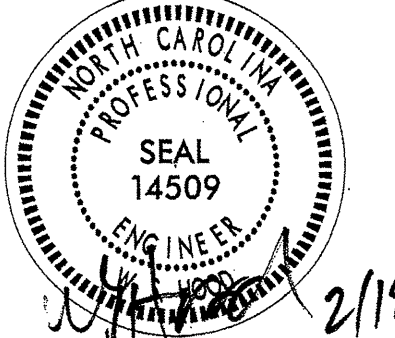


STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
CABARRUS COUNTY

LOCATION: ROBERTA RD. EXTENSION OVER NS/NCRR FROM
STALLINGS RD. (SR 1161) TO NC 49

TIP NO. P-5208D	SHEET NO. SIGN-1
APPROVED: _____	
DATE: _____	
	

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
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.30	SUPPLEMENTAL SIGN MOUNTING
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	TYPE "E" SIGNS
SIGN-2A	TYPE "F" SIGNS
SIGN-3-4	SIGNING DETAIL SHEETS

GENERAL NOTES

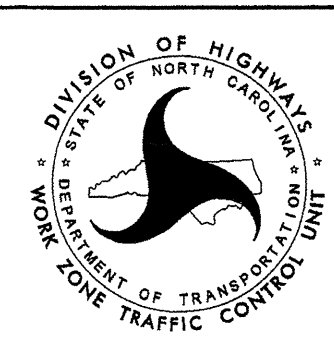
- . SIGNS FURNISHED BY CONTRACTOR
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . 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.
- . THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT TO THE N.C.D.O.T. FOR APPROVAL, DETAIL DRAWINGS OF LUMINAIRE RETRIEVAL SYSTEM MOUNTING ON OHS ASSEMBLY.
- . THE CONTRACTOR SHALL USE LUMINAIRE RETRIEVAL SYSTEM ON ALL OVERHEAD STRUCTURES. WALKWAY AND HANDRAIL IS NOT REQUIRED.
- . INSTALLATION OF LUMINAIRE RETRIEVAL SYSTEM SHALL ALLOW LUMINAIRE MAINTENACE FROM THE SHOULDER WITHOUT THE NEED FOR LANE CLOSURE. THE DRIVE HANDLE OF THE LUMINAIRE RETRIEVAL SYSTEM SHALL BE LOCATED A MINIMUM OF 0.92M (3 ') FROM THE RIGHT EDGE OF THE SHOULDER AWAY FROM THE ROADWAY TRAFFIC.
- . THE CONTRACTOR SHALL ENSURE THAT COORDINATION IS ESTABLISHED BETWEEN THE OHS ASSEMBLY AND LUMINAIRE RETRIEVAL SYSTEM FABRICATORS SO THAT A FULLY FUNCTIONAL SIGN AND LIGHTING SYSTEM IS INSTALLED. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY OHS ASSEMBLY AND LUMINAIRE RETRIEVAL SYSTEM INCOMPATIBILITIES, OR INSTALLATION OF A LIGHTING SYSTEM NOT FUNCTIONING TO ITS INTENDED PURPOSE.
- . 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.			
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	224.5	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN	6	S.F.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	364	LF.
4102000000	904	SIGN ERECTION, TYPE E	31	EA.
4108000000	904	SIGN ERECTION, TYPE F	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E	3	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	20	EA.

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

CHRIS HOWARD SIGNING & DELINEATION STANDARDS ENGINEER
MARK MANRIQUEZ SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: Michael Baker Engineering, Inc.

W. S. HOOD, PE PROJECT ENGINEER
J. TRUEBLOOD PROJECT DESIGN ENGINEER

MICHAEL BAKER ENGINEERING, INC.
8000 Regency Parkway, Suite 600
Cary, NC 27518
NC LICENSE NO. - F-1084

