


T.I.P.: U-2525B

CONTRACT: C203399

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

TIP NO. U-2525B	SHEET NO. PMP-1
APPROVED: <i>Ronda B. Early</i>	
DATE: 1-28-14	
	

**Part 3 of 4**

**PAVEMENT MARKING PLAN  
GUILFORD COUNTY**

**LOCATION: GREENSBORO EASTERN LOOP FROM NORTH OF  
US 70 RELOCATION TO US 29 NORTH OF GREENSBORO**

**ROADWAY STANDARD DRAWINGS**

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
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE AND MULTI LANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXIT & ENTRANCE RAMP
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS & WORD MESSAGES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT & TEMPORARY
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES & MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION
1267.01	FLEXIBLE DELINEATORS - INSTALLATION
1267.02	FLEXIBLE DELINEATORS - SPACING TABLES
1267.03	FLEXIBLE DELINEATORS - INTERCHANGE PLACEMENT

**INDEX**

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN COVER SHEET
PMP-1A	PAVEMENT MARKING LEGEND & SCHEDULE
PMP-1B	CROSSWALK & STOPBAR PAVEMENT MARKING DETAIL
PMP-02 THRU PMP-36	PAVEMENT MARKING DETAILS

**GENERAL NOTES**

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
-L- (I-840)	POLYUREA W/ HIGHLY REFLECTIVE ELEMENTS	SNOWPLOWABLE
-L- (I-840) BRIDGES	POLYUREA W/ HIGHLY REFLECTIVE ELEMENTS	RAISED
ALL OTHER ROADS	THERMOPLASTIC	SNOWPLOWABLE
-Y- LINE BRIDGES	COLD APPLIED PLASTIC (TYPE 2)	RAISED

B) IN LIEU OF POLYUREA FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS, USE HEATED-IN-PLACE THERMOPLASTIC OR EXTRUDED THERMOPLASTIC MARKINGS.

C) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY WATER BLASTING OR GRINDING ON BRIDGE DECK(S) PRIOR TO PLACING POLYUREA PAVEMENT MARKINGS.

D) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

E) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS THAT HAVE BEEN DAMAGED BY THE END OF EACH DAY'S OPERATION.

F) PASSING ZONE(S) WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.

G) MARKERS SHALL BE INSTALLED ACCORDING TO THE NCDOT ROADWAY STANDARD DRAWING 1250.01.

H) STOPBAR LOCATIONS AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

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

<i>S. Kunz</i>	SIGNING & DELINEATION REGIONAL ENGINEER
<i>S. Coleman</i>	SIGNING & DELINEATION PROJECT DESIGN ENGINEER

**PLAN PREPARED BY: HNTB NORTH CAROLINA**

<i>R. B. Early, PE</i>	PROJECT ENGINEER
<i>J. Phillips</i>	PROJECT DESIGNER

HNTB

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C-1554

# FINAL PAVEMENT MARKING SCHEDULE

MATERIAL	SYMBOL	DESCRIPTION
<b>PAVEMENT MARKING</b>		
<b>THERMOPLASTIC (4", 90 MILS)</b>		
	TA	WHITE EDGELINE
	TB	YELLOW EDGELINE
<b>THERMOPLASTIC (4", 120 MILS)</b>		
	T8	WHITE MINISKIP 2'/6'
	TC	WHITE SKIP
	TD	WHITE MINISKIP 3'/9'
	TE	WHITE SOLID LANE LINE
	TI	YELLOW DOUBLE CENTER LINE
<b>THERMOPLASTIC (6", 90 MILS)</b>		
	T6	WHITE EDGELINE
	T7	YELLOW EDGELINE
<b>THERMOPLASTIC (6", 120 MILS)</b>		
	T11	WHITE MINI SKIP (2'/6')
	TJ	WHITE SKIP
	TK	WHITE MINISKIP (3'/9')
	TL	WHITE SOLID LANE LINE
<b>THERMOPLASTIC (8", 90 MILS)</b>		
	TN	WHITE GORELINE
	TP	YELLOW DIAGONAL
<b>THERMOPLASTIC (8", 120 MILS)</b>		
	TQ	WHITE CROSSWALK LINE
<b>THERMOPLASTIC (12", 90 MILS)</b>		
	TS	WHITE GORELINE
	TU	WHITE DIAGONAL
<b>THERMOPLASTIC (24", 120 MILS)</b>		
	T2	WHITE STOP BAR
<b>POLYUREA (6", HIGHLY REFLECTIVE ELEMENTS)</b>		
	V6	WHITE EDGELINE
	V7	YELLOW EDGELINE
	VJ	10' WHITE SKIP
	VK	WHITE MINISKIP (3'/9')
	VL	WHITE SOLID LANE LINE
<b>POLYUREA (12", HIGHLY REFLECTIVE ELEMENTS)</b>		
	VS	WHITE GORELINE

<b>COLD APPLIED PLASTIC (4")</b>		
	CA	WHITE EDGELINE
	CB	YELLOW EDGELINE
	CC	WHITE SKIP
	CD	WHITE MINISKIP 3'/9'
	CI	YELLOW DOUBLE CENTER LINE
<b>COLD APPLIED PLASTIC (8")</b>		
	CP	YELLOW DIAGONAL
<b>COLD APPLIED PLASTIC (12")</b>		
	CU	WHITE DIAGONAL
<b>THERMOPLASTIC SYMBOL (90 MILS)</b>		
	UA	LEFT ARROW
	UB	RIGHT ARROW
	UC	STRAIGHT ARROW
	UD	COMBO STRAIGHT/LEFT ARROW
	UE	COMBO STRAIGHT/RIGHT ARROW
	UG	COMBO LEFT/RIGHT/STRAIGHT ARROW
	UP	MERGE ARROW
<b>THERMOPLASTIC CHARACTERS (120 MILS)</b>		
	UI	ALPHA-NUMERIC CHARACTER
<b>COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL</b>		
	DA	LEFT ARROW
	DB	RIGHT ARROW
	DP	MERGE ARROW
<b>COLD APPLIED PLASTIC CHARACTERS</b>		
	DI	ALPHA-NUMERIC CHARACTER

## LEGEND

**GENERAL**

DIRECTION OF TRAFFIC FLOW  
 NORTH ARROW  
 PROPOSED PVMT.    EXIST. PVMT.

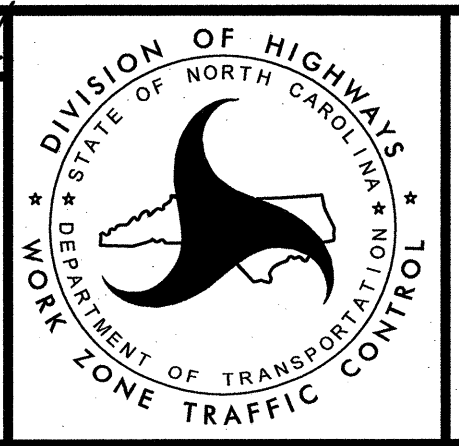
**PAVEMENT MARKINGS**

PAVEMENT MARKING SYMBOLS

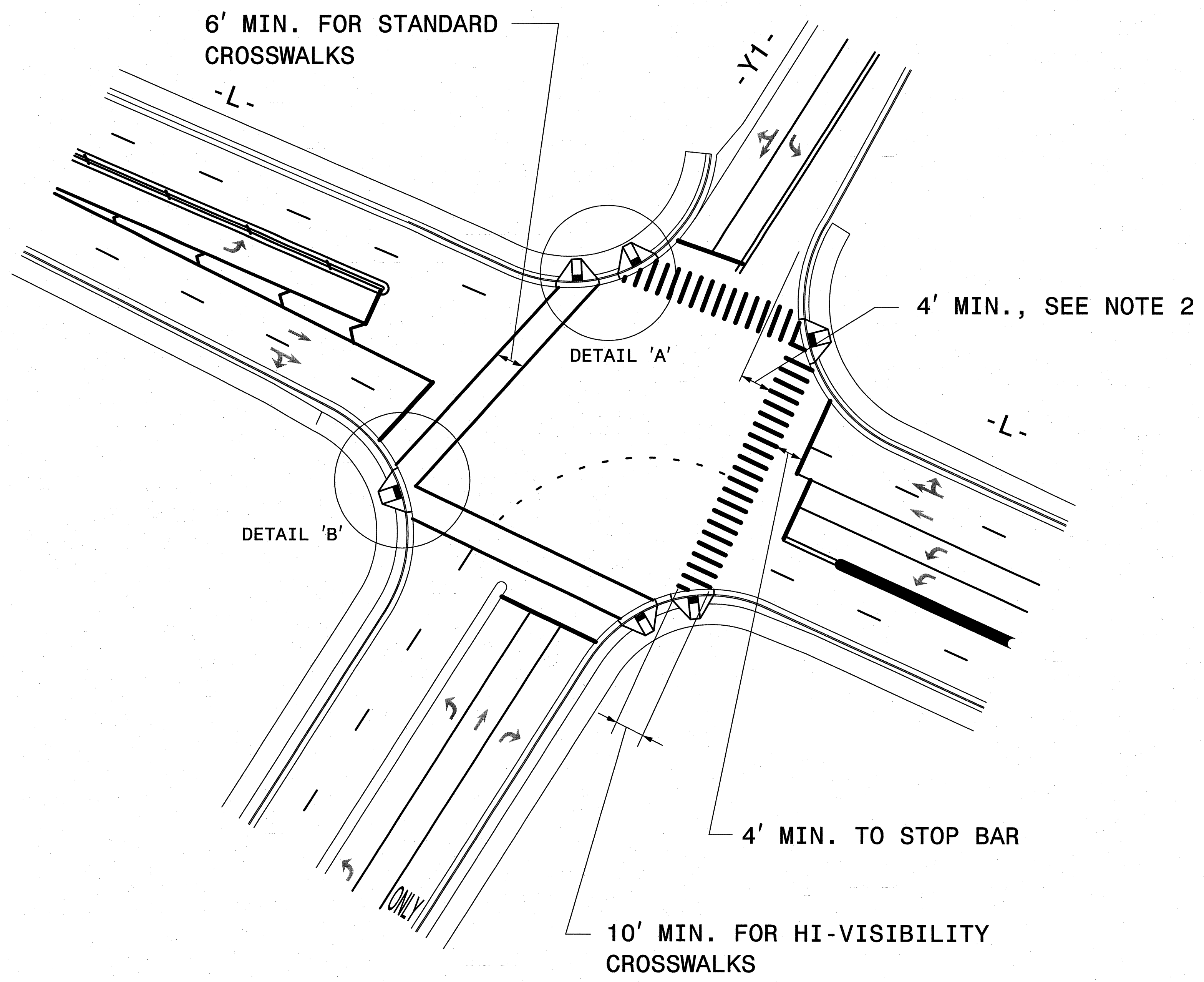
8/17/99  
 REVISIONS  
 QA/QC STAGE:  
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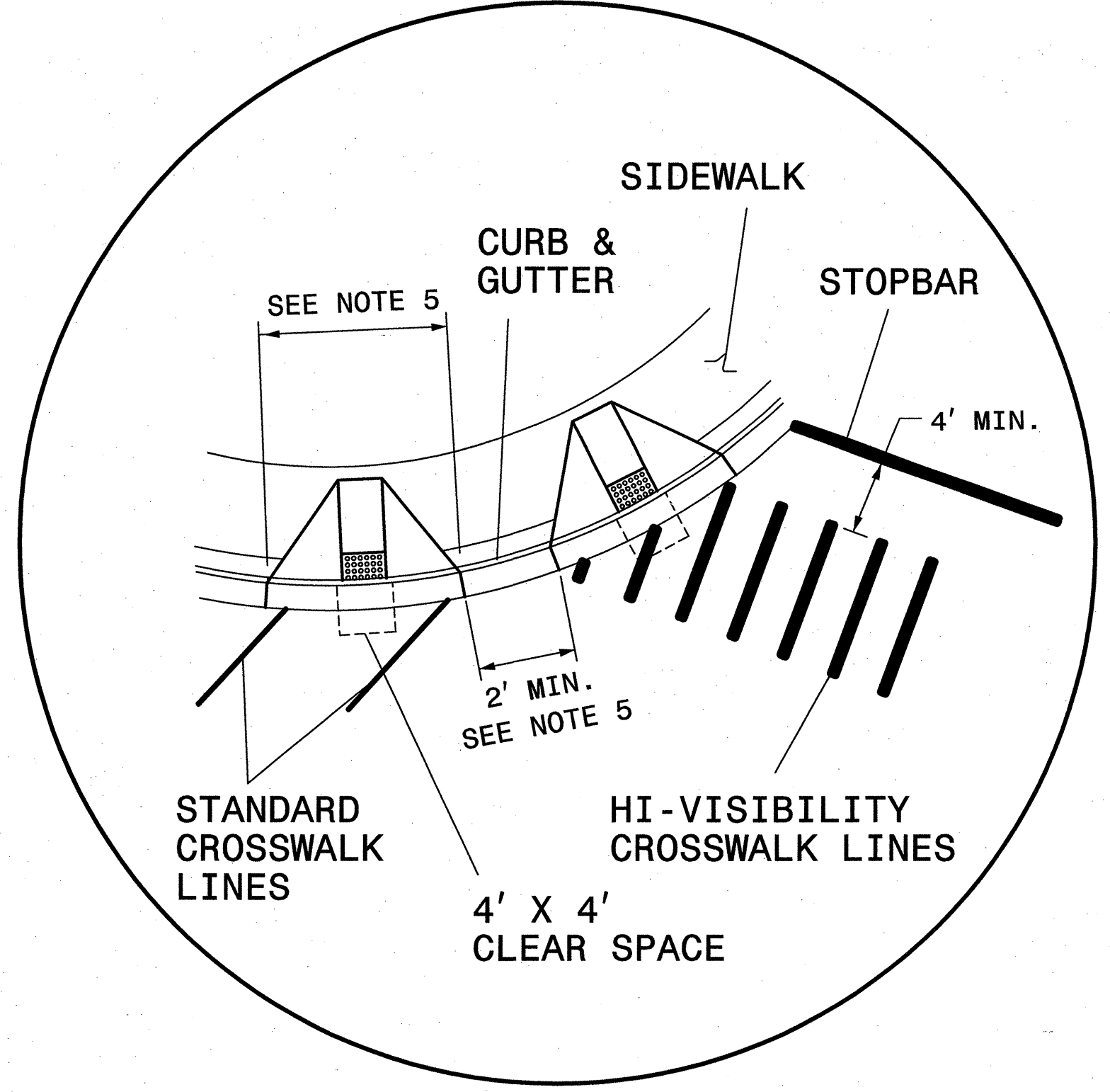


TRANSPORTATION  
 MANAGEMENT PLAN  
  
**FINAL PAVEMENT  
 MARKING SCHEDULE  
 & LEGEND**

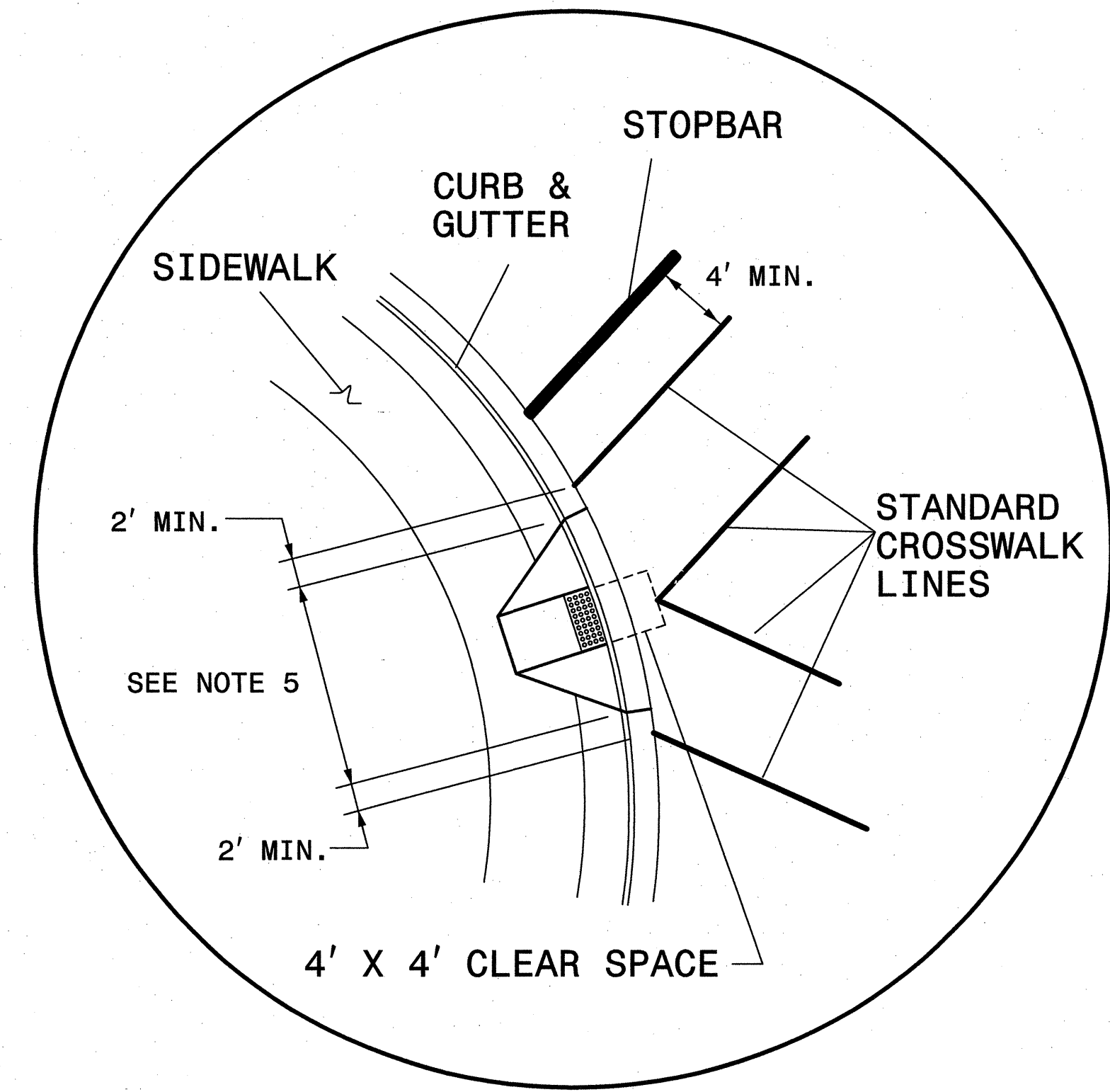


**GUIDANCE DETAIL FOR STANDARD AND HI-VISIBILITY CROSSWALKS AT SIGNALIZED OR STOP SIGN CONTROLLED INTERSECTIONS**

- NOTES:
1. USE DETAILS ABOVE AND THE FOLLOWING NOTES FOR GUIDANCE IN PLACING CROSSWALKS AND STOP BARS NOT STATIONED ON THE DETAIL SHEETS OR WHEN FIELD ADJUSTMENTS REQUIRED MOVING STATIONED MARKINGS AS DIRECTED BY THE ENGINEER. REFER TO NCDOT ROADWAY STANDARD DRAWINGS, MUTCD AND ADA STANDARDS FOR ADDITIONAL GUIDANCE.
  2. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.
  3. BEYOND THE CURB FACE, A CLEAR SPACE OF 4' X 4' MINIMUM SHALL BE PROVIDED WITHIN THE WIDTH OF THE CROSSWALK.
  4. SINGLE DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 2 FEET LONG MINIMUM LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING, SEE DETAIL 'B'.
  5. CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCDOT ROADWAY STANDARD DRAWINGS.



