

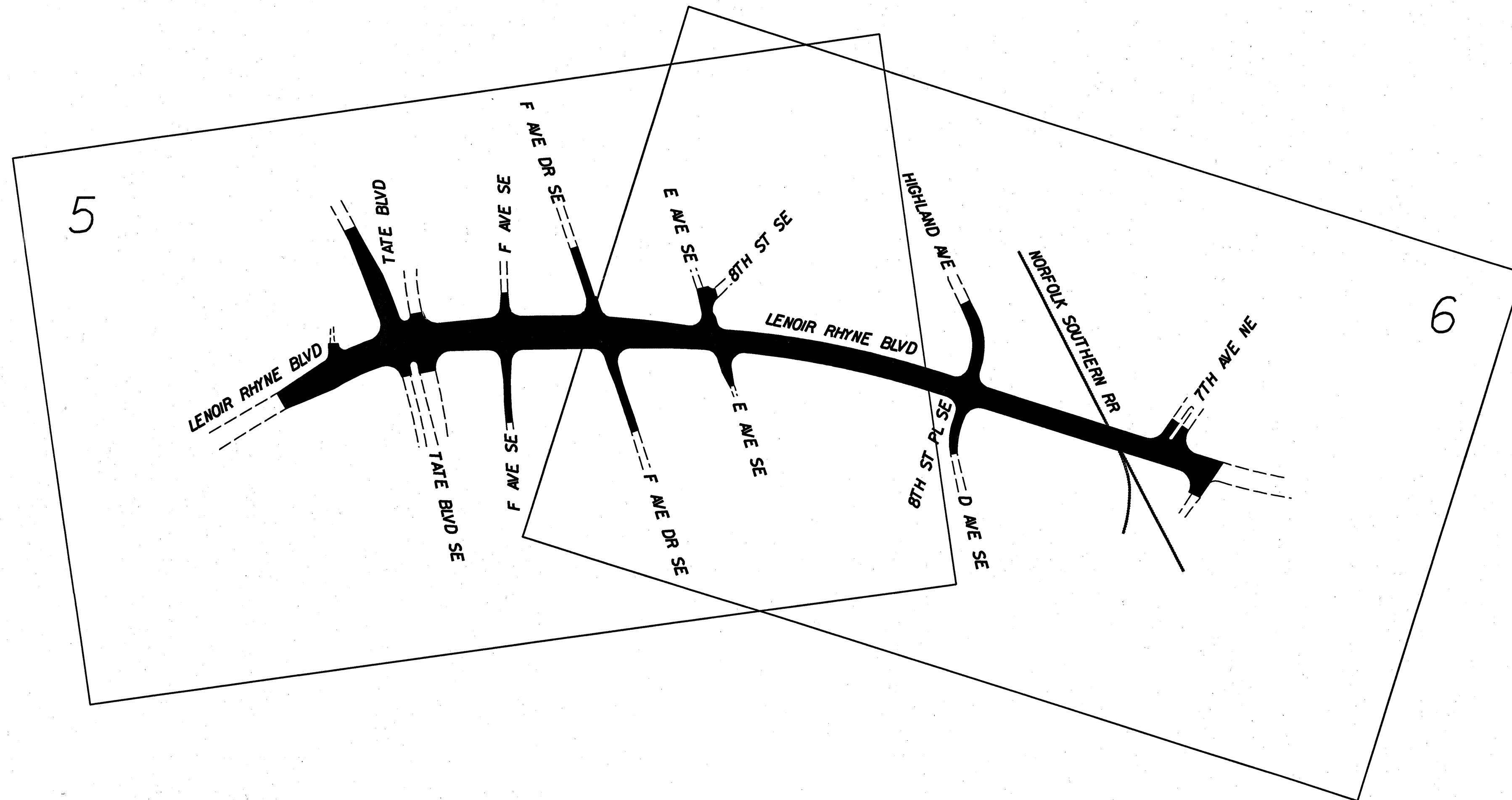
T.I.P.: U-2306A

CONTRACT: C200866



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

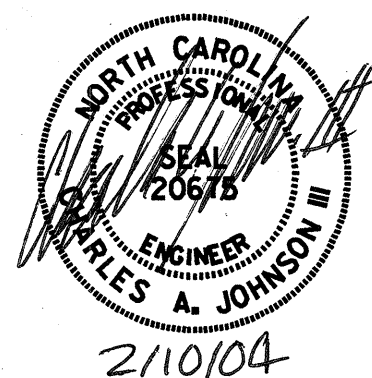
SIGNING PLANS
CATAWBA COUNTY



HNTB HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Rd., Suite 200
Raleigh, North Carolina 27609