DGN

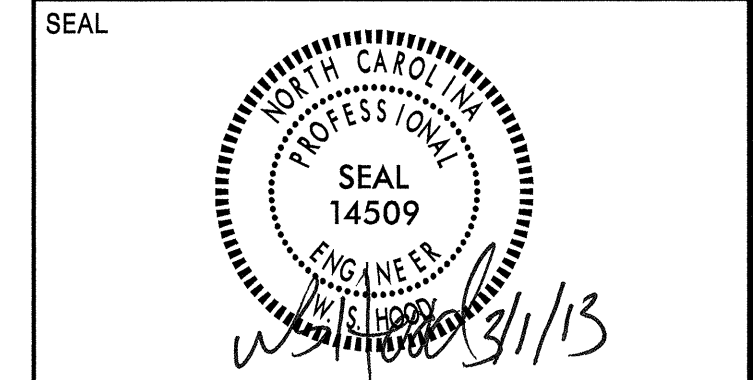
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J:\trueblood - AT - CHABL\TRU\BL00D

TIP NO. P-5208D	SHEET NO. SIGN-2
--------------------	---------------------

APPROVED: _____

DATE: _____



401 QUANTITY REQ'D 1

48 X 24
W1-7

TWO "U" POSTS PER SIGN

406 QUANTITY REQ'D 5

24 X 30
R4-7

ONE "U" POST PER SIGN

411 QUANTITY REQ'D 4

24 X 30
R2-1

ONE "U" POST PER SIGN

402 QUANTITY REQ'D 2

30 X 24
R3-17

ONE "U" POST PER SIGN

407 QUANTITY REQ'D 1

30 X 30
R3-7

ONE "U" POST PER SIGN

412 QUANTITY REQ'D 5

30 X 30
R1-1

ONE "U" POST PER SIGN

403 QUANTITY REQ'D 2

24 X 12
W4-4P

MOUNT BELOW SIGN R1-1

408 QUANTITY REQ'D 4

36 X 36
W23-2

ONE "U" POST PER SIGN

404 QUANTITY REQ'D 1

48 X 48
W14-1

ONE "U" POST PER SIGN

409 QUANTITY REQ'D 1

24 X 24
R3-2

MOUNT BELOW SIGN R1-1

405 QUANTITY REQ'D 2

30 X 12
R3-17bP

MOUNT BELOW SIGN R3-17

410 QUANTITY REQ'D 3

48 X 48
W3-3

ONE "U" POST PER SIGN

MICHAEL BAKER ENGINEERING, INC.
8000 Regency Parkway, Suite 600
Cary, NC 27518
NC LICENSE NO. - F-1084

TYPE "E" SIGNS

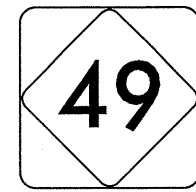
DGN

0077DEL_P10a4

501 QUANTITY REQ'D 1

NORTH

M3-1
24 X 12



M1-5
24 X 24

ONE "U" POST PER SIGN

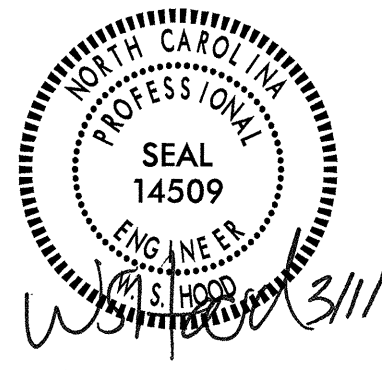
TIP NO. SHEET NO.

P-5208D SIGN-2A

APPROVED: _____

DATE: _____

SEAL

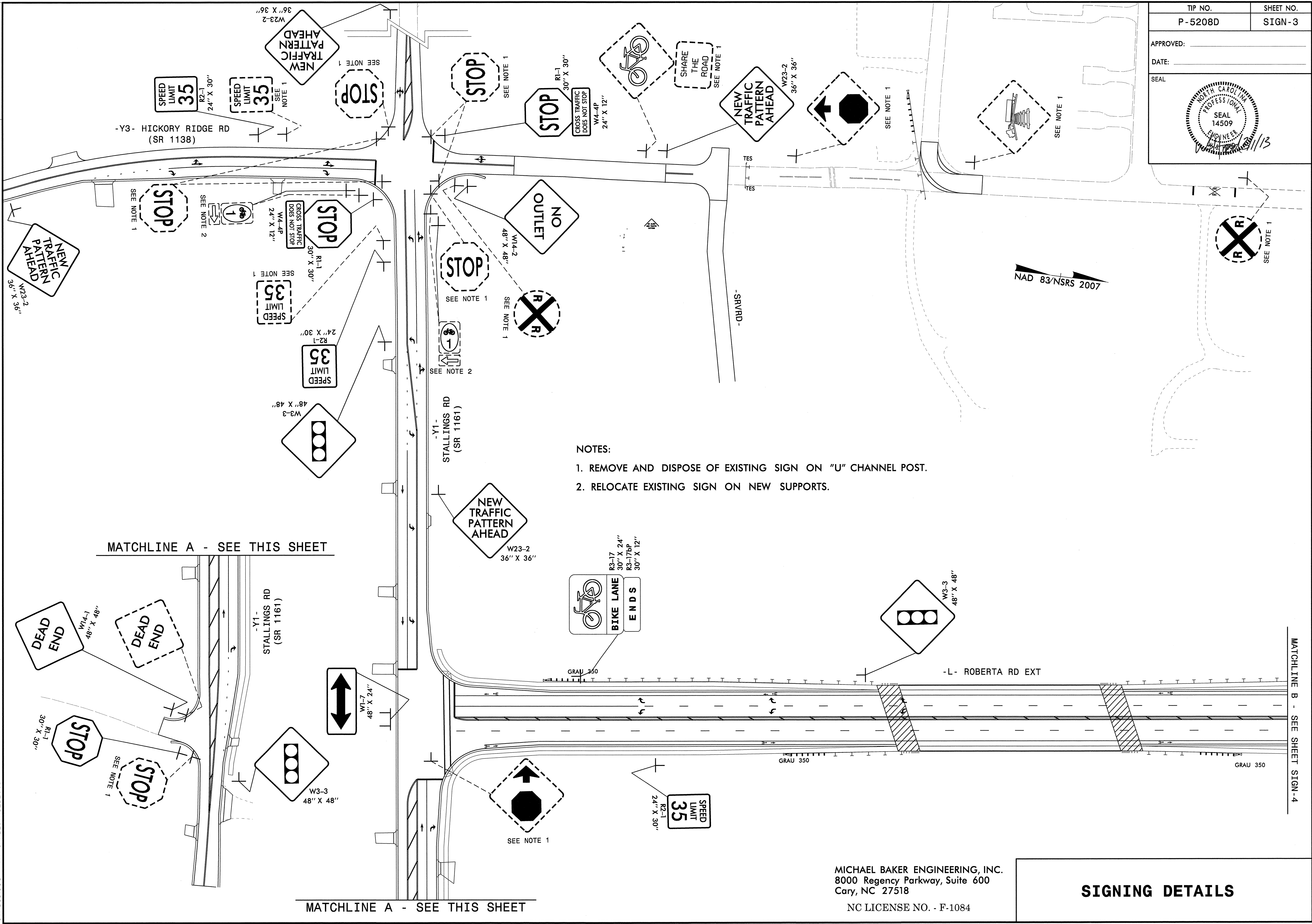


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JTR:ueblood AT CHABLJTR:ueblood

MICHAEL BAKER ENGINEERING, INC.
8000 Regency Parkway, Suite 600
Cary, NC 27518
NC LICENSE NO. - F-1084

TYPE "F" SIGNS

TIP NO. P-5208D	SHEET NO. SIGN-3
APPROVED: _____	
DATE: _____	
SEAL	



- NOTES:
1. REMOVE AND DISPOSE OF EXISTING SIGN ON "U" CHANNEL POST.
 2. RELOCATE EXISTING SIGN ON NEW SUPPORTS.

01-MAR-2013 10:26
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 J:\trueblood AT CHABLJ\TRUEBL000

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 8000 Regency Parkway, Suite 600
 Cary, NC 27518
 NC LICENSE NO. - F-1084

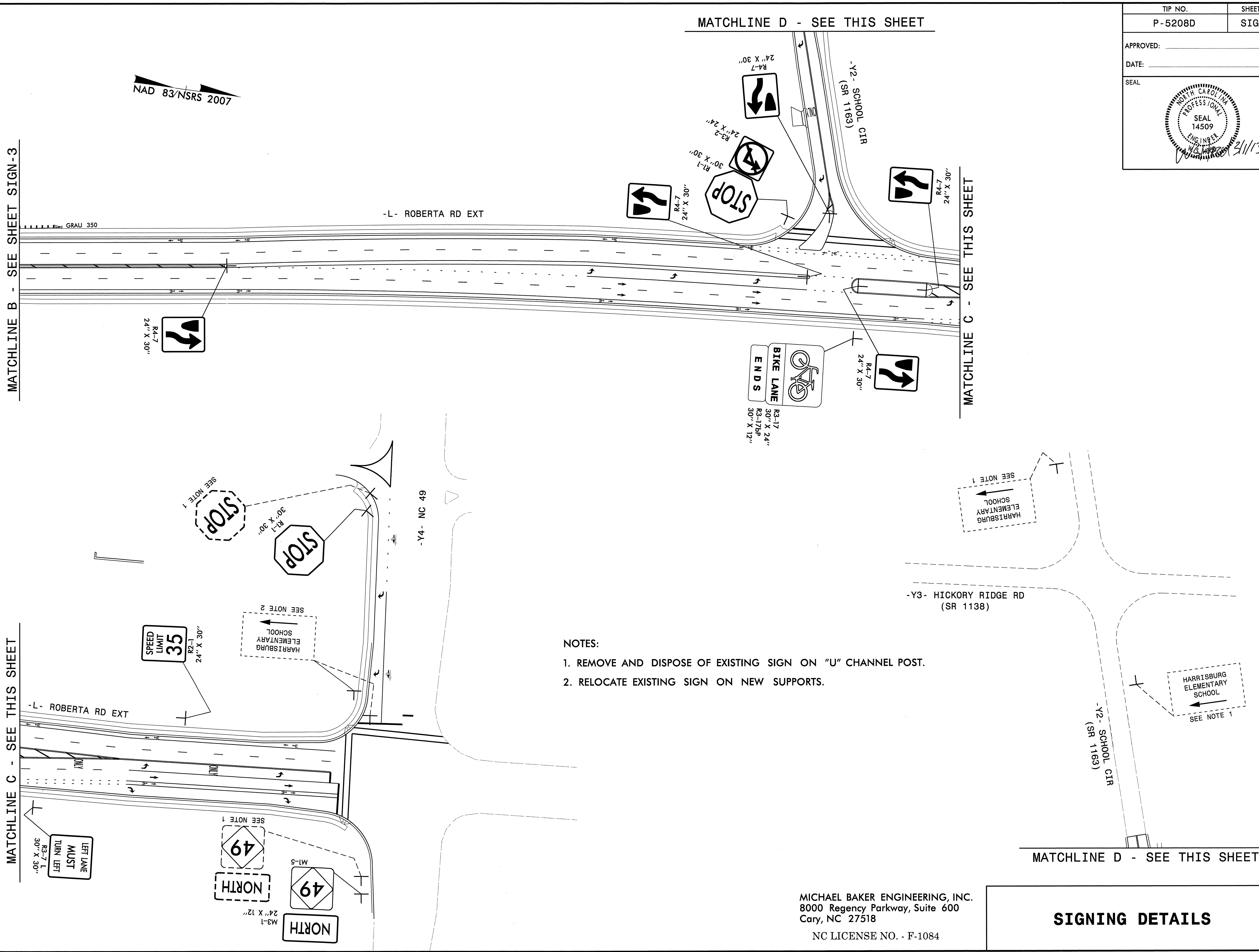
SIGNING DETAILS

MATCHLINE A - SEE THIS SHEET

MATCHLINE A - SEE THIS SHEET

MATCHLINE B - SEE SHEET SIGN-4

TIP NO. P-5208D	SHEET NO. SIGN-4
APPROVED: _____	
DATE: _____	
SEAL	



- NOTES:
1. REMOVE AND DISPOSE OF EXISTING SIGN ON "U" CHANNEL POST.
 2. RELOCATE EXISTING SIGN ON NEW SUPPORTS.

MICHAEL BAKER ENGINEERING, INC.
8000 Regency Parkway, Suite 600
Cary, NC 27518
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SIGNING DETAILS