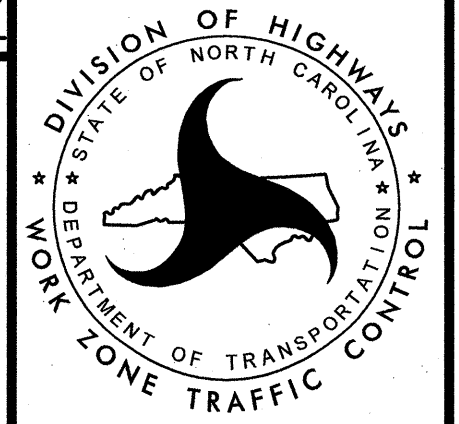
**DETAIL 'A'- DUAL CURB RAMPS**



**DETAIL 'B'- SINGLE DIAGONAL CURB RAMP**

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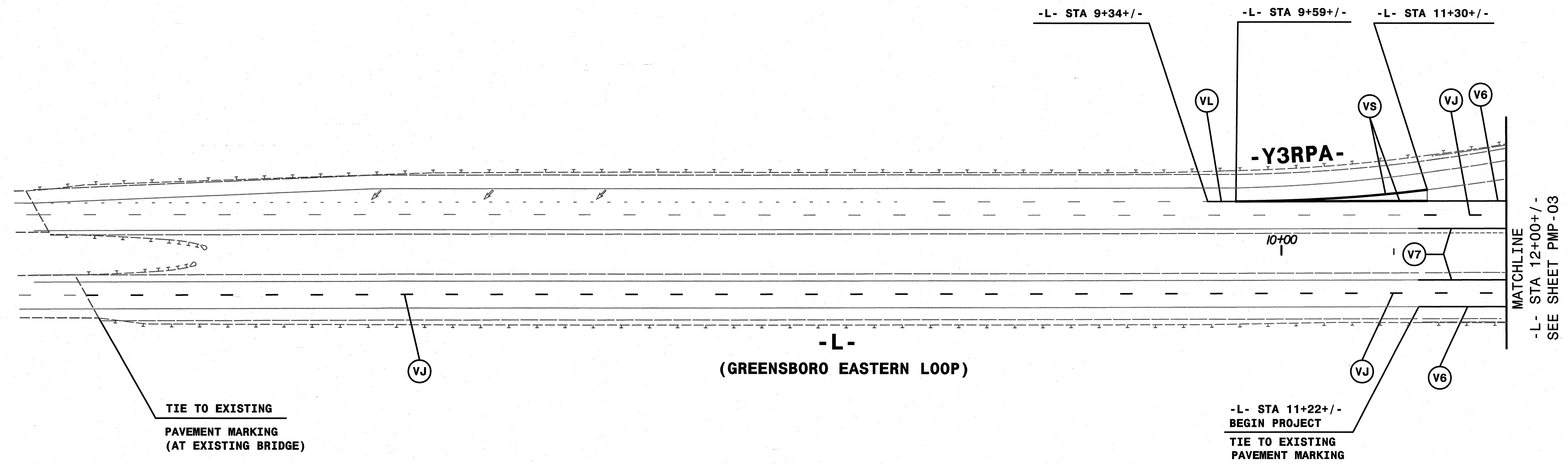
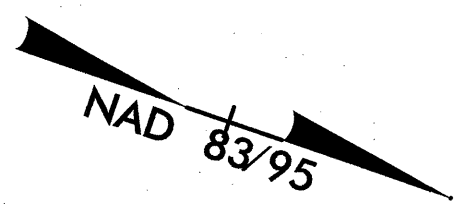
DETAIL PROVIDED BY:  
NCDOT  
SIGNING &  
DELINEATION UNIT



TRANSPORTATION  
MANAGEMENT PLAN  
**CROSSWALK & STOP BAR  
PAVEMENT MARKING  
DETAIL**

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 REVISIONS  
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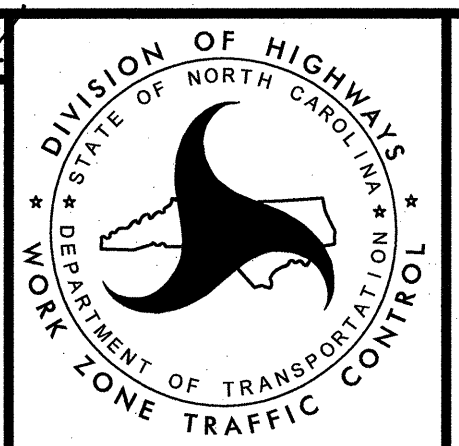
REMOVE EXISTING MERGE SYMBOLS ON NBL PRIOR TO -L- STA 10+00+/-

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

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APPROVED: *Frank S. Early* DATE: 1-28-14

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 FRANK S. EARLY  
 SEAL 023521

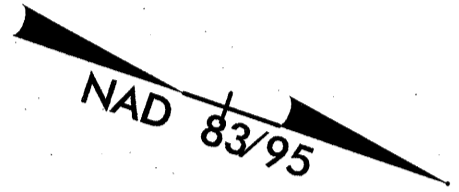
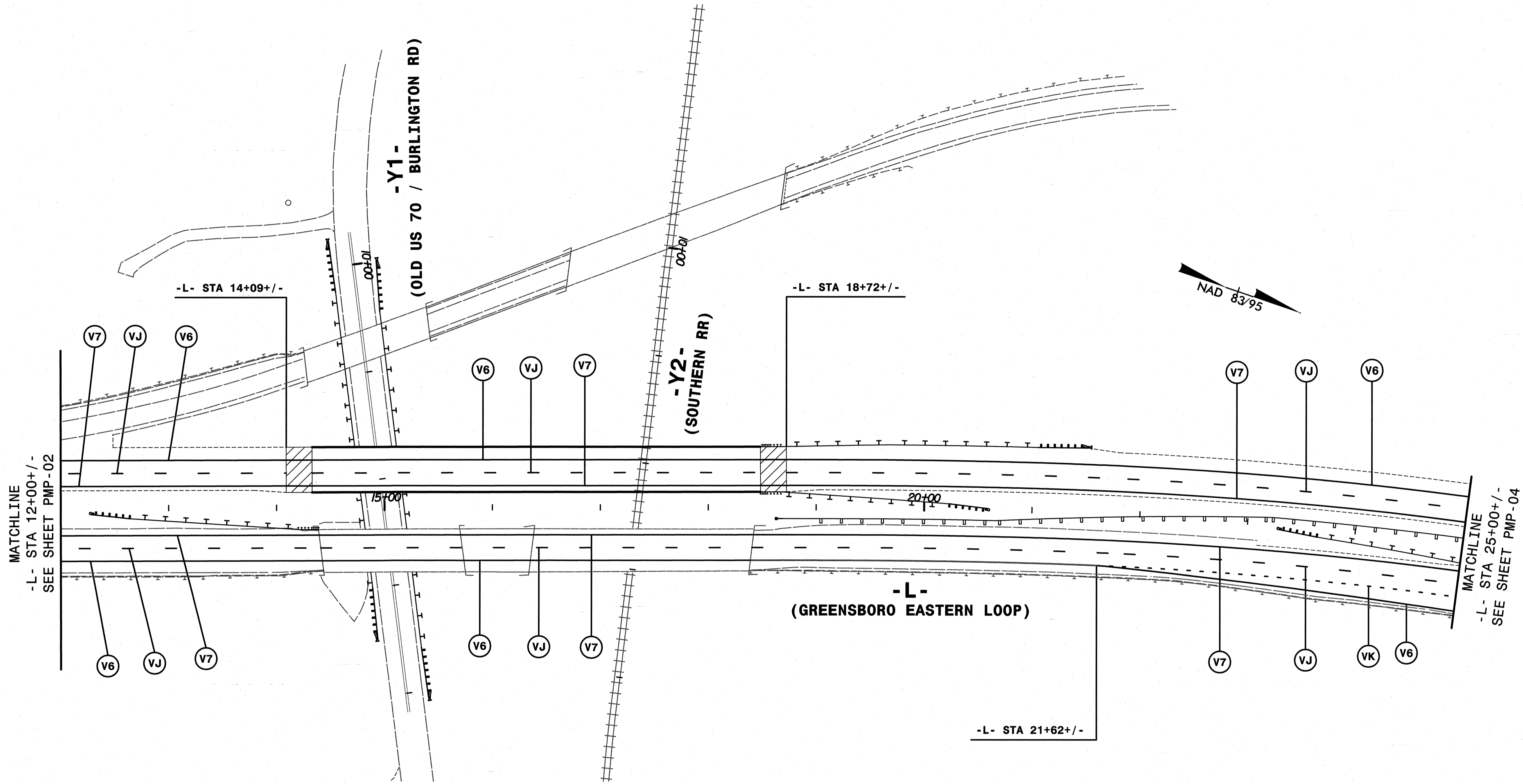


TRANSPORTATION MANAGEMENT PLAN

FINAL PAVEMENT MARKING PLANS

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8/17/99



REVISIONS

MATCHLINE  
-L- STA 12+00+/-  
SEE SHEET PMP-02

MATCHLINE  
-L- STA 25+00+/-  
SEE SHEET PMP-04

-L-  
(GREENSBORO EASTERN LOOP)

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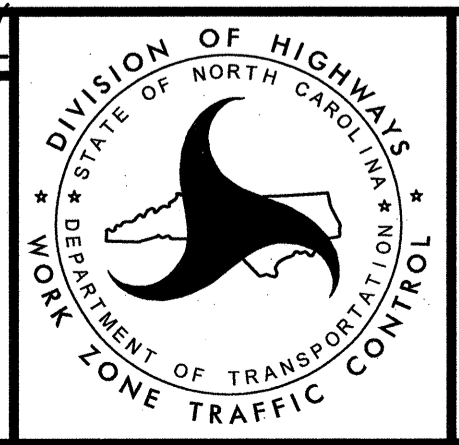
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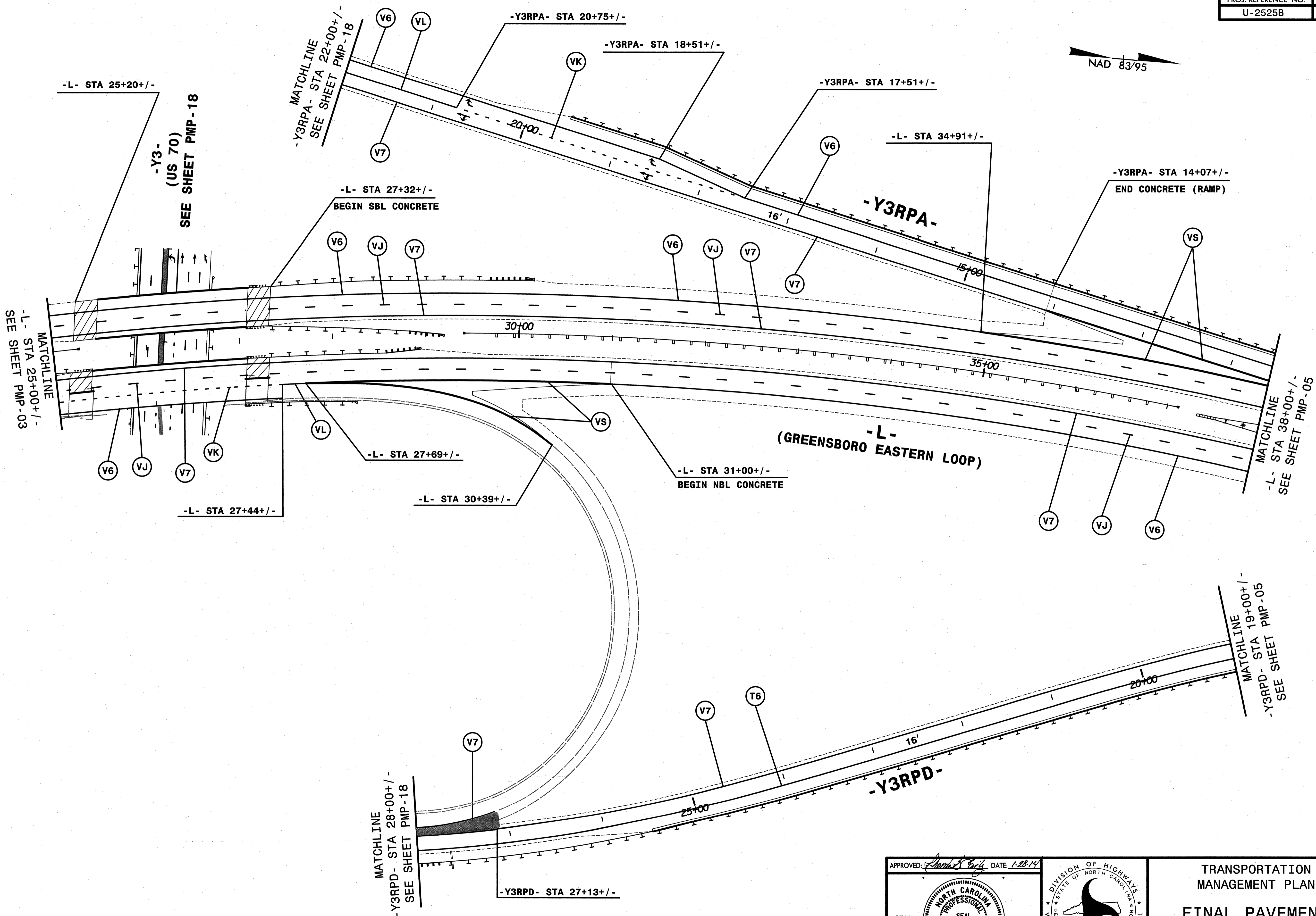
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TRANSPORTATION  
MANAGEMENT PLAN

**FINAL PAVEMENT  
MARKING PLANS**

NAD 83/95



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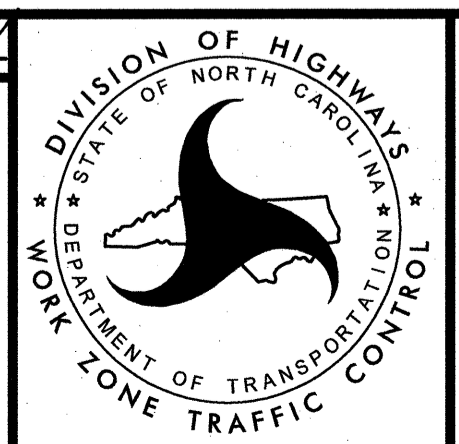
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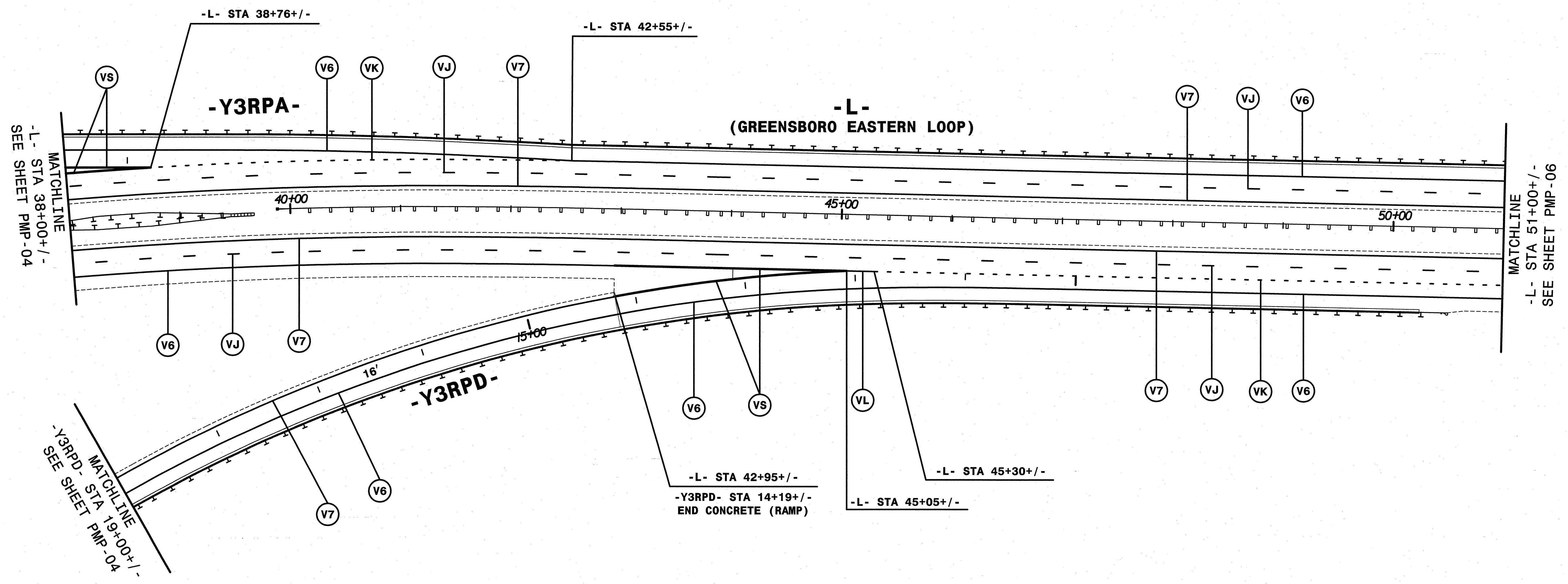
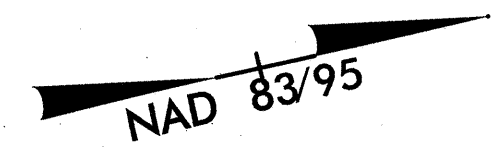
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 SEAL 023521  
 WYONDA B. EARLY



TRANSPORTATION MANAGEMENT PLAN  
 FINAL PAVEMENT MARKING PLANS



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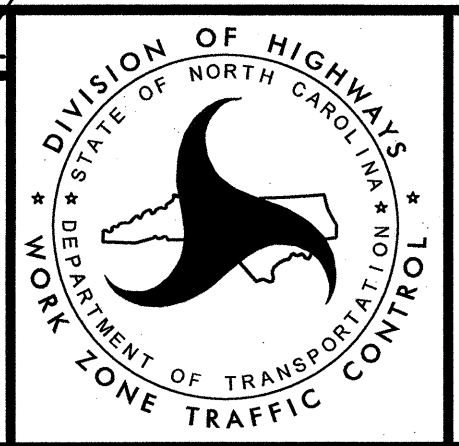
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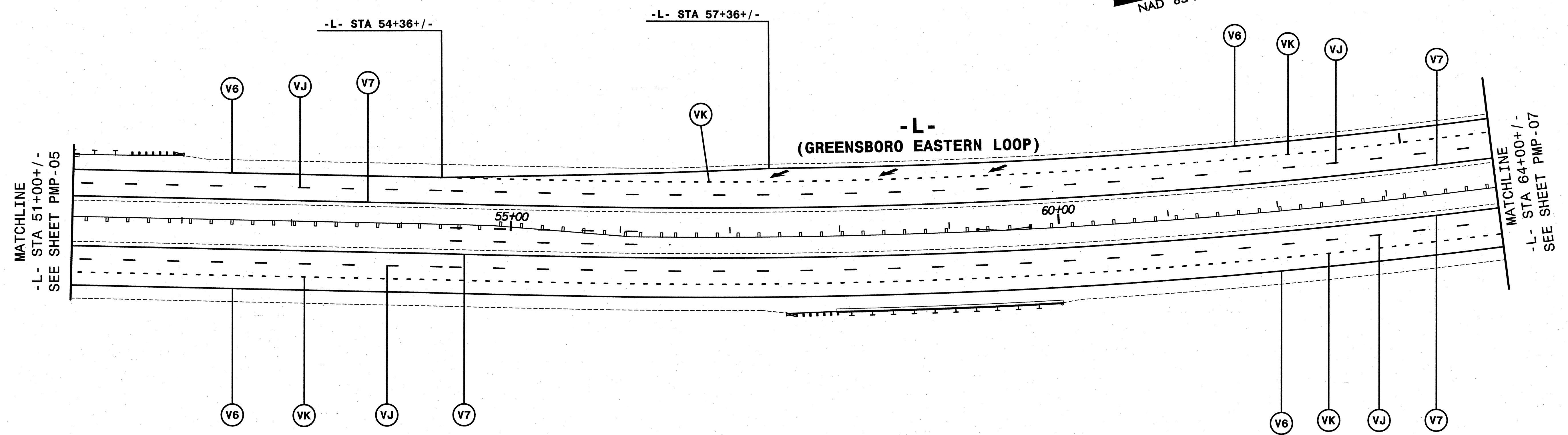
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TRANSPORTATION  
 MANAGEMENT PLAN  
 FINAL PAVEMENT  
 MARKING PLANS

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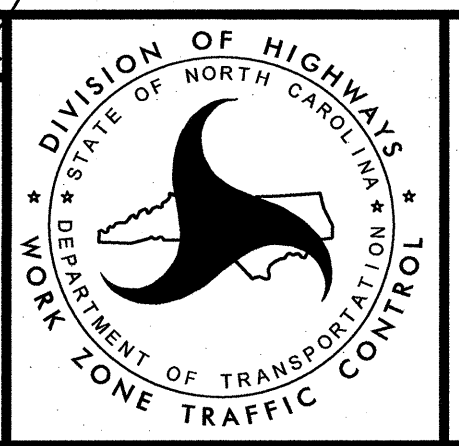
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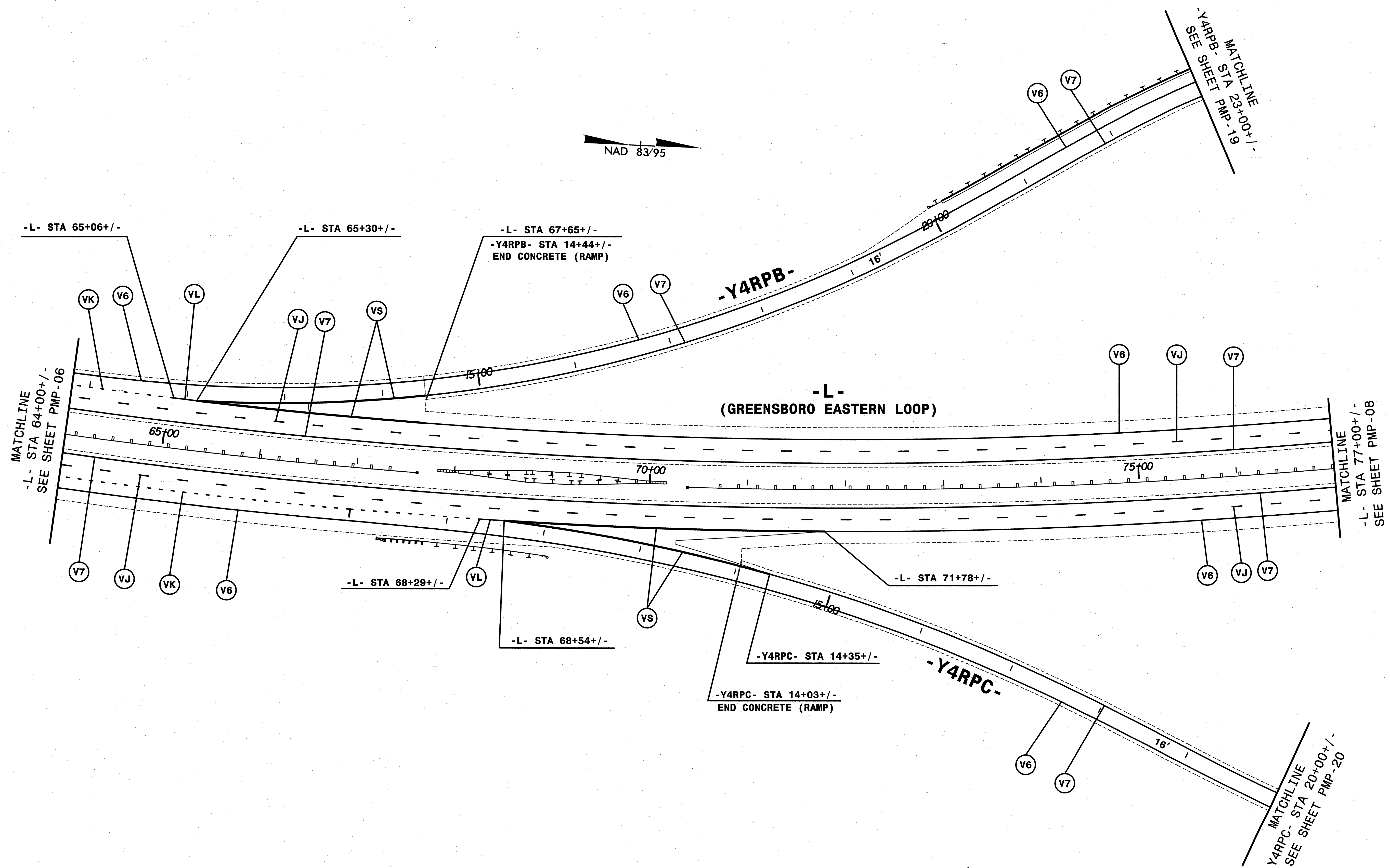
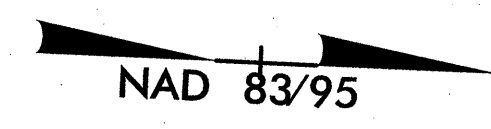
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TRANSPORTATION MANAGEMENT PLAN  
 FINAL PAVEMENT MARKING PLANS



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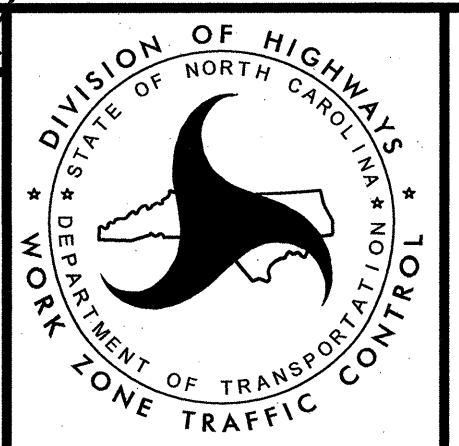
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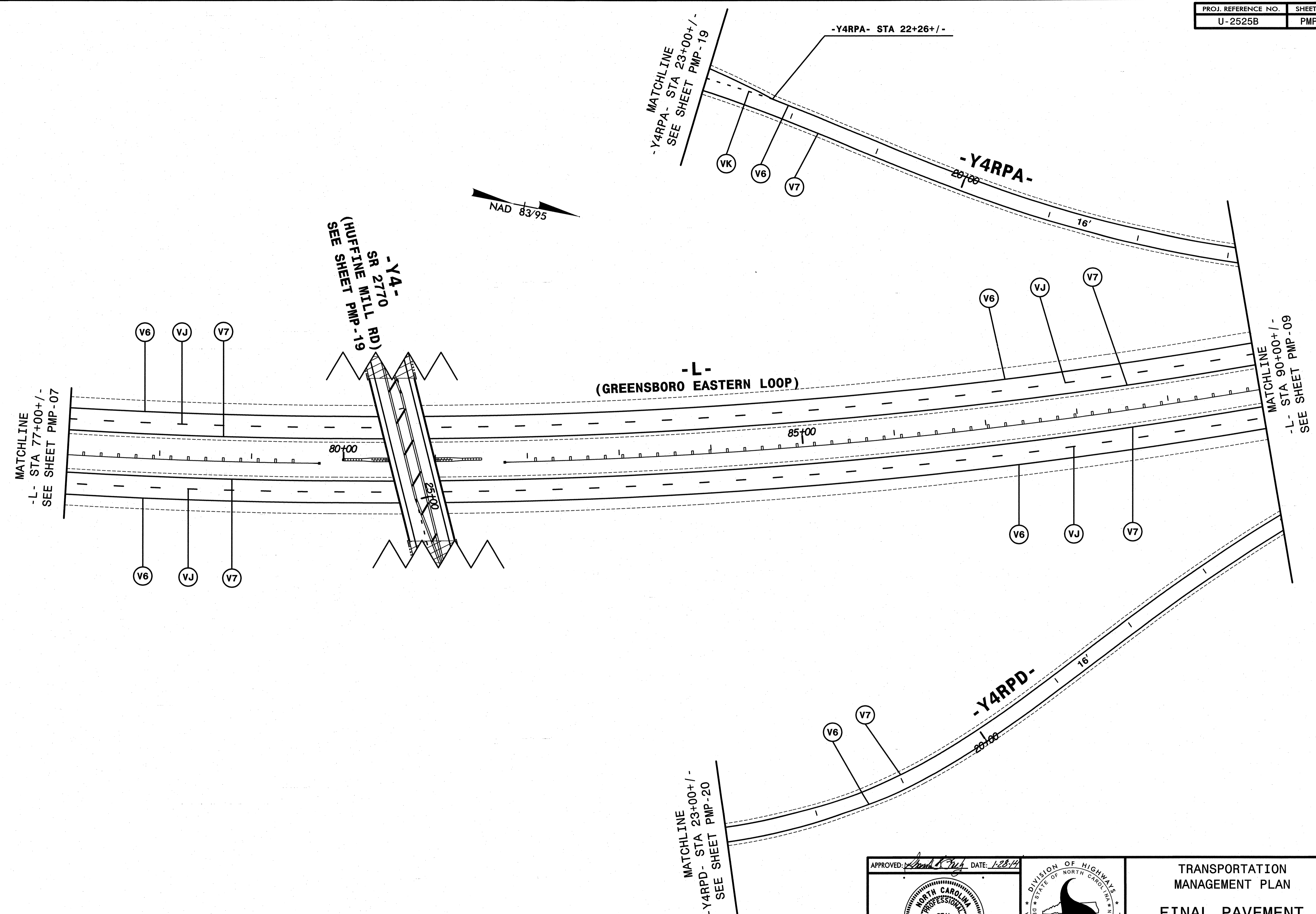
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 FINAL PAVEMENT MARKING PLANS

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MATCHLINE  
-L- STA 77+00+/-  
SEE SHEET PMP-07

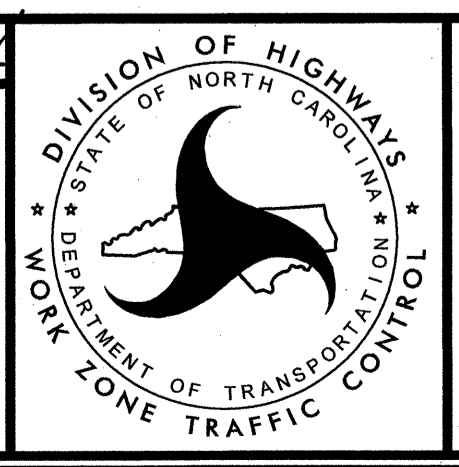
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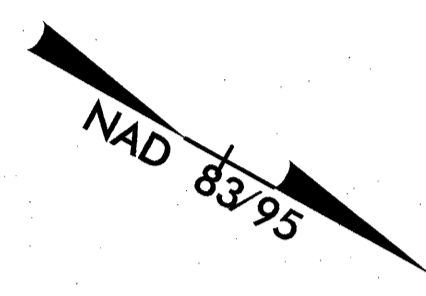
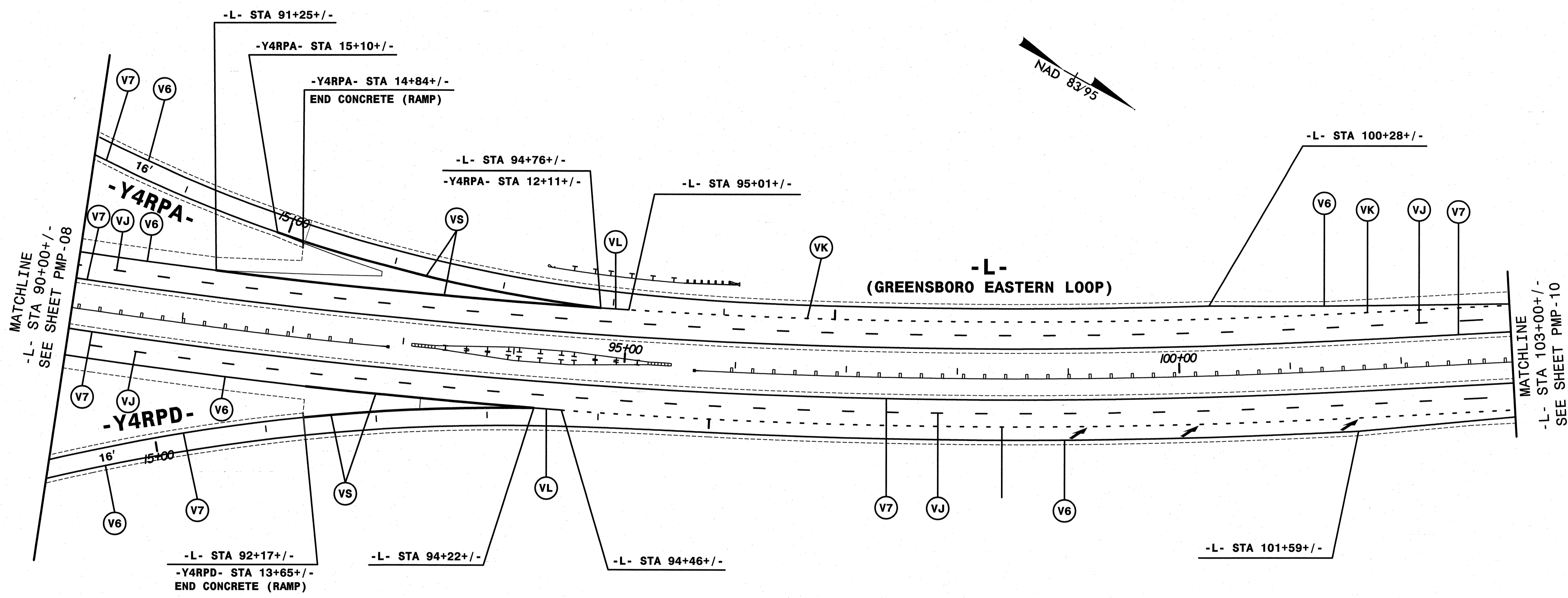
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ENGINEER  
WYONDA B. EARLY  
023521



TRANSPORTATION  
MANAGEMENT PLAN  
**FINAL PAVEMENT  
MARKING PLANS**

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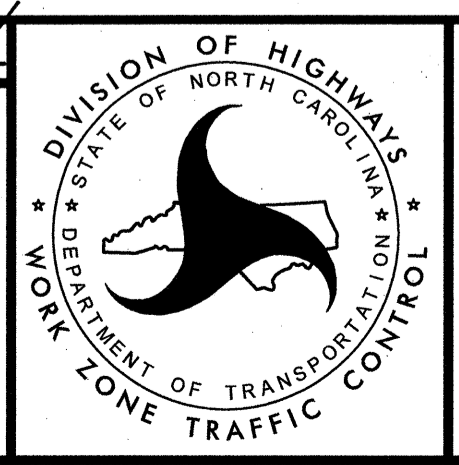
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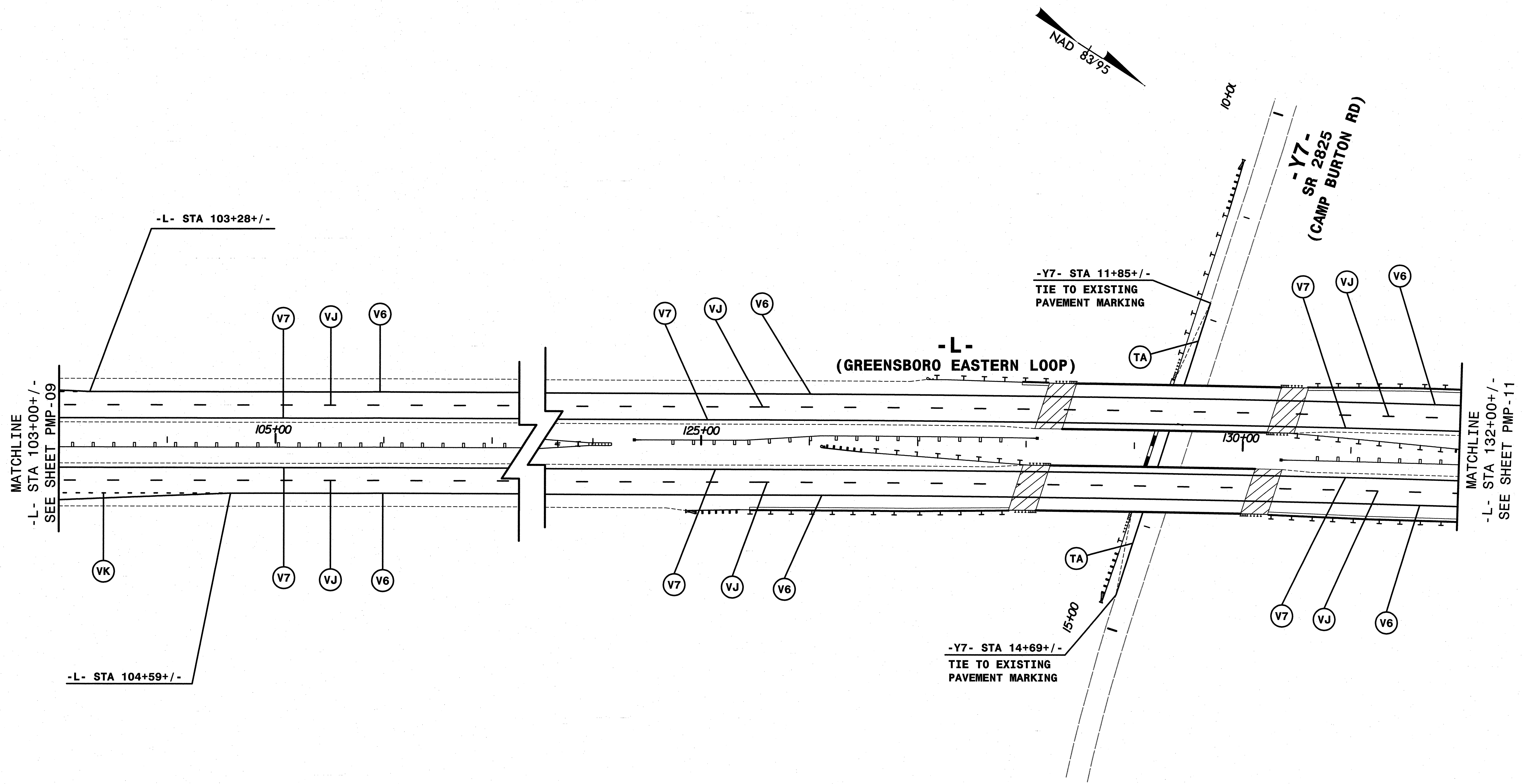
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 SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 ENGINEER  
 WANDA B. EARLY  
 023521



TRANSPORTATION  
 MANAGEMENT PLAN  
**FINAL PAVEMENT  
 MARKING PLANS**

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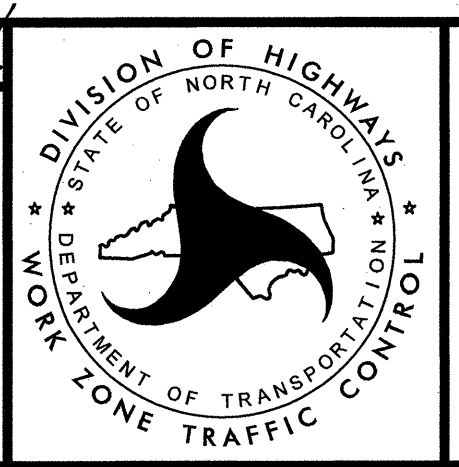


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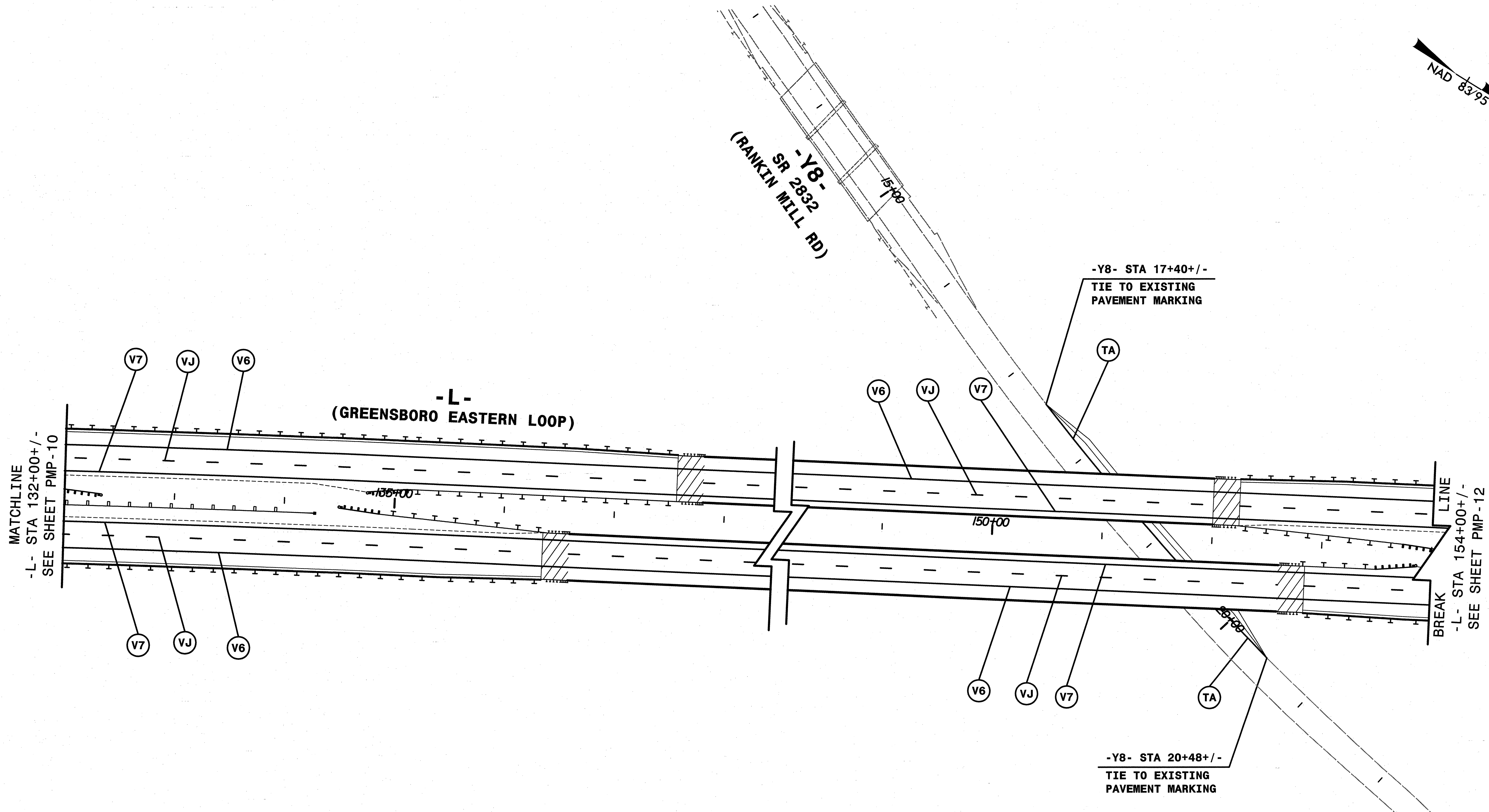
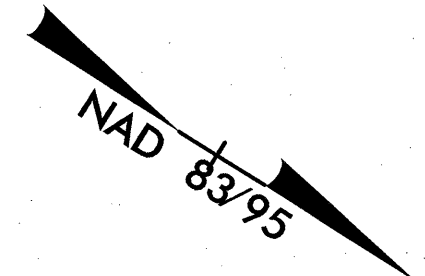
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TRANSPORTATION MANAGEMENT PLAN  
 FINAL PAVEMENT MARKING PLANS

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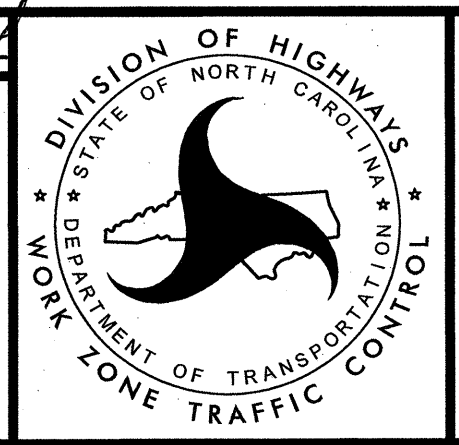
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 RALEIGH, NORTH CAROLINA 27609  
 NC LICENSE NO: C-1654

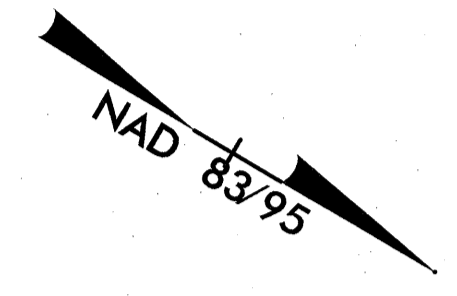
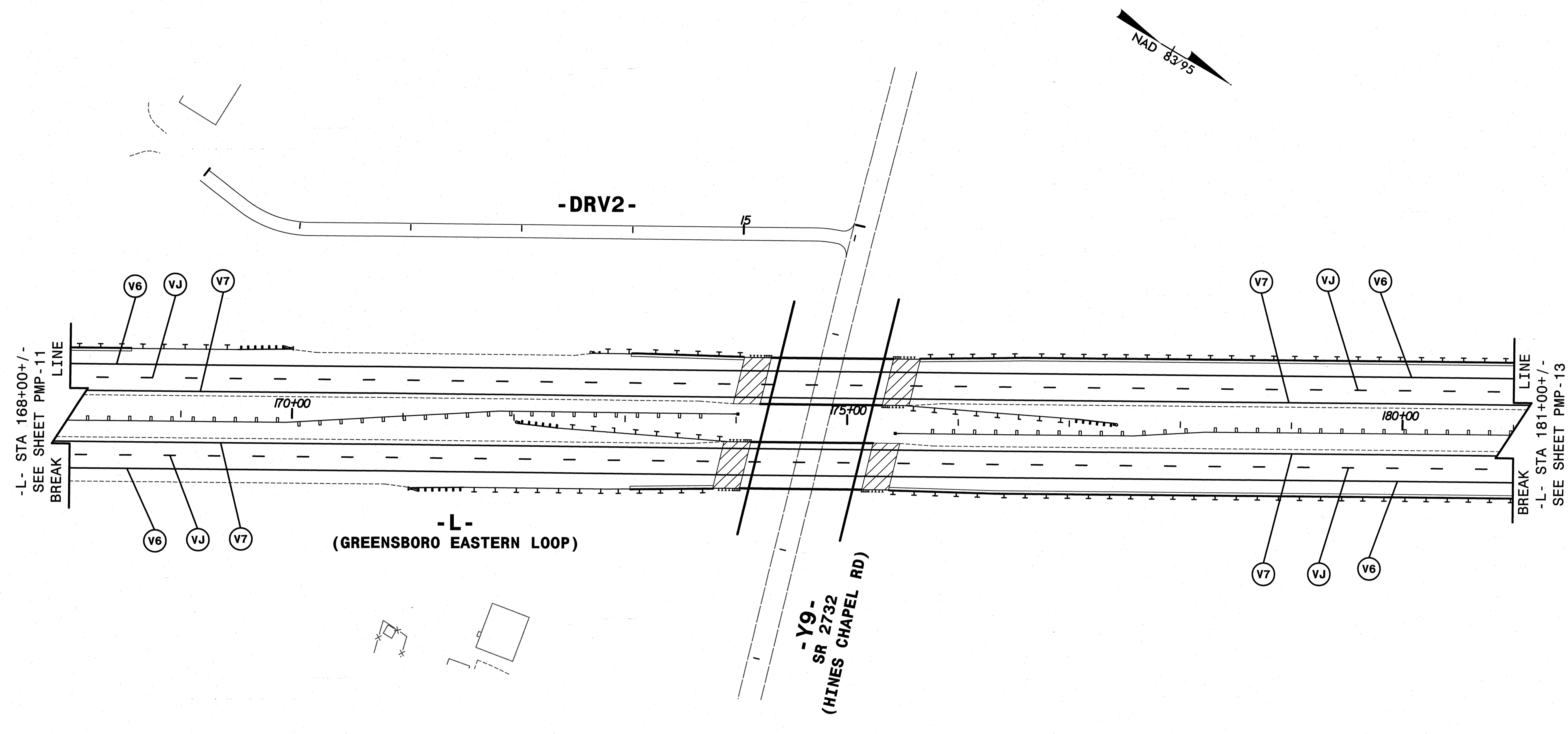
APPROVED: *[Signature]* DATE: 1-28-11  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 WYONDA B. EARLY



TRANSPORTATION  
 MANAGEMENT PLAN  
**FINAL PAVEMENT  
 MARKING PLANS**

8/17/99

REVISIONS



-L- STA 168+00+/-  
SEE SHEET PMP-11  
BREAK

LINE  
-L- STA 181+00+/-  
SEE SHEET PMP-13  
BREAK

-L-  
(GREENSBORO EASTERN LOOP)

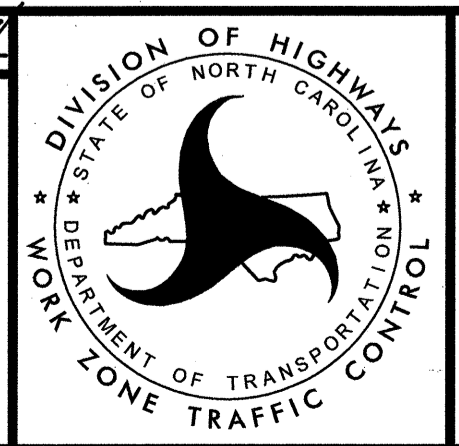
-Y9-  
SR 2732  
(HINES CHAPEL RD)

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

11/2/19/AM 2525B\_pmp-D11.dgn  
QA/QC STAGE:  
REVIEW:  
CONCUR:  
REVISE:  
VERIFY:

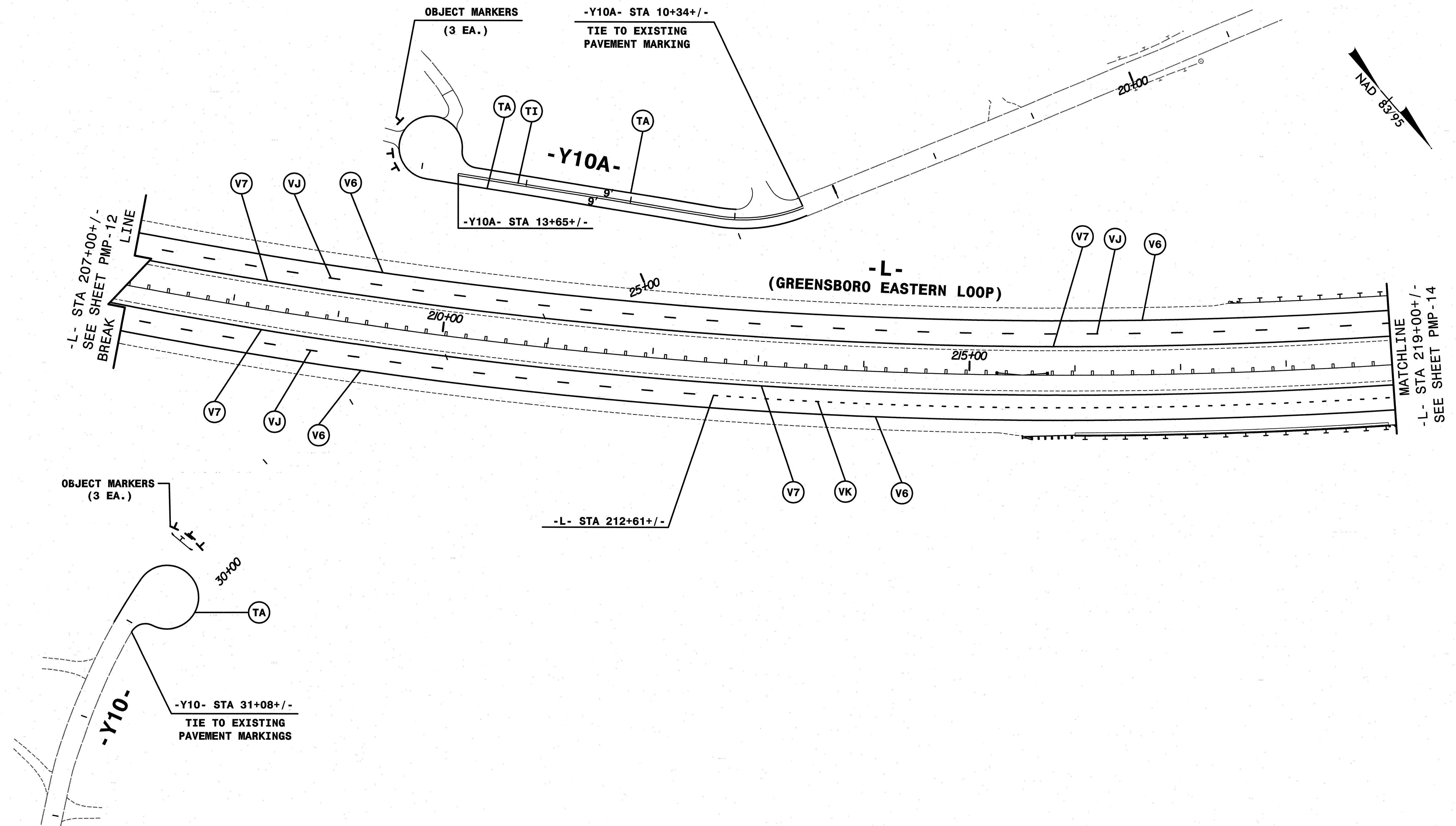
**HNTB**  
HNTB NORTH CAROLINA, P.C.  
343 E. Six Forks Road, Suite 200  
Raleigh, North Carolina 27609  
NC License No: C-1554

APPROVED: *[Signature]* DATE: 1-22-14  
SEAL  
NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
SEAL  
023521  
WANDA B. EARLY



TRANSPORTATION  
MANAGEMENT PLAN  
FINAL PAVEMENT  
MARKING PLANS

8/17/99



REVISIONS

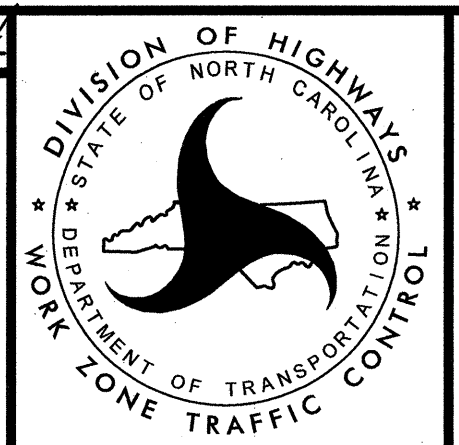
QACQ STAGE:	
REVIEW:	
CONCLUR:	
REVISE:	
VERIFY:	

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

11/27/99 AM 9:50:58 PMP-D12.dgn  
 \$\$\$\$ USER: NAME\$\$\$\$

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 343 E. Six Forks Road, Suite 200  
 Raleigh, North Carolina 27609  
 NC License No: C-1554

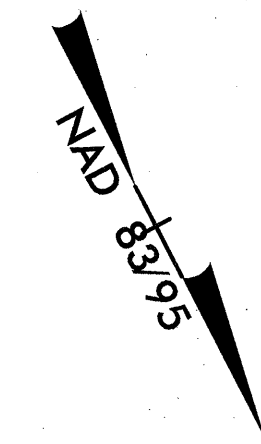
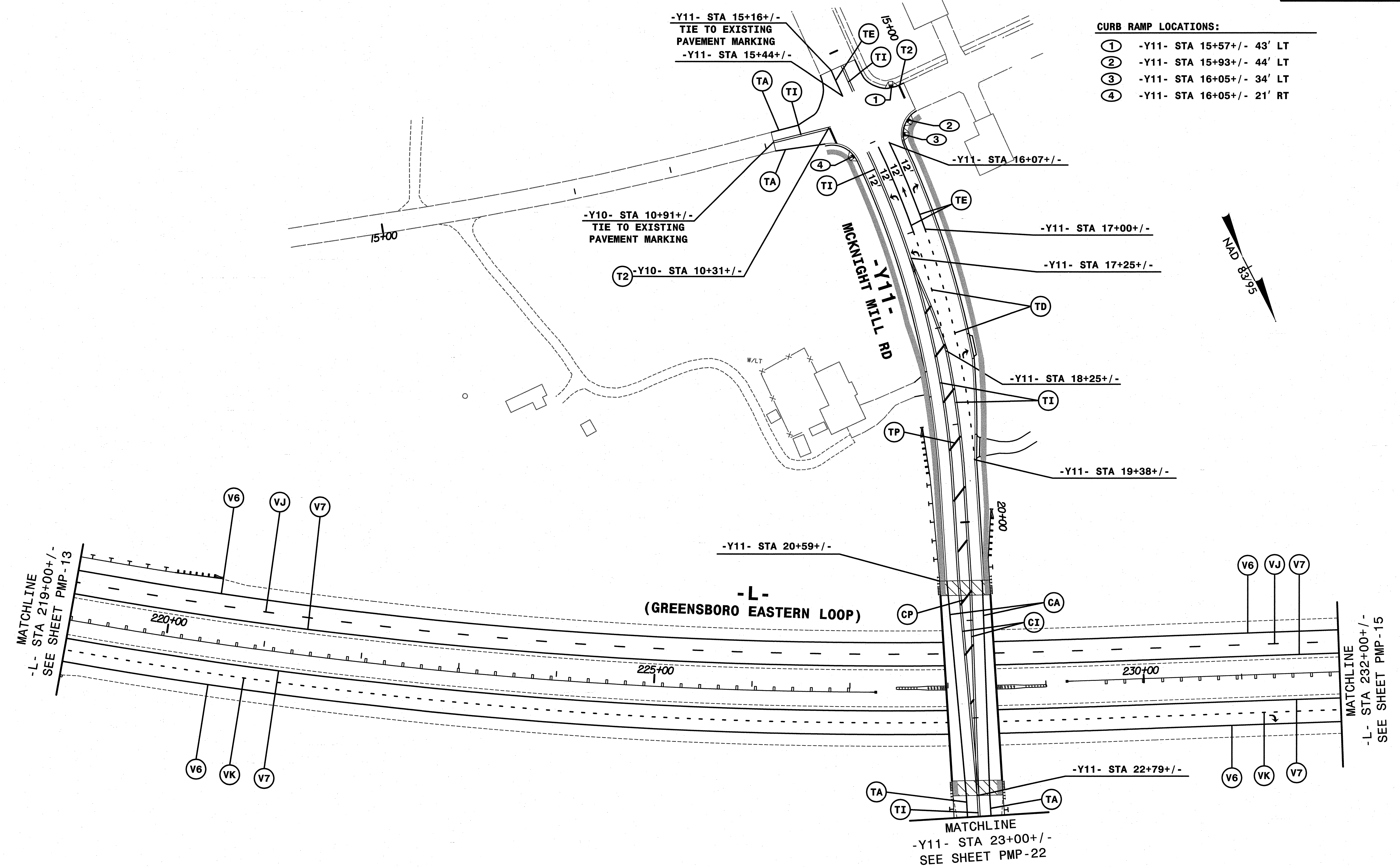
APPROVED: *[Signature]* DATE: 1-28-14  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 WYONDA B. EARLY  
 023521



TRANSPORTATION MANAGEMENT PLAN  
 FINAL PAVEMENT MARKING PLANS

8/17/99

- CURB RAMP LOCATIONS:**
- ① -Y11- STA 15+57+/- 43' LT
  - ② -Y11- STA 15+93+/- 44' LT
  - ③ -Y11- STA 16+05+/- 34' LT
  - ④ -Y11- STA 16+05+/- 21' RT



REVISIONS

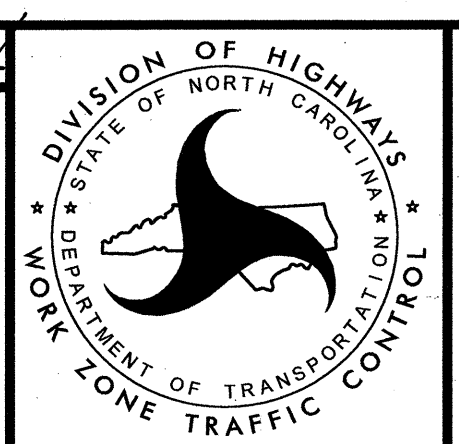
QA/QC STAGE:  
 REVIEW:  
 CONCUR:  
 REVISE:  
 VERIFY:

ENGINEER TO APPROVE LOCATION OF ALL UNSIGNALIZED STOPBARS.

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

**HNTB**  
 HNTB NORTH CAROLINA, P.C.  
 349 E. SIX FORKS ROAD, SUITE 200  
 RALEIGH, NORTH CAROLINA 27609  
 NC LICENSE NO: C-1554

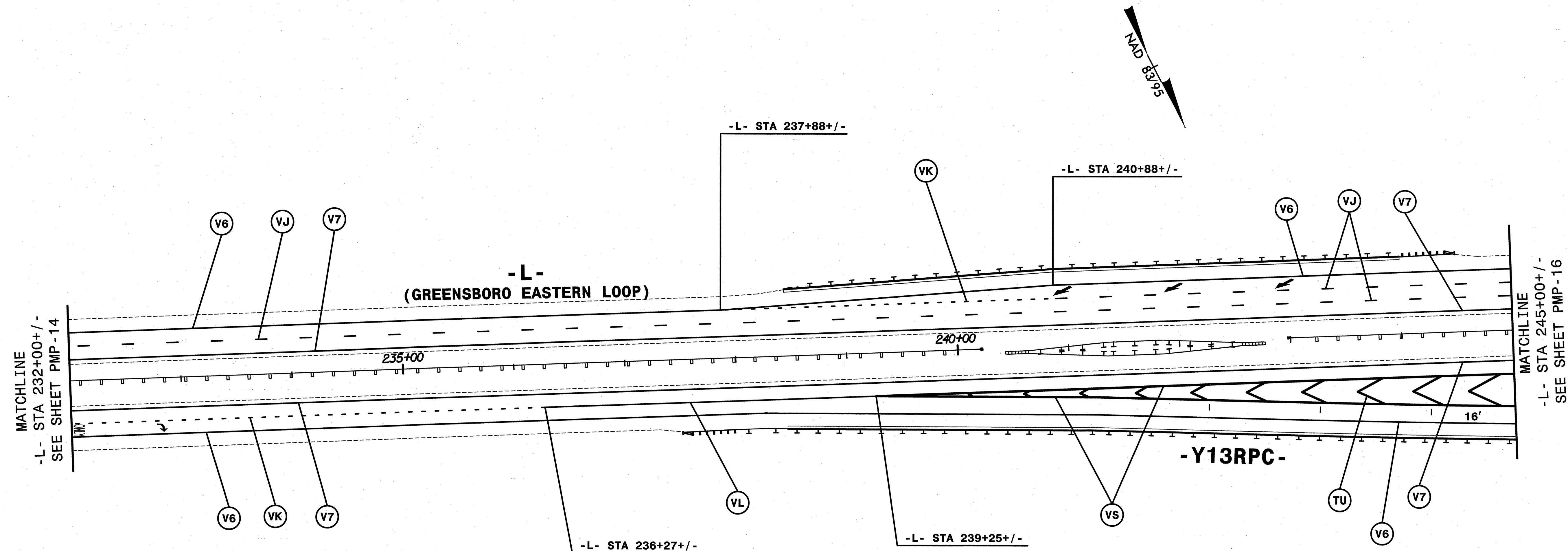
APPROVED: *[Signature]* DATE: 1-28-94  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 PRANDA S. EARLY  
 023521



TRANSPORTATION MANAGEMENT PLAN  
 FINAL PAVEMENT MARKING PLANS



8/17/99



REVISIONS

MATCHLINE  
-L- STA 232+00+/-  
SEE SHEET PMP-14

MATCHLINE  
-L- STA 245+00+/-  
SEE SHEET PMP-16

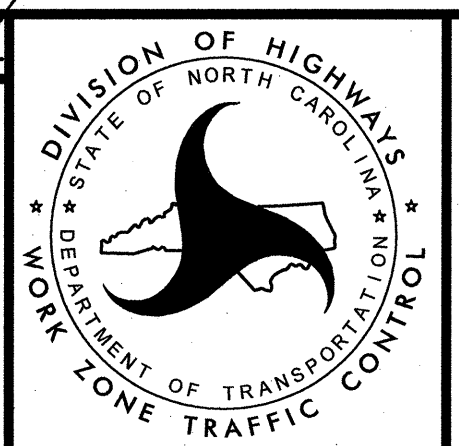
NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

11/2/97 AM 9:25:25 PMP-D14.dgn  
\$\$\$\$\$USERNAME\$\$\$\$\$

Q/A/C STAGE:	
REVIEW:	
CONCUR:	
REVISE:	
VERIFY:	

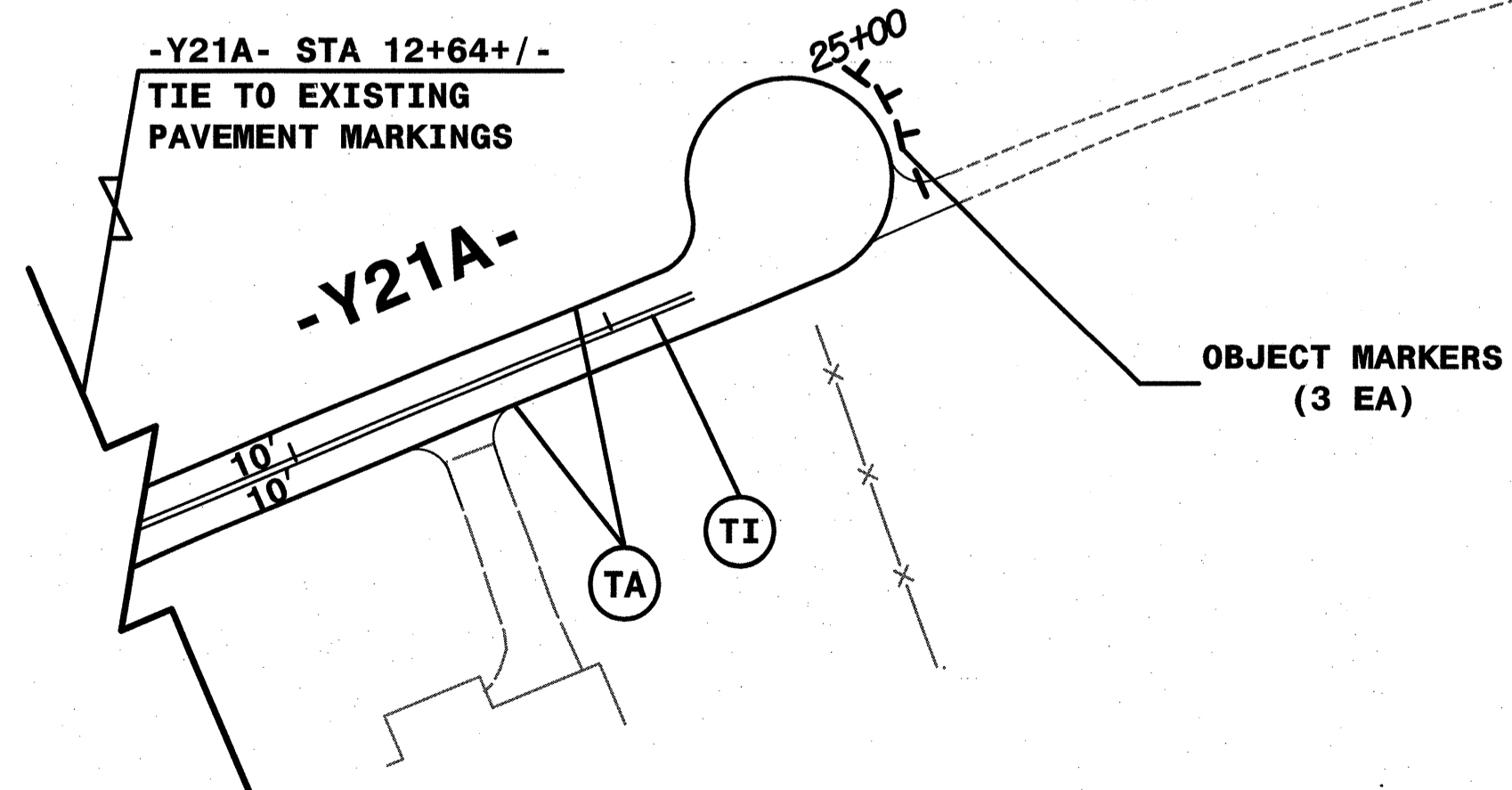
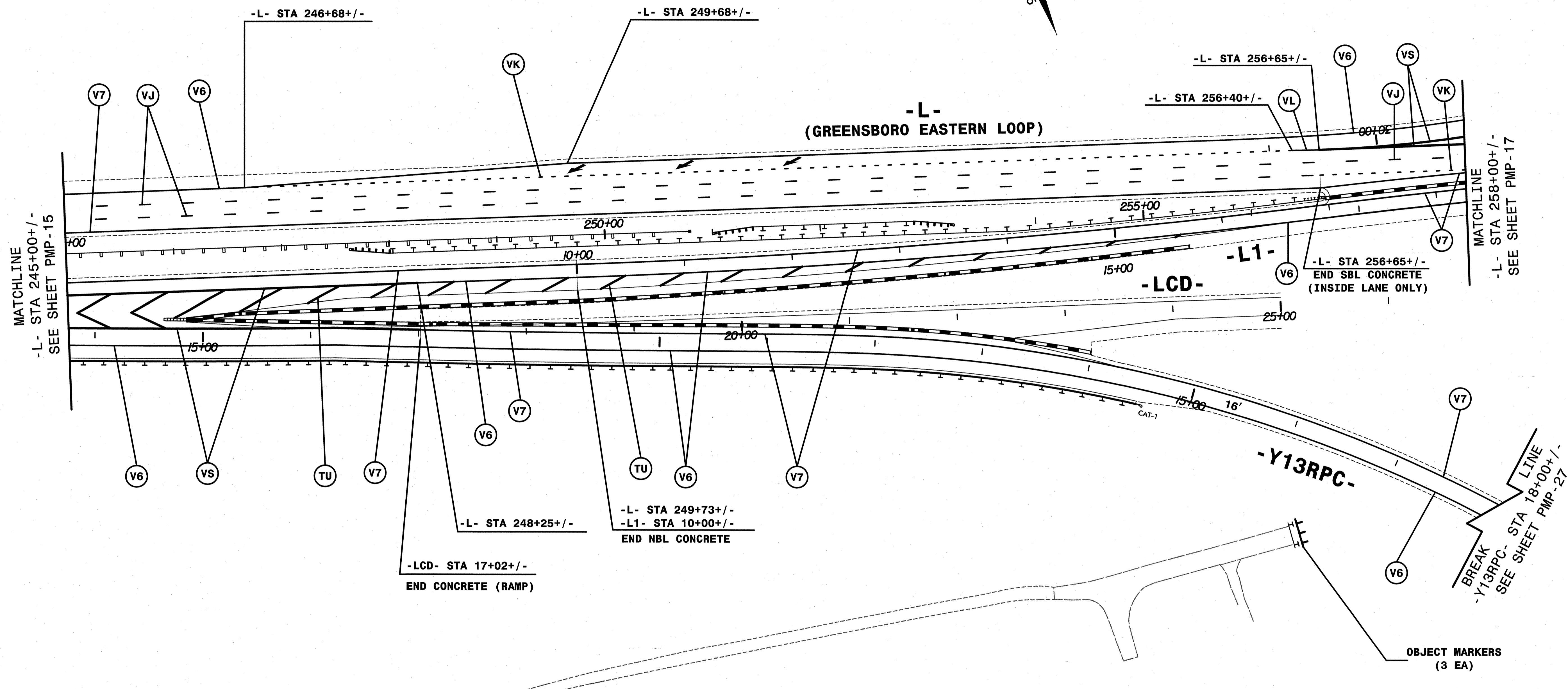
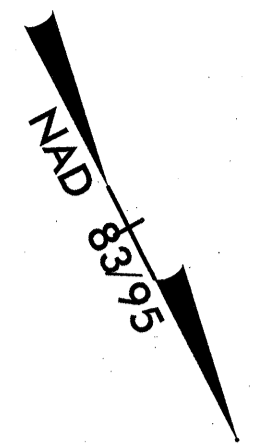
**HNTB** HNTB NORTH CAROLINA, P.C.  
343 E. Six Forks Road, Suite 200  
Raleigh, North Carolina 27609  
NC License No: C-1554

APPROVED: *[Signature]* DATE: 1-28-11  
SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 023521  
RONDA B. EARLY



TRANSPORTATION  
MANAGEMENT PLAN  
FINAL PAVEMENT  
MARKING PLANS

8/17/99

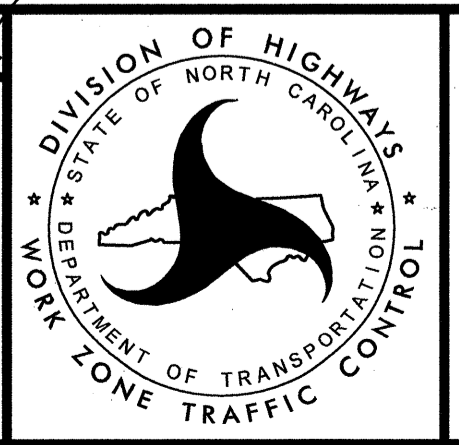
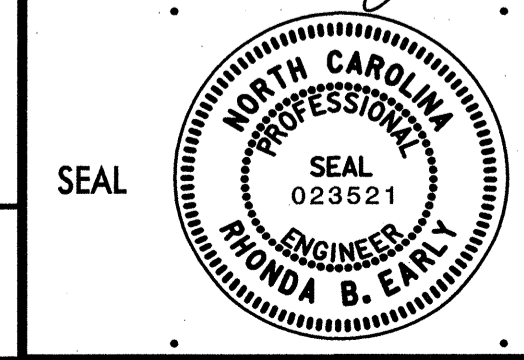


NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

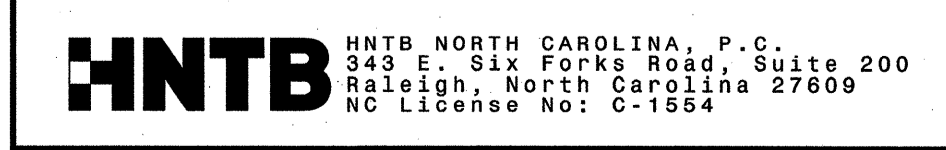
REVISIONS

QA/QC STAGE:  
 REVIEW:  
 CONCUR:  
 REVISE:  
 VERIFY:

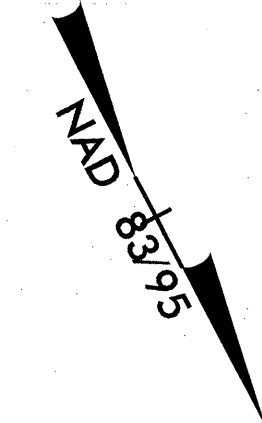
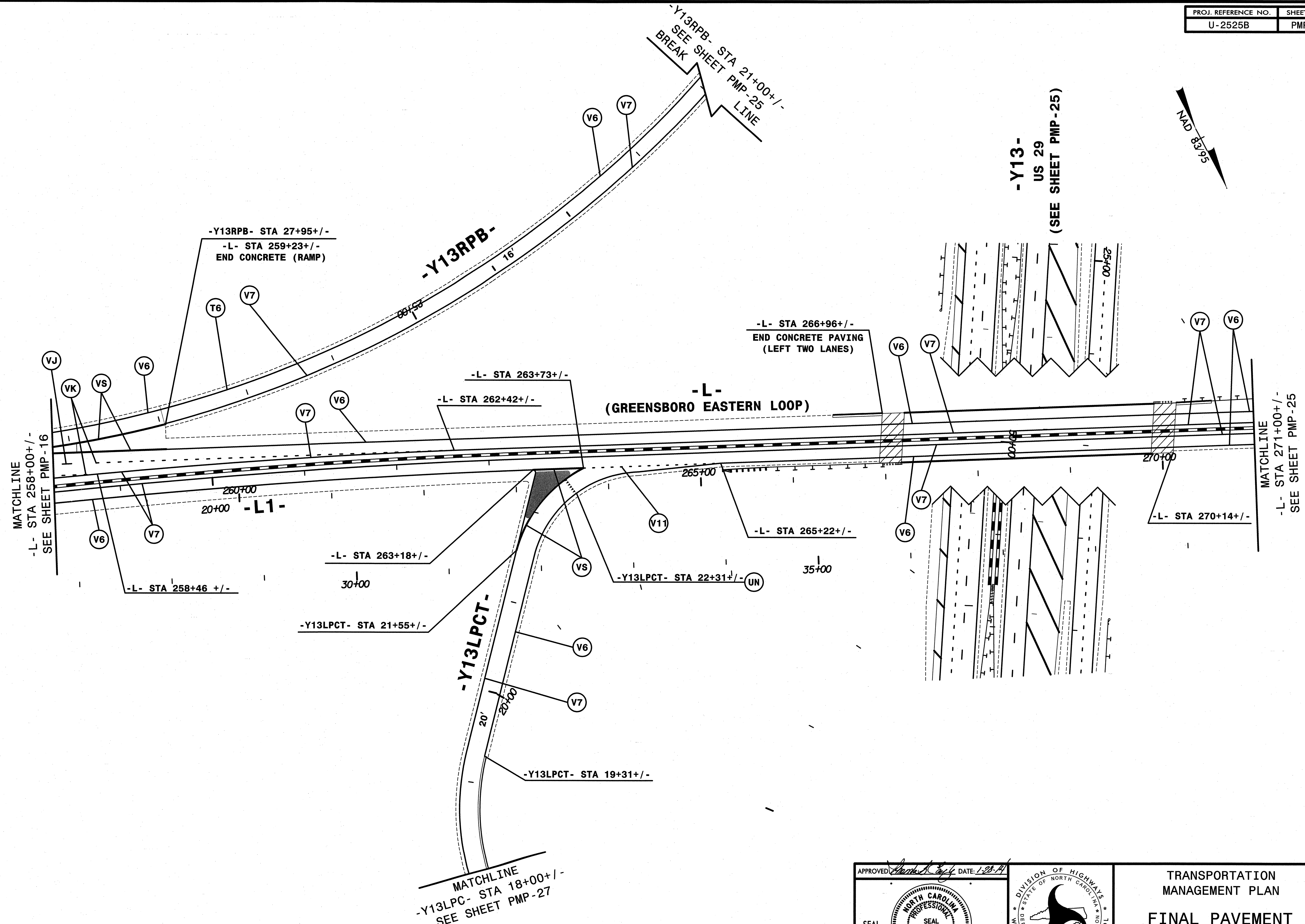
APPROVED: *[Signature]* DATE: 1-22-11



TRANSPORTATION  
 MANAGEMENT PLAN  
 FINAL PAVEMENT  
 MARKING PLANS



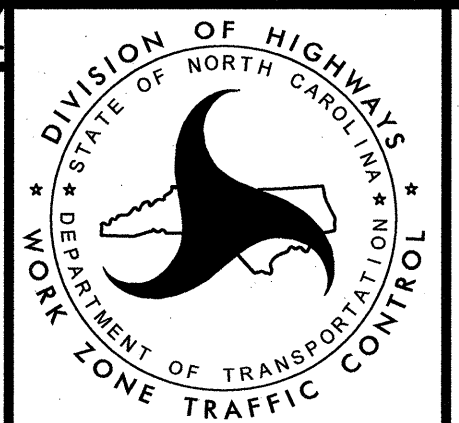
8/17/99



NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

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 343 E. Six Forks Road, Suite 200  
 Raleigh, North Carolina 27609  
 NC License No: C-1554

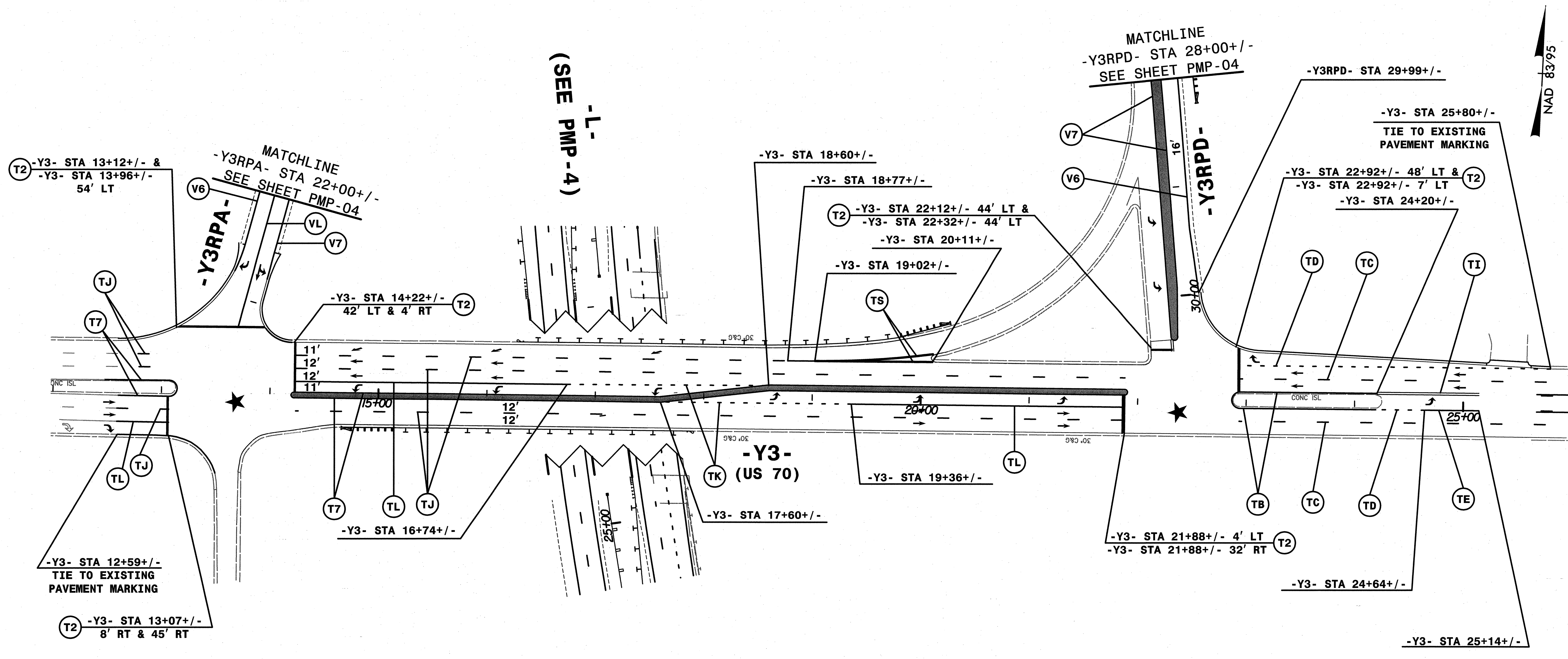
APPROVED: *[Signature]* DATE: 1-28-99  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 WANDA B. EARLY  
 023521



TRANSPORTATION MANAGEMENT PLAN  
 FINAL PAVEMENT MARKING PLANS

11:28 AM 2/29/99 pmp\_17.dwg  
 \$\$\$\$USERNAME\$\$\$\$

8/17/99



(SEE PMP-4)  
-L-

NAD 83/95

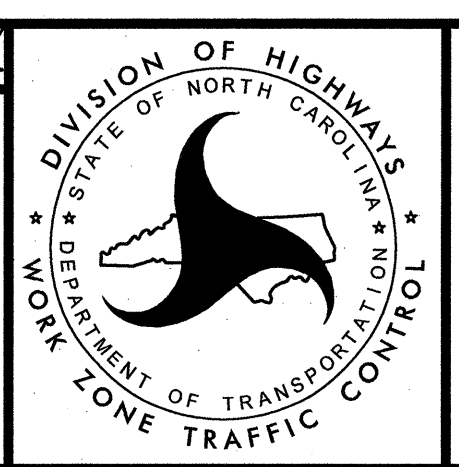
REVISIONS

QA/QC STAGE:	
REVIEW:	
CONCUR:	
REVISE:	
VERIFY:	

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

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 HNTB NORTH CAROLINA, P.C.  
 343 E. Six Forks Road, Suite 200  
 Raleigh, North Carolina 27609  
 NC License No: C-1554

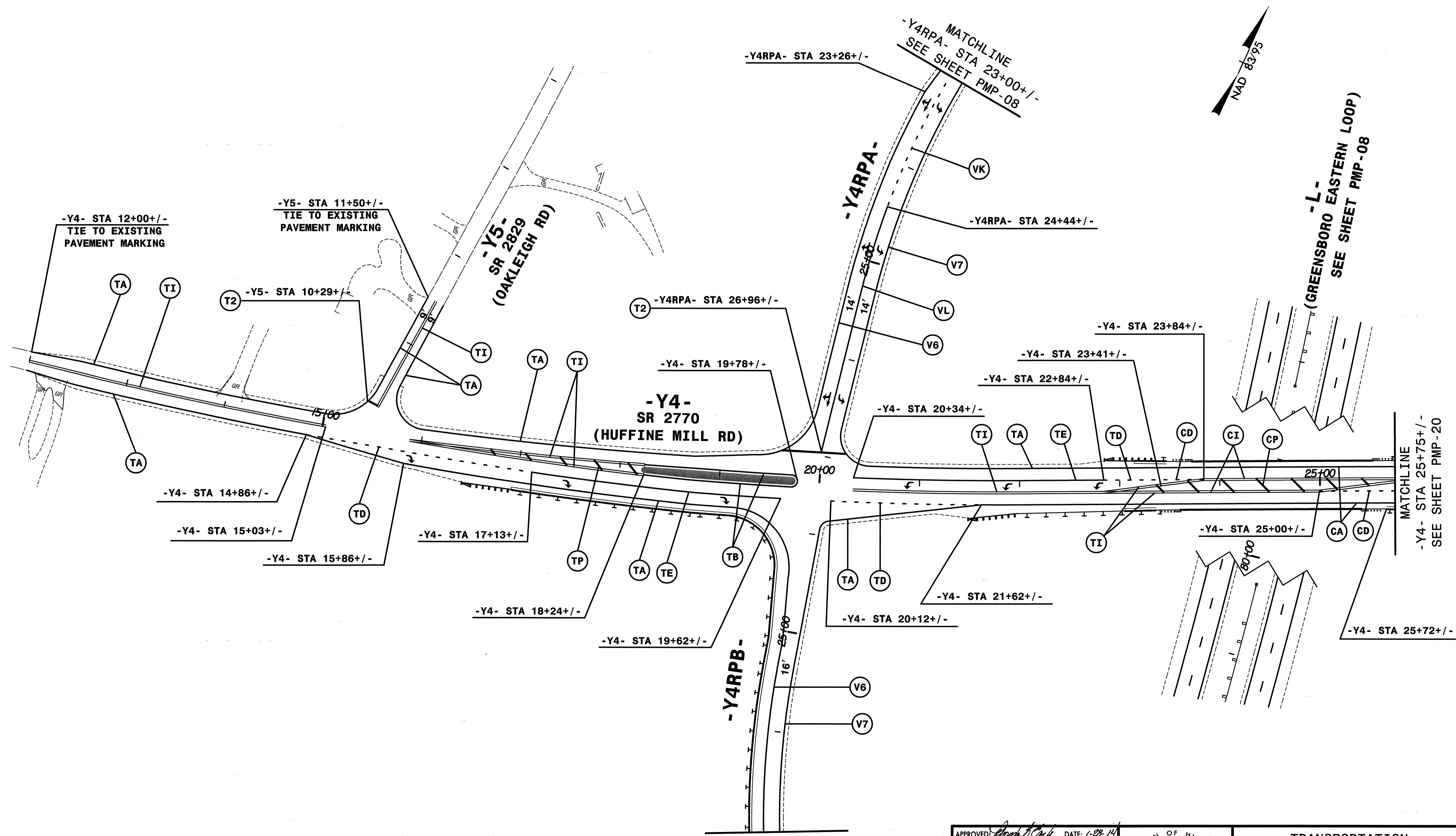
APPROVED: *[Signature]* DATE: 1-28-14  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 023521  
 WYONDA B. EMBRY



TRANSPORTATION MANAGEMENT PLAN  
 FINAL PAVEMENT MARKING PLANS

li:2525B.dwg  
 2525B.dwg  
 2525B.dwg  
 2525B.dwg

B/17/99



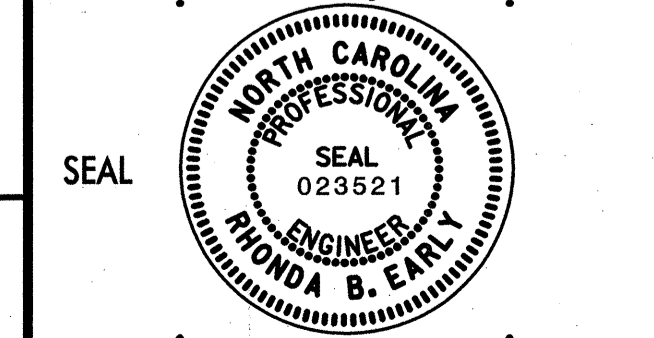
REVISIONS

GAQC STAGE:  
 REVIEW:  
 CONCUR:  
 REVISE:  
 VERIFY:

ENGINEER TO APPROVE LOCATION OF ALL UNSIGNALIZED STOPBARS.  
 NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

MATCHLINE  
 -Y4RPB- STA 23+00+/-  
 SEE SHEET PMP-07

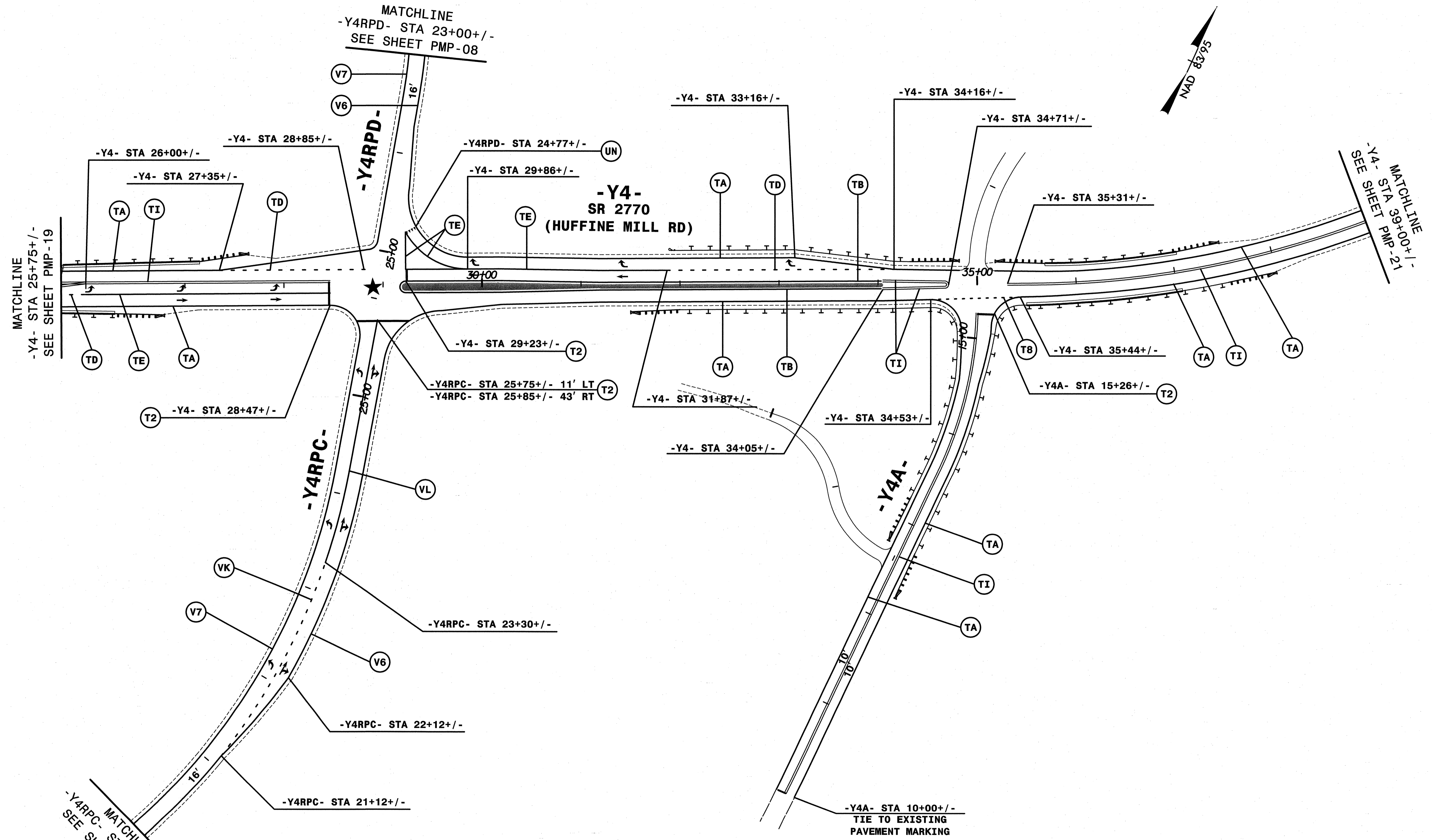
APPROVED: *[Signature]* DATE: 1-28-14



TRANSPORTATION  
 MANAGEMENT PLAN  
 FINAL PAVEMENT  
 MARKING PLANS

**HNTB**  
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 343 E. Six Forks Road, Suite 200  
 Raleigh, North Carolina 27609  
 NC License No: C-1554

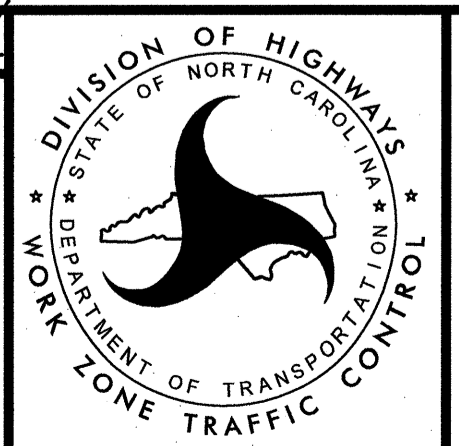
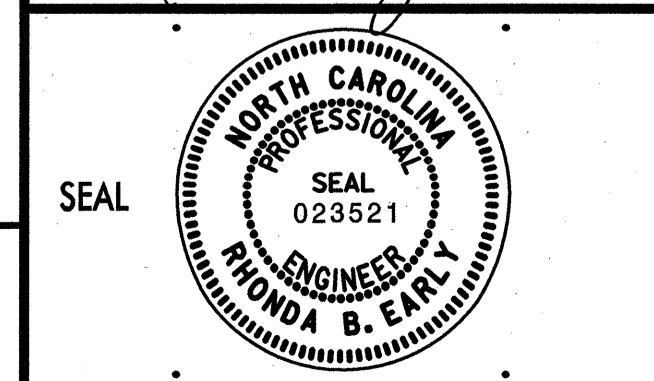
8/17/99



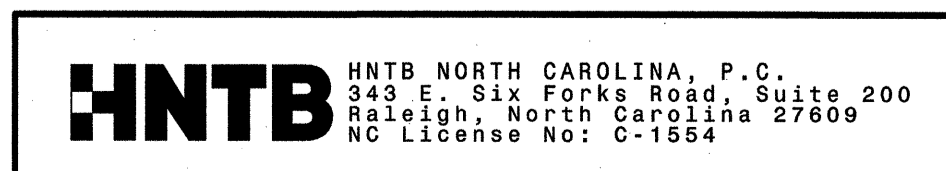
NO.	DATE	BY	REVISIONS

ENGINEER TO APPROVE LOCATION OF ALL UNSIGNALIZED STOPBARS.  
 NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

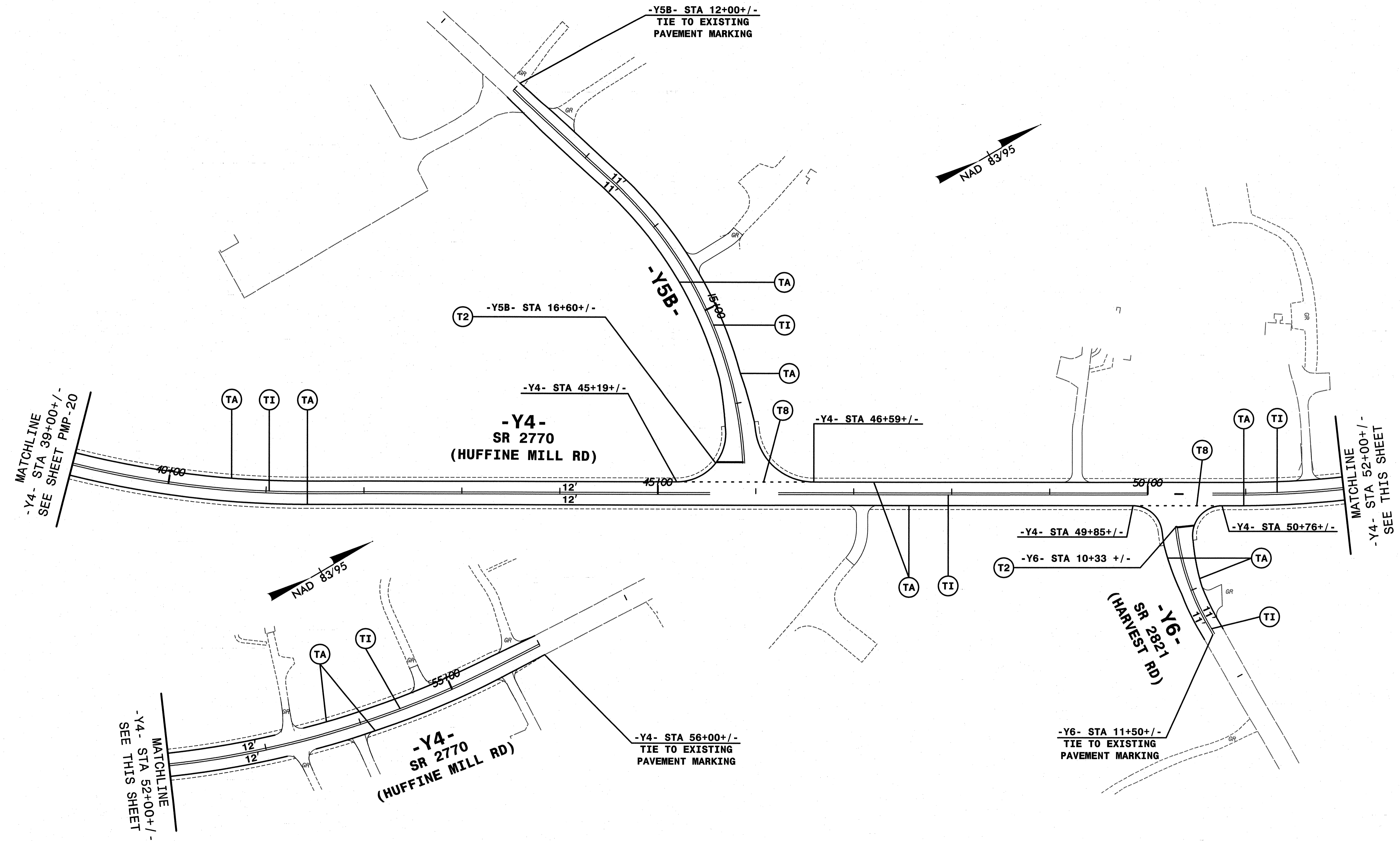
APPROVED: *[Signature]* DATE: 1-28-14



TRANSPORTATION  
 MANAGEMENT PLAN  
**FINAL PAVEMENT  
 MARKING PLANS**



8/17/99



REVISIONS

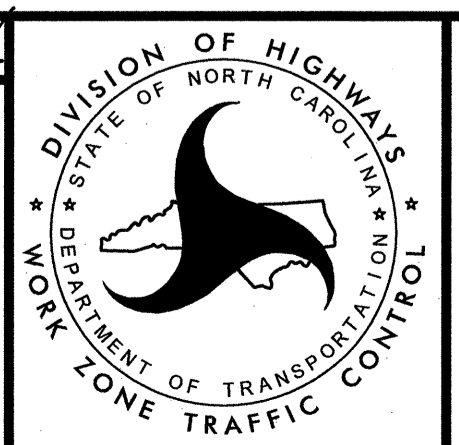
11/23/08 AM 2:25:28 PM pmp-D20.dgn  
 \$\$\$\$ USER:ENGWME \$\$\$

QA/QC STAGE:  
 REVIEW:  
 CONCLUR:  
 REVISE:  
 VERIFY:

ENGINEER TO APPROVE LOCATION OF ALL UNSIGNALIZED STOPBARS.  
 NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

**HNTB**  
 HNTB NORTH CAROLINA, P.C.  
 343 E. Six Forks Road, Suite 200  
 Raleigh, North Carolina 27609  
 NC License No: C-1554

APPROVED: *[Signature]* DATE: 1-28-11  
 SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 ENGINEER  
 RONDA B. EARLY  
 023521

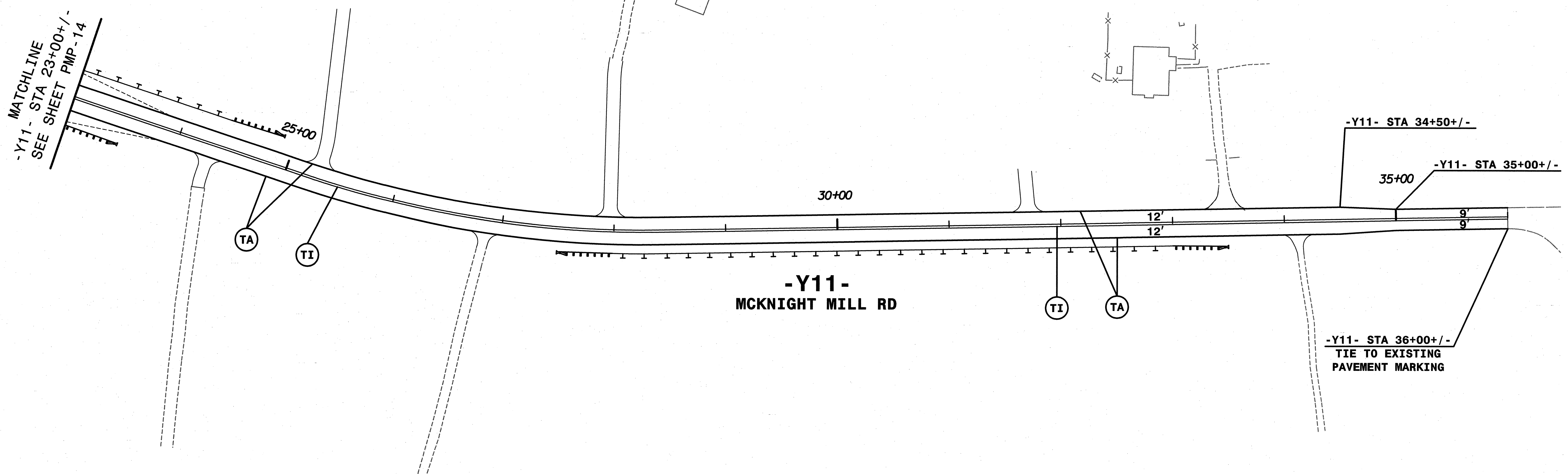
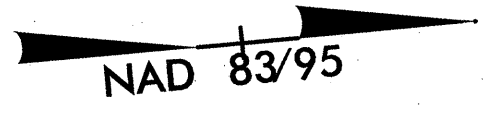


TRANSPORTATION  
 MANAGEMENT PLAN  
 FINAL PAVEMENT  
 MARKING PLANS

8/17/99

REVISIONS

MATCHLINE  
-Y11- STA 23+00+/-  
SEE SHEET PMP-14



**-Y11-  
MCKNIGHT MILL RD**

-Y11- STA 36+00+/-  
TIE TO EXISTING  
PAVEMENT MARKING

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

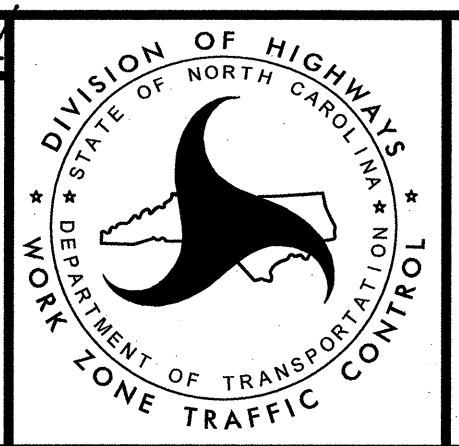
lit: 2/20 AM 2525B\_pmp\_d21.dgn  
\$\$\$\$\$USERNAME\$\$\$\$\$

QA/QC STAGE:	
REVIEW:	
CONCUR:	
REVISE:	
VERIFY:	

**HNTB** HNTB NORTH CAROLINA, P.C.  
343 E. Six Forks Road, Suite 200  
Raleigh, North Carolina 27609  
NC License No: C-1554

APPROVED: *Chanda S. Coff* DATE: 1-28-14

SEAL

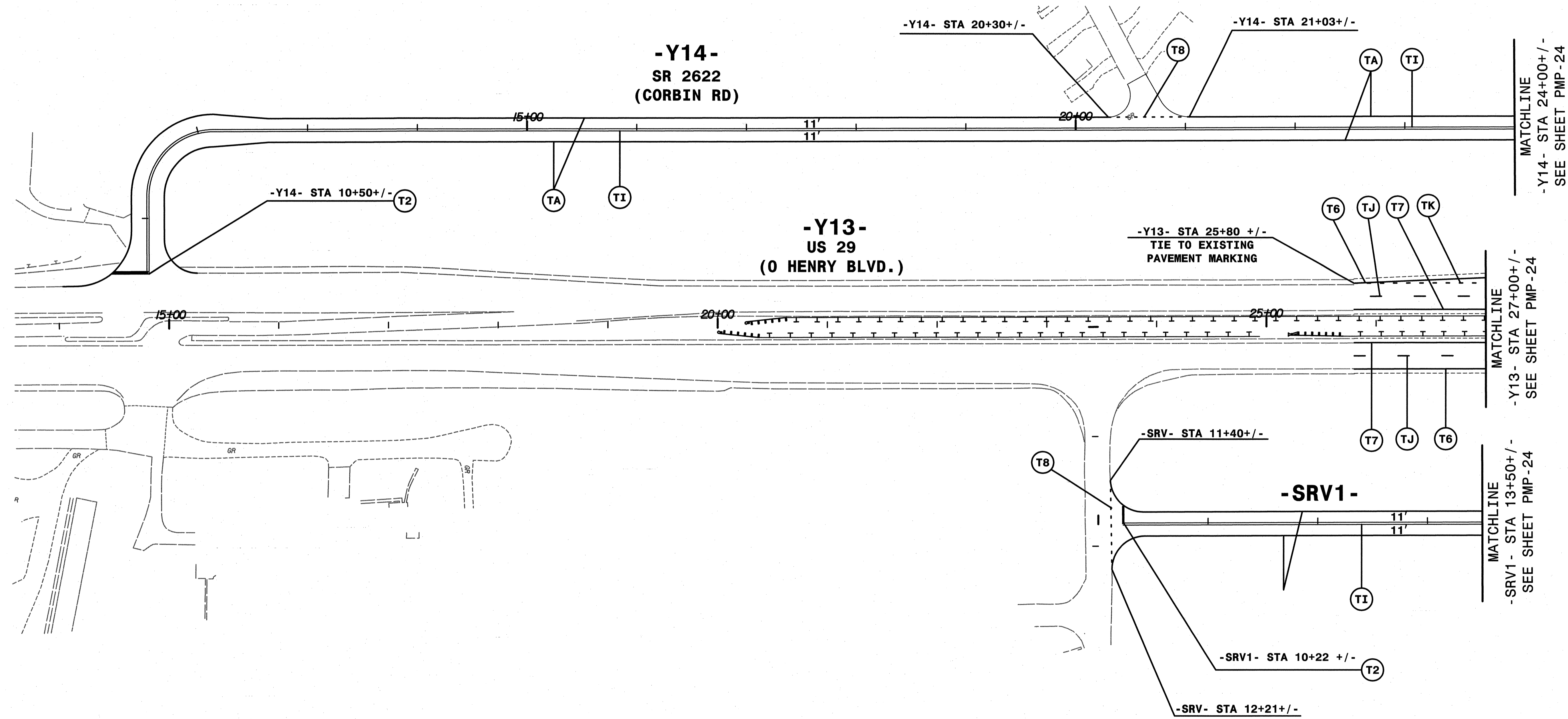
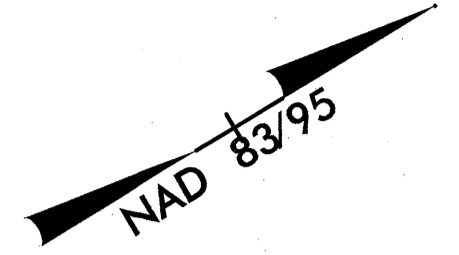


TRANSPORTATION  
MANAGEMENT PLAN

**FINAL PAVEMENT  
MARKING PLANS**



8/17/99



REVISIONS

11/23/01 AM 9:52 PM  
 3383 USER: JENNY (A) PMP-23.dgn

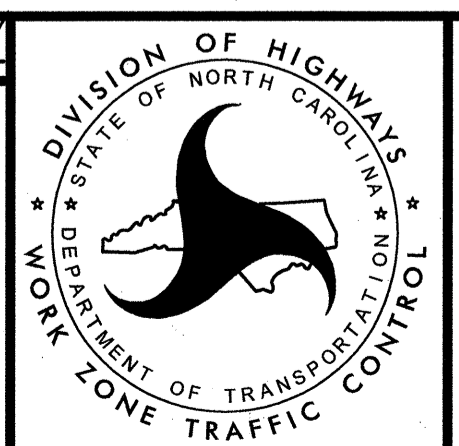
QA/QC STAGE:  
 REVIEW:  
 CONCUR:  
 REVISE:  
 VERIFY:

ENGINEER TO APPROVE LOCATION OF ALL UNSIGNALIZED STOPBARS.

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

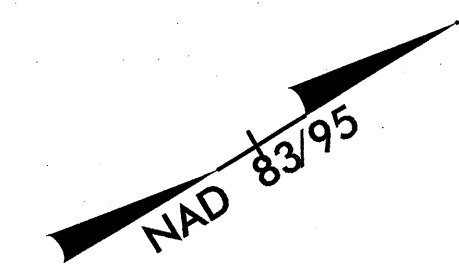
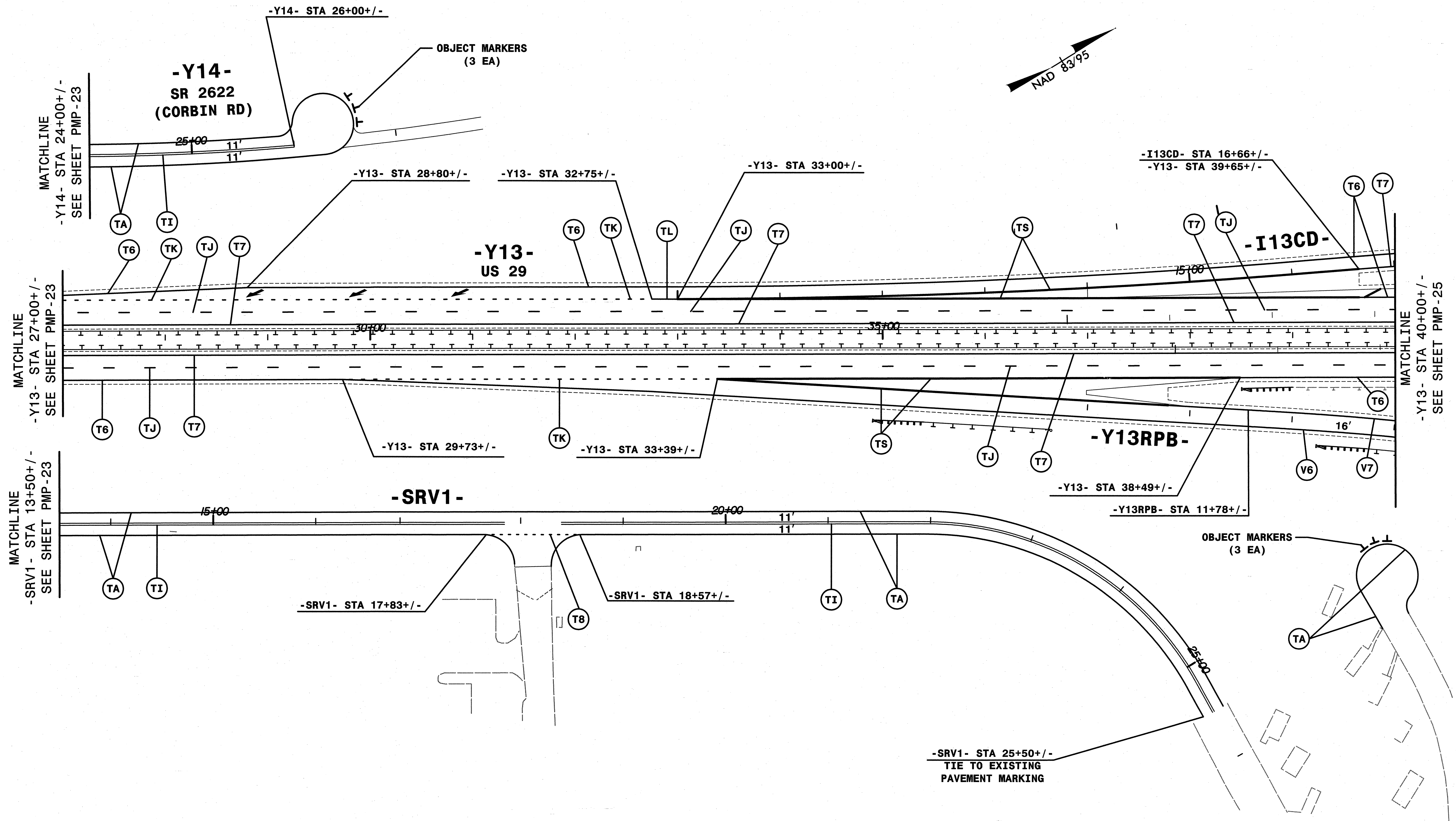
**HNTB**  
 HNTB NORTH CAROLINA, P.C.  
 349 E. Six Forks Road, Suite 200  
 Raleigh, North Carolina 27609  
 NC License No: C-1554

APPROVED: *[Signature]* DATE: 1-28-14  
 SEAL  
 NORTH CAROLINA  
 PROFESSIONAL ENGINEER  
 SEAL 023521  
 RONDA B. EARLY



TRANSPORTATION  
 MANAGEMENT PLAN  
 FINAL PAVEMENT  
 MARKING PLANS

8/17/99



REVISIONS

MATCHLINE  
-Y14- STA 24+00+/-  
SEE SHEET PMP-23

MATCHLINE  
-Y13- STA 27+00+/-  
SEE SHEET PMP-23

MATCHLINE  
-SRV1- STA 13+50+/-  
SEE SHEET PMP-23

MATCHLINE  
-Y13- STA 40+00+/-  
SEE SHEET PMP-25

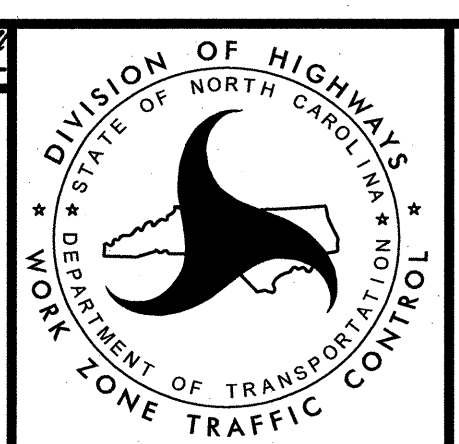
NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

11/23/02 AM 09:59 ER...  
QA/QC STAGE:  
REVIEW:  
CONCLUR:  
REVISE:  
VERIFY:

**HNTB**  
HNTB NORTH CAROLINA, P.C.  
349 E. Six Forks Road, Suite 200  
Raleigh, North Carolina 27609  
NC License No: C-1554

APPROVED: *[Signature]* DATE: 1-28-14

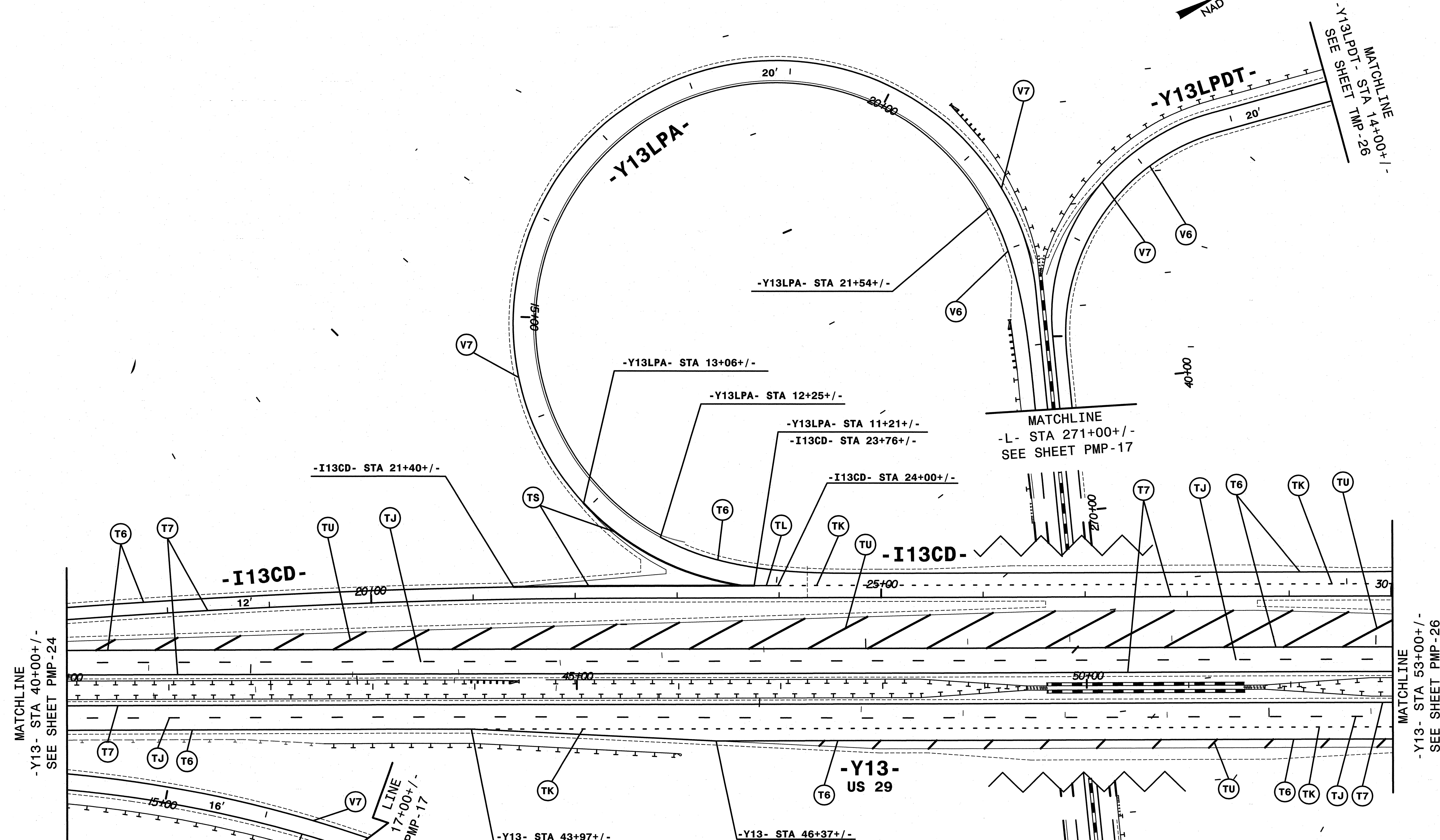
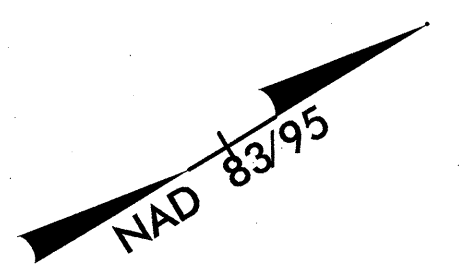
SEAL  
NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
WANDA B. EARLY  
023521



TRANSPORTATION  
MANAGEMENT PLAN

**FINAL PAVEMENT  
MARKING PLANS**

8/17/99



REVISIONS

Q/A/C STAGE:  
 REVIEW:  
 CONCLUR:  
 REVISE:  
 VERIFY:

1:25000 AM 09/29/99 PMP-D24.dgn  
 3:38:58 PM 09/29/99 PMP-D24.dgn

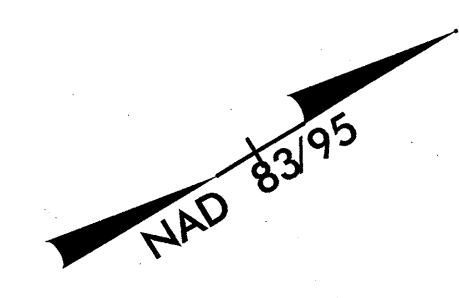
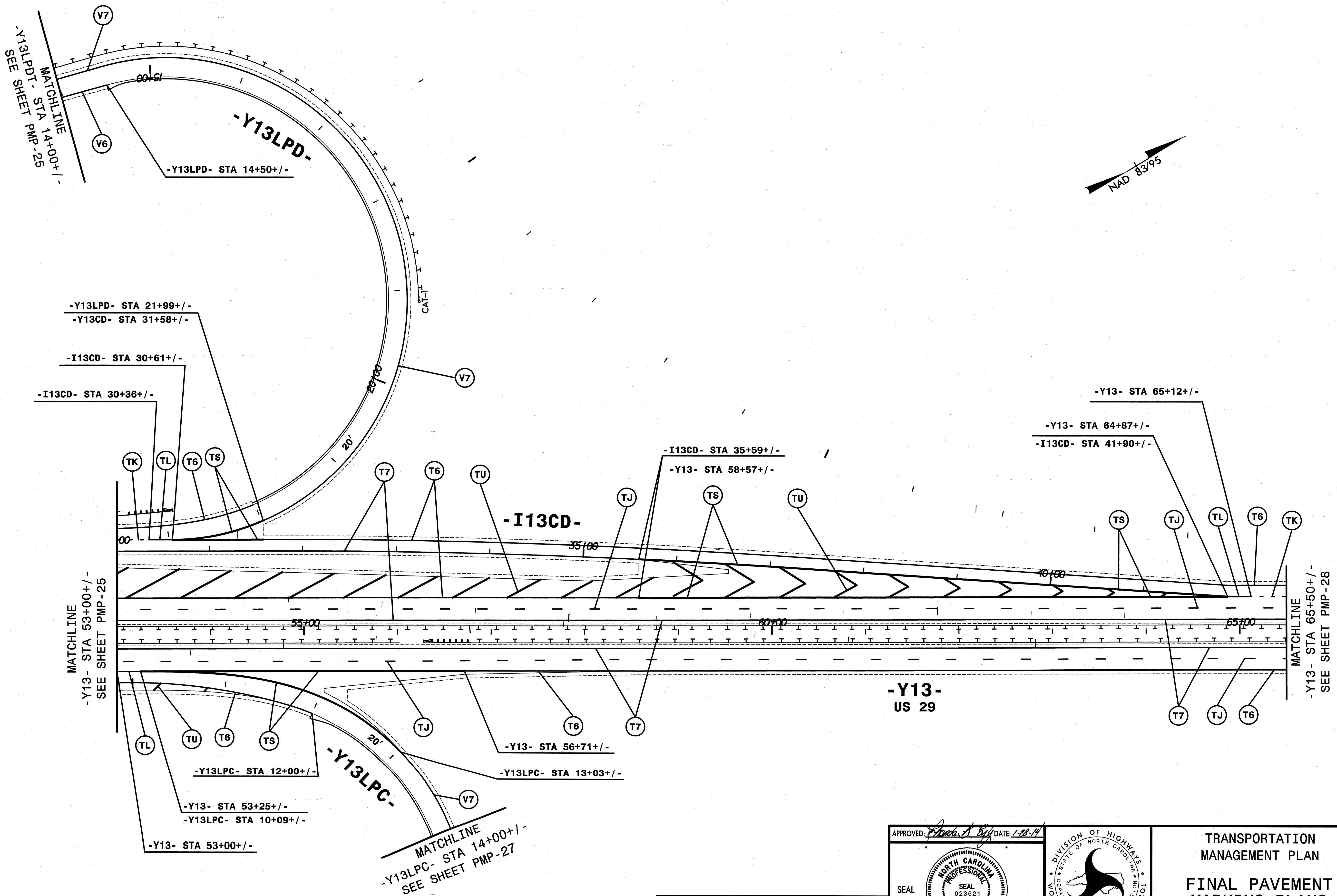
**HNTB**  
 HNTB NORTH CAROLINA, P.C.  
 343 E. SIX FORKS ROAD, SUITE 200  
 RALEIGH, NORTH CAROLINA 27609  
 NC LICENSE NO: C-1554

APPROVED: *[Signature]* DATE: 1-28-12  
 SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 ENGINEER  
 FIONDA B. EARLY

DIVISION OF HIGHWAYS  
 STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 WORK ZONE TRAFFIC CONTROL

TRANSPORTATION  
 MANAGEMENT PLAN  
 FINAL PAVEMENT  
 MARKING PLANS

8/17/99



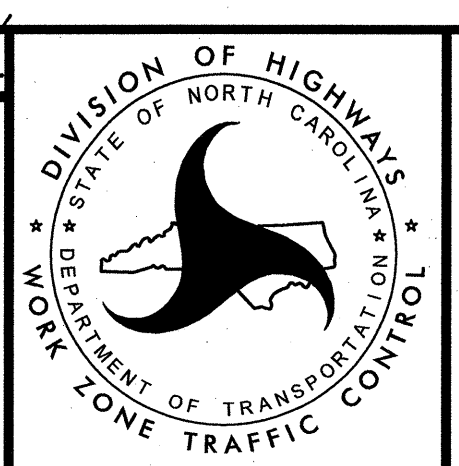
REVISIONS

LINE  
+00+/-  
TMP-XX

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

**HNTB**  
 HNTB NORTH CAROLINA, P.C.  
 343 E. Six Forks Road, Suite 200  
 Raleigh, North Carolina 27609  
 NC License No: C-1554

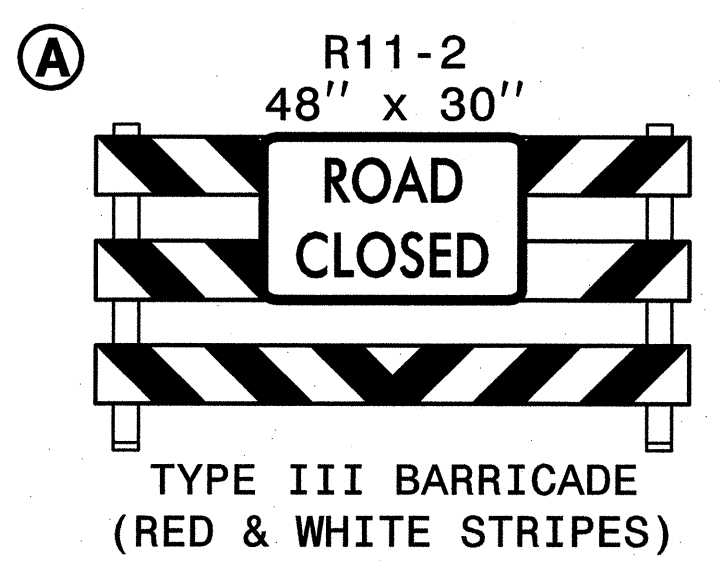
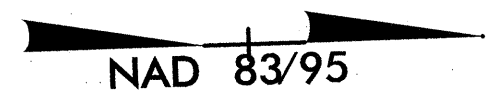
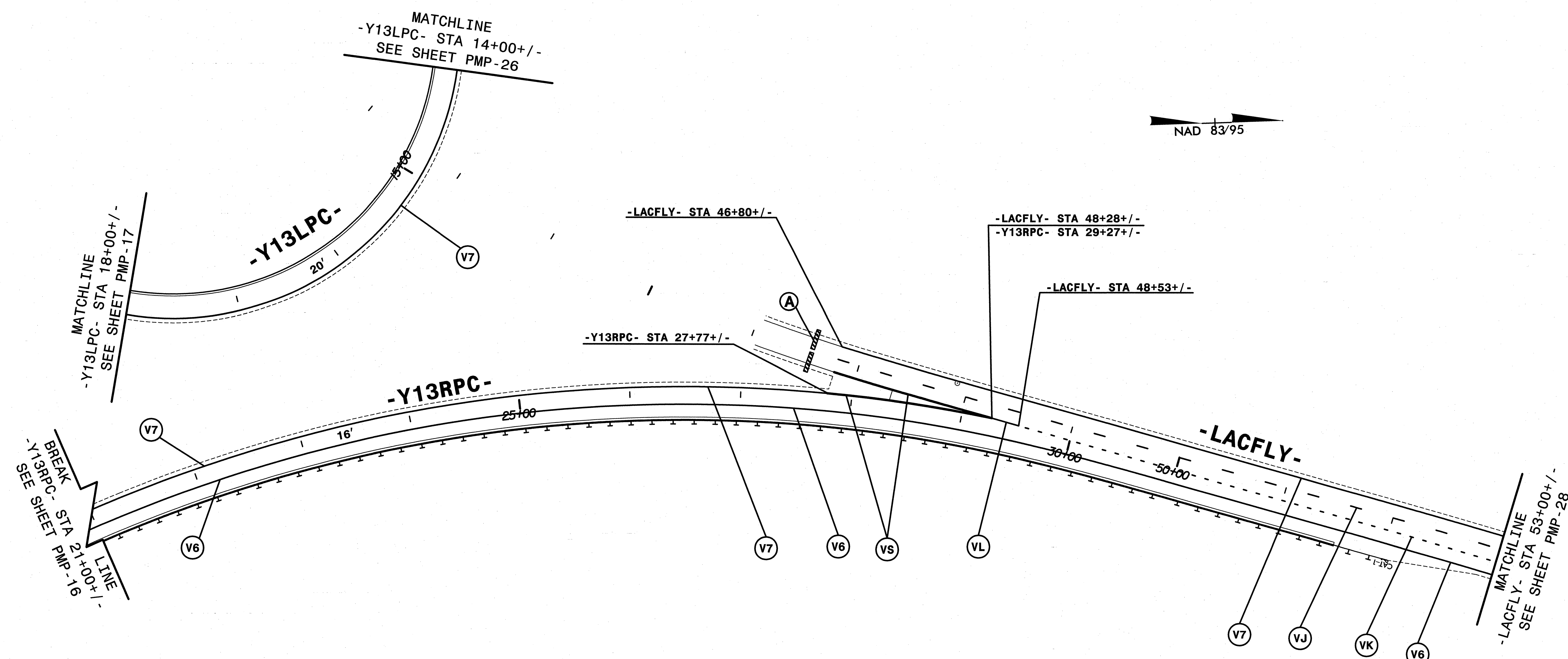
APPROVED: *[Signature]* DATE: 1-28-14  
 SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 ENGINEER  
 RONDA B. EARLY  
 023521



TRANSPORTATION  
 MANAGEMENT PLAN  
 FINAL PAVEMENT  
 MARKING PLANS

QA/QC STAGE:  
 REVIEW:  
 CONCUR:  
 REVISE:  
 VERIFY:

8/17/99



DEVICE(S) TO REMAIN ONSITE  
UPON COMPLETION OF PROJECT

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

REVISIONS

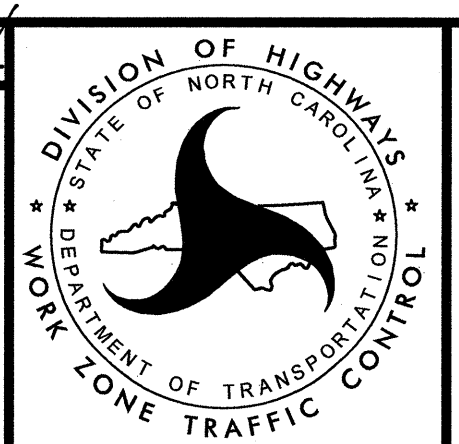
REVIEW:	
CONCLUR:	
REVISE:	
VERIFY:	

11:30 AM 09/28/99  
3:38 PM 10/01/99  
4:38 PM 10/01/99

**HNTB** HNTB NORTH CAROLINA, P.C.  
343 E. Six Forks Road, Suite 200  
Raleigh, North Carolina 27609  
NC License No: C-1554

APPROVED: *[Signature]* DATE: 1-28-99

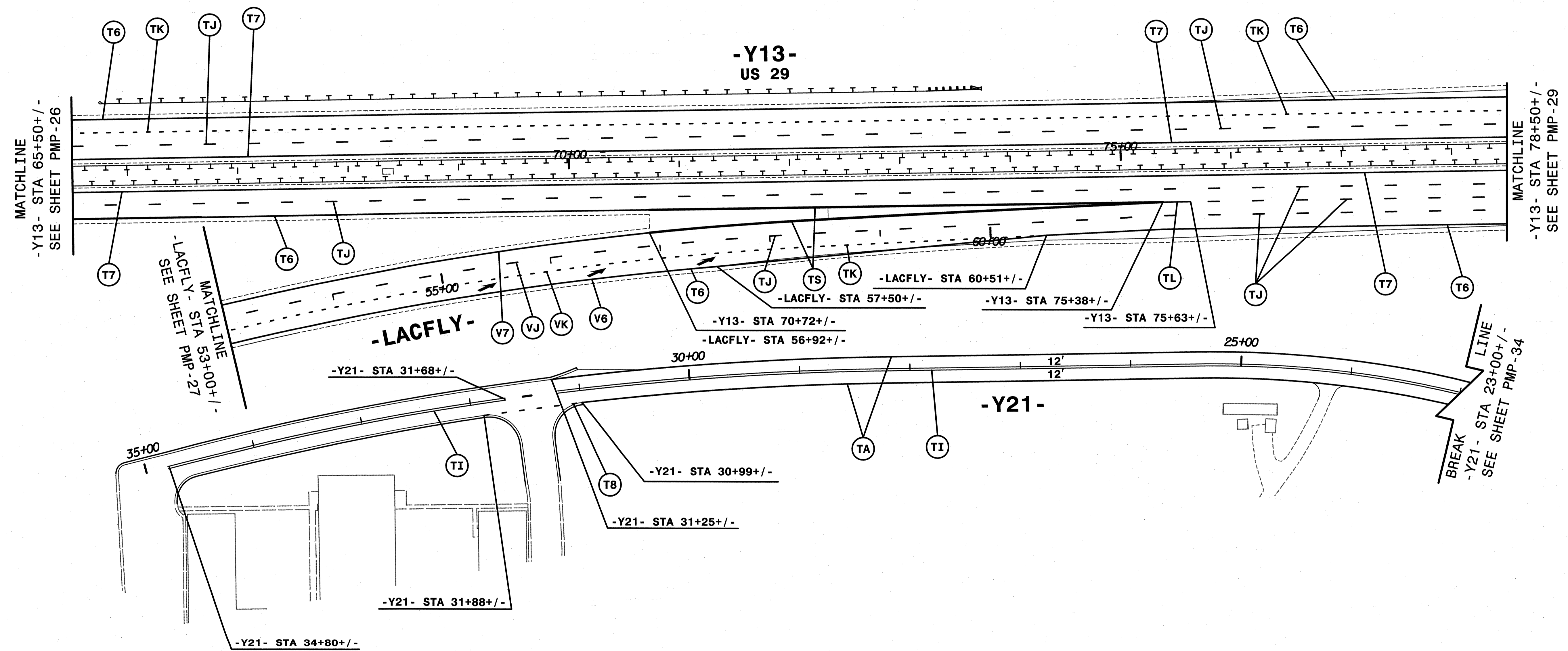
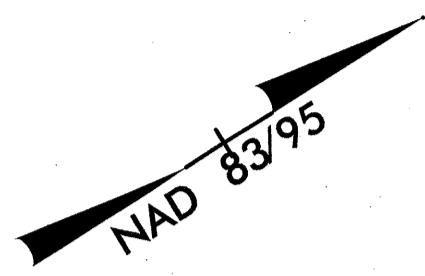
SEAL



TRANSPORTATION  
MANAGEMENT PLAN

FINAL PAVEMENT  
MARKING PLANS

8/17/99



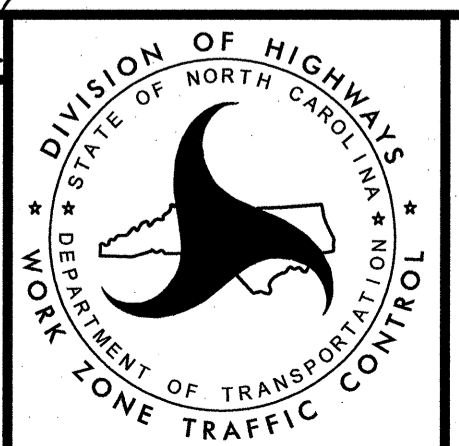
REVISIONS

REVIEW: \_\_\_\_\_  
 CONCUR: \_\_\_\_\_  
 REVISE: \_\_\_\_\_  
 VERIFY: \_\_\_\_\_  
 QACQ STAGE: \_\_\_\_\_  
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 \$\$\$SUBSERVING\$\$\$

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

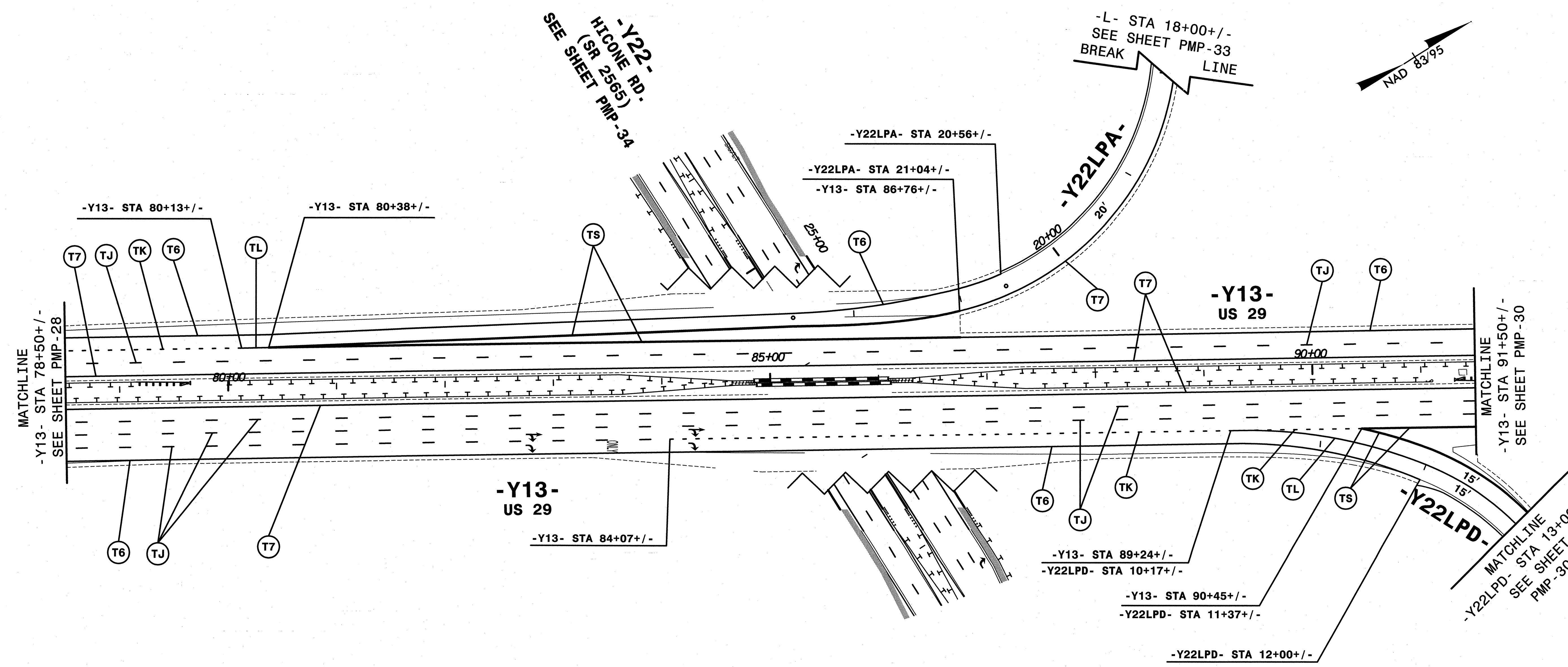
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 343 E. Six Forks Road, Suite 200  
 Raleigh, North Carolina 27609  
 NC License No: C-1554

APPROVED: *Frank S. Early* DATE: 1-28-14  
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 PROFESSIONAL  
 ENGINEER  
 FRANK S. EARLY  
 023521



TRANSPORTATION  
 MANAGEMENT PLAN  
 FINAL PAVEMENT  
 MARKING PLANS

8/17/99



REVISIONS

QA/QC STAGE:	
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REVISE:	
VERIFY:	

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

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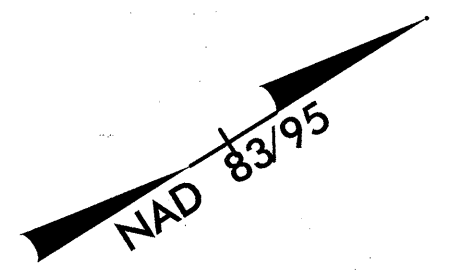