PLANS PREPARED BY: K.H. IDE
APPROVED BY: C.A. JOHNSON III, P.E.

SEAL:



INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUMMARY OF QUANTITIES
3	NOTES
4	TYPE E SIGNS
5-6	SIGNING PLAN VIEW SHEETS



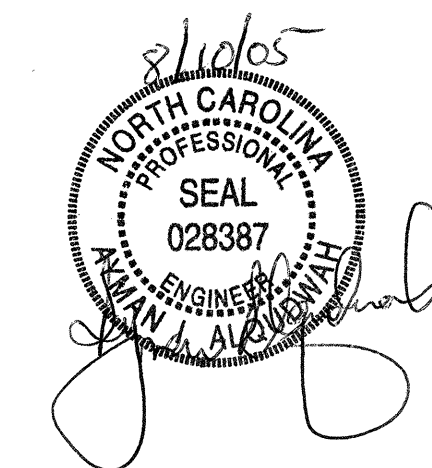
SIGNS

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.	4129000000	906	RELOCATE SIGN, MILEMARKERS		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE A SIGN		S.M.	4129200000	906	RELOCATE SUPPORT, OVERHEAD SIGN SYSTEM		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE B SIGN		S.M.	4129300000	906	RELOCATE SUPPORT, STEEL BEAM		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN		S.M.	4129400000	906	RELOCATE LIGHTING SYSTEM		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN		S.M.	4129500000	906	RELOCATE SUPPORT, WOOD		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN		S.M.	4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4025000000	901	CONTRACTOR FURNISHED, OVERLAYS SIGN		S.M.	4141000000	907	DISPOSAL OF SUPPORT, WOOD		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4025000000	901	CONTRACTOR FURNISHED, MILEMARKER SIGN		S.M.	4143000000	907	DISPOSAL OF SUPPORT, OVERHEAD STRUCTURE		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4048000000	902	REINFORCED CONCRETE SIGN FOOTINGS		C.M.	4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4054000000	902	PLAIN CONCRETE SIGN FOOTINGS		C.M.	4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4056000000	902	OVERHEAD FOOTING		EA.	4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	27	EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM		KG.	4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD		EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM		KG.	4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	11	EA.	S	SP	OVERHEAD SIGN ASSEMBLY " "		L.S.
4072000000	903	SUPPORTS, 4.5-KG STEEL U-CHANNEL	280	L.M.	4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4078000000	903	SUPPORTS, 3.0-KG STEEL U-CHANNEL		EA.	4236000000	907	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4079000000	903	SUPPORTS, BARRIER (SMALL)		EA.	4238000000	907	DISPOSAL OF SIGN, D, E, OR F	1	EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4080000000	903	SUPPORTS, BARRIER (LARGE)		EA.	4238500000	907	DISPOSAL OF SIGN, MILEMARKERS		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.
4081000000	903	SUPPORTS, OVERHEAD STRUCTURE " "		L.S.	4140000000	907	STOCKPILE SUPPORT, WOOD		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4082000000	903	SUPPORTS, WOOD		L.M.	4142000000	907	STOCKPILE SUPPORT, OVERHEAD STRUCTURE		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)		EA.	4148000000	907	STOCKPILE SIGN SYSTEM, OVERHEAD		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD)		EA.	4151000000	907	STOCKPILE SIGN SYSTEM, STEEL BEAM		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)		EA.	4154000000	907	STOCKPILE SIGN SYSTEM, U-CHANNEL		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)		EA.	4157000000	907	STOCKPILE SIGN SYSTEM, WOOD		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4096000000	904	SIGN ERECTION, TYPE D	6	EA.	4186000000	907	STOCKPILE SUPPORT, U-CHANNEL		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4102000000	904	SIGN ERECTION, TYPE E	44	EA.	4228000000	907	STOCKPILE SIGN, A OR B (OVERHEAD)		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4108000000	904	SIGN ERECTION, TYPE F		EA.	4235000000	907	STOCKPILE SIGN, A OR B (GROUND MOUNTED)		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4114000000	904	SIGN ERECTION, MILEMARKERS		EA.	4237000000	907	STOCKPILE SIGN, D, E OR F		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4115000000	904	SIGN ERECTION, OVERLAY (OVERHEAD)		EA.	4237500000	907	STOCKPILE SIGN, MILEMARKERS		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4116000000	904	SIGN ERECTION, OVERLAY (GROUND MOUNTED)		EA.	4250000000	907	STOCKPILE LIGHTING SYSTEM		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4116200000	904	SIGN ERECTION, REPOSITION OVERHEAD		EA.	4252000000	907	STOCKPILE LIGHTING FIXTURES		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4116300000	904	SIGN ERECTION, LOGO TO PANEL		EA.	4262000000	907	STOCKPILE WALKWAY		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4116400000	904	SIGN ERECTION, LOGO TRAILBLAZER		EA.	4277000000	908	TEMPORARY SIGN, TYPE A		S.M.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4116500000	904	SIGN ERECTION, WALKWAY		L.M.	4277000000	908	TEMPORARY SIGN, TYPE B		S.M.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE D		S.M.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE E		S.M.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4277000000	908	TEMPORARY SIGN, TYPE F		S.M.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE A		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4126000000	905	SIGN LIGHTING SYSTEM " "		L.S.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE B		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4129000000	906	RELOCATE SIGN, TYPE A (OVERHEAD)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE D		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4129000000	906	RELOCATE SIGN, TYPE B (OVERHEAD)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE E		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4129000000	906	RELOCATE SIGN, TYPE A (GROUND MOUNTED)		EA.	4278000000	908	TEMPORARY RELOCATE SIGN, TYPE F		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4129000000	906	RELOCATE SIGN, TYPE B (GROUND MOUNTED)		EA.	4279000000	908	TEMPORARY RELOCATE SIGN SUPPORT, STEEL BEAM		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4129000000	906	RELOCATE SIGN, TYPE D	1	EA.	4280000000	908	TEMPORARY RELOCATE SIGN SUPPORT, WOOD		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4129000000	906	RELOCATE SIGN, TYPE E	3	EA.	4285000000	908	TEMPORARY SIGN COVERS		EA.	S	SP	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY " "		L.S.
4129000000	906	RELOCATE SIGN, TYPE F	6	EA.										

ROADWAY STANDARD DRAWINGS
APPLICABLE TO THESE SIGNING PLANS

904.10
904.50



THIS DOCUMENT ORIGINALLY
ISSUED AND SEALED BY:
CHARLES A. JOHNSON III
20675
ON 02-20-04



HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609



Pay Item Notes:

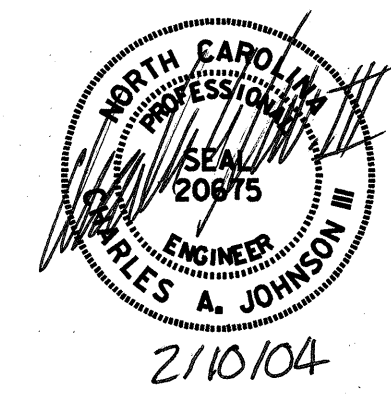
- 1 RELOCATE SIGN, TYPE D
- 2 RELOCATE SIGN, TYPE E
- 3 RELOCATE SIGN, TYPE F
- 4 DISPOSAL OF SUPPORT, U-CHANNEL
- 5 DISPOSAL OF SIGN, TYPE D, E OR F

General Notes:

- . SIGNS FURNISHED BY STATE
- . 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.

Project Notes:

- A INSTALL RELOCATED TYPE E & F SIGNS ON NEW U-CHANNEL POST.



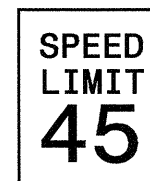
NOTES



TIP NO.
U-2306A

SHEET NO.
SIGN 4

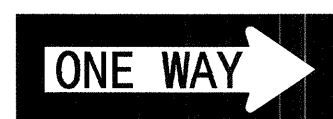
403 QUANTITY REQ'D _1_



610 X 762
R2-1

ONE "U" POST PER SIGN

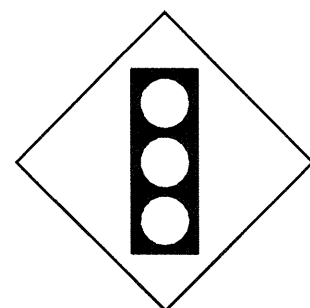
413 QUANTITY REQ'D _3_



1372 X 457
R6-1 (R)

TWO "U" POSTS PER SIGN

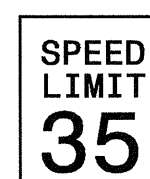
438 QUANTITY REQ'D _2_



914 X 914
W3-3

ONE "U" POST PER SIGN

404 QUANTITY REQ'D _1_



610 X 762
R2-1

ONE "U" POST PER SIGN

414 QUANTITY REQ'D _2_



1372 X 457
R6-1 (L)

TWO "U" POSTS PER SIGN
MOUNT ON BACK OF SIGN 413
IN 2 INSTALLATIONS

458 QUANTITY REQ'D _1_



762 X 762
W14-2

ONE "U" POST PER SIGN

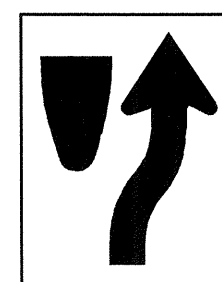
409 QUANTITY REQ'D _10_



762 X 762
R1-1

ONE "U" POST PER SIGN

415 QUANTITY REQ'D _2_



914 X 1219
R4-7

TWO "U" POSTS PER SIGN

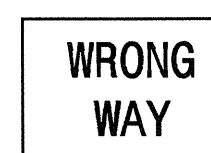
459 QUANTITY REQ'D _2_



610 X 914
R3-9B

ONE "U" POST PER SIGN

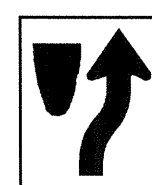
410 QUANTITY REQ'D _4_



914 X 610
R5-1a

ONE "U" POST PER SIGN

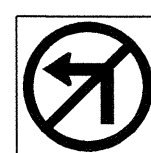
416 QUANTITY REQ'D _5_



610 X 762
R4-7

ONE "U" POST PER SIGN
MOUNT ON BACK OF SIGN 409
IN 1 INSTALLATION

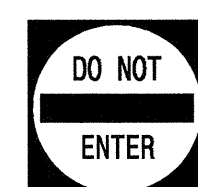
460 QUANTITY REQ'D _1_



610 X 610
R3-2

MOUNT BELOW SIGN 409
IN 1 INSTALLATION

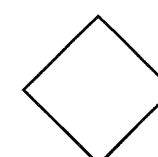
411 QUANTITY REQ'D _3_



762 X 762
R5-1

ONE "U" POST PER SIGN

417 QUANTITY REQ'D _7_



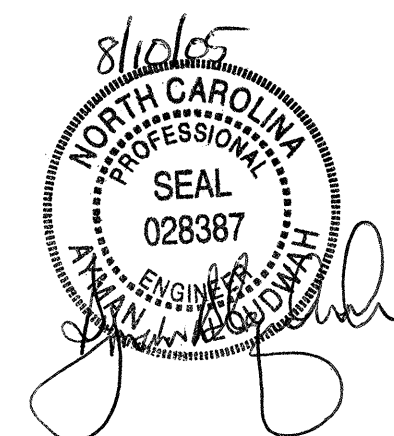
457 X 457
W23-15

MOUNT BELOW SIGN 415 IN 2 INSTALLATIONS
MOUNT BELOW SIGN 416 IN 5 INSTALLATIONS

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



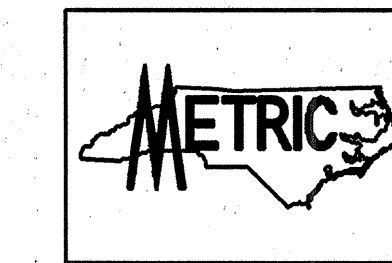
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609



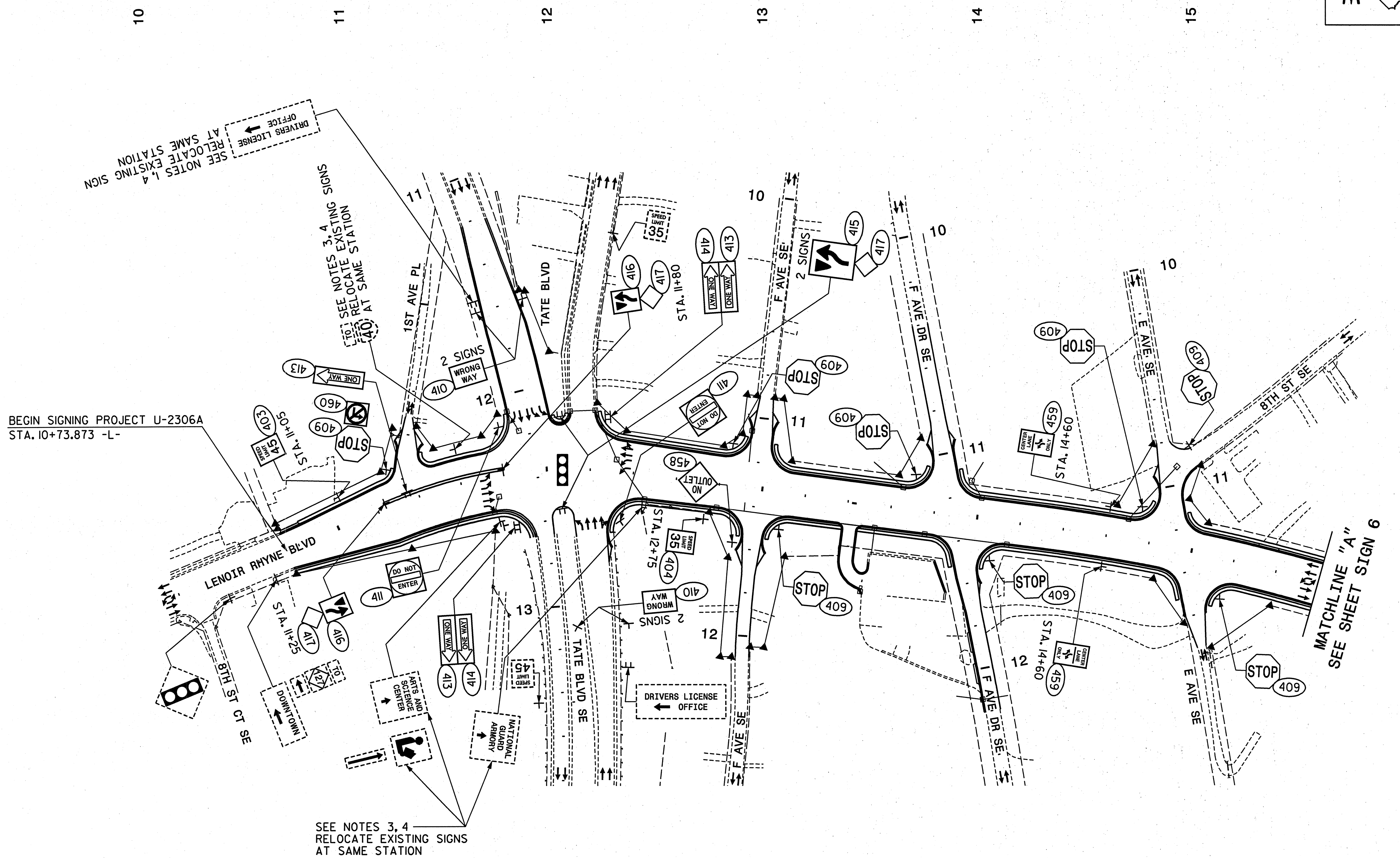
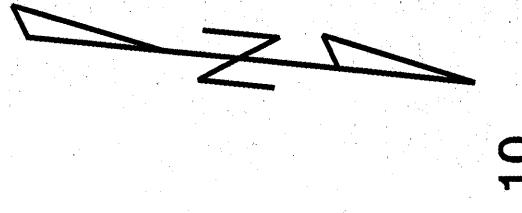
SEAL

THIS DOCUMENT ORIGINALLY
ISSUED AND SEALED BY:
CHARLES A. JOHNSON III
20675
ON 02-10-04

TYPE "E" SIGNS



STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	U-2306A	SIGN 5	
F. A. PROJECT NO.			
PROJECT ID. NO.			



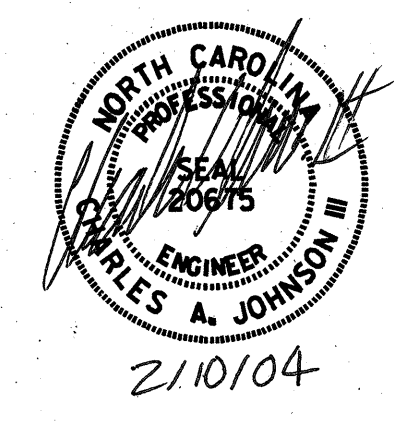
BEGIN SIGNING PROJECT U-2306A
STA. 10+73.873 -L-

SEE NOTES 1, 4
RELOCATE EXISTING SIGN
AT SAME STATION
DRIVERS LICENSE
OFFICE

SEE NOTES 3, 4
RELOCATE EXISTING SIGNS
AT SAME STATION

MATCHLINE "A"
SEE SHEET SIGN 6

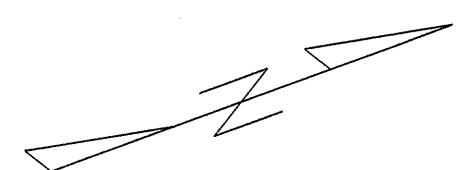
SIGNS FURNISHED BY STATE



HNTB HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609

Hickory - Lenoir Rhyne Boulevard
EXISTING AND PROPOSED SIGNS
BEGIN PROJECT TO STA. 15+60 -L-

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	11/2003		
DWG. BY	KHI		
DESIGN BY	KHI		
APPROVED	CAJ		



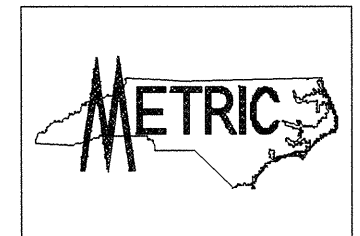
16

17

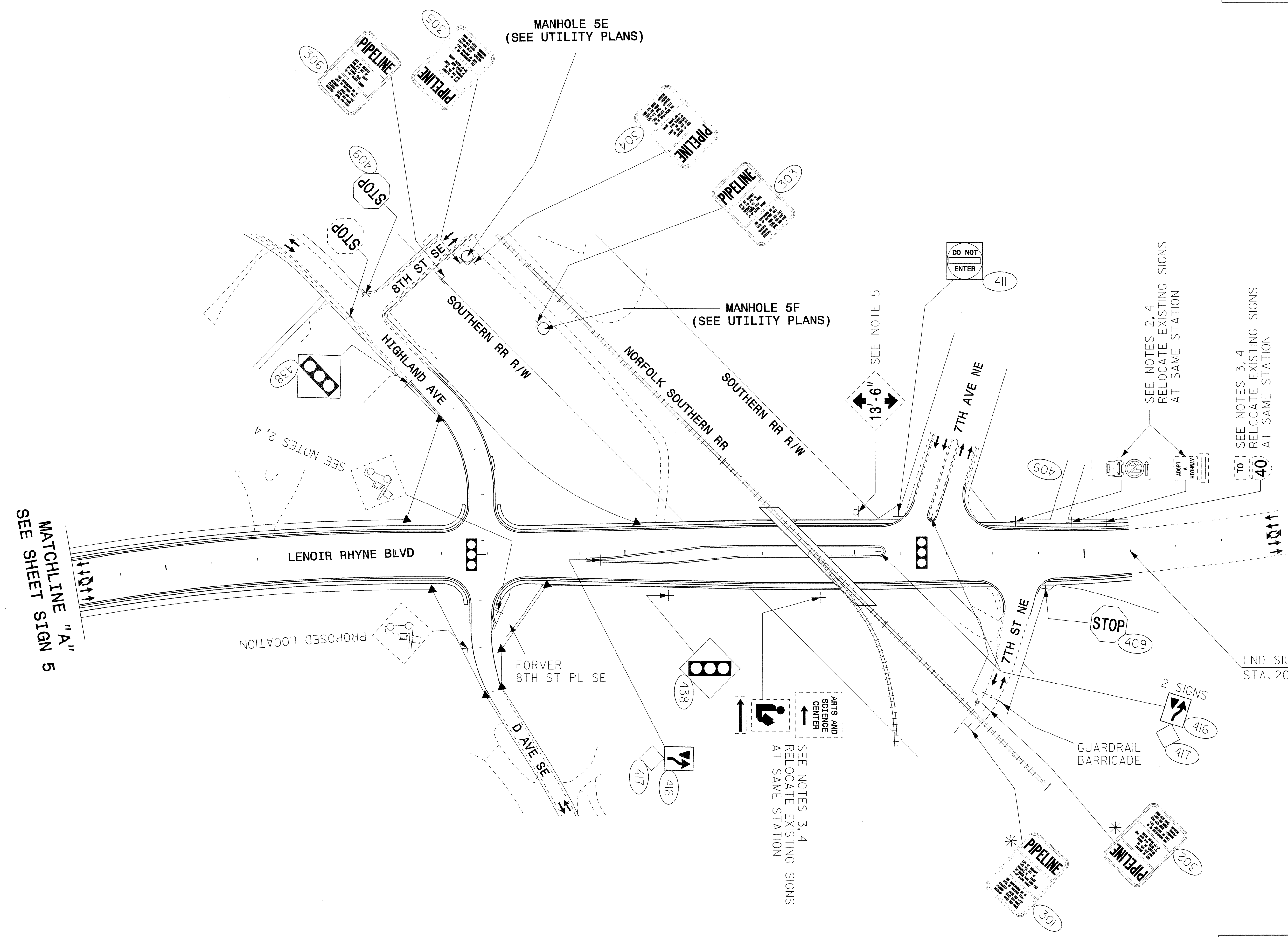
18

19

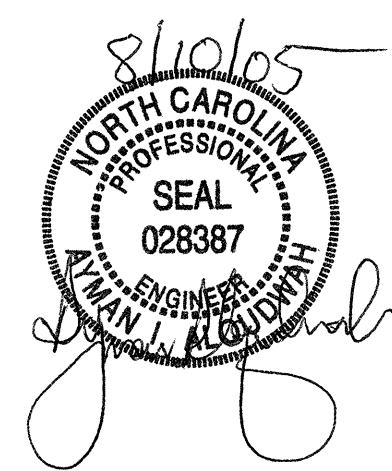
20



STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N. C.	U-2306A	SIGN 6	
F. A. PROJECT NO.			
PROJECT ID. NO.			



* NOTE: ERECT SIGN 7.6M FROM CENTERLINE OF RAILROAD



THIS DOCUMENT ORIGINALLY
ISSUED AND SEALED BY:
CHARLES A. JOHNSON III
20675
ON 02-10-04

SIGNS FURNISHED BY STATE

HNTB HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609

**Hickory - Lenoir Rhyne Boulevard
EXISTING AND PROPOSED SIGNS
STA. 15+60 -L- TO END OF PROJECT**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	11/2003		
DWG. BY	KHI		
DESIGN BY	KHI		
APPROVED	CAJ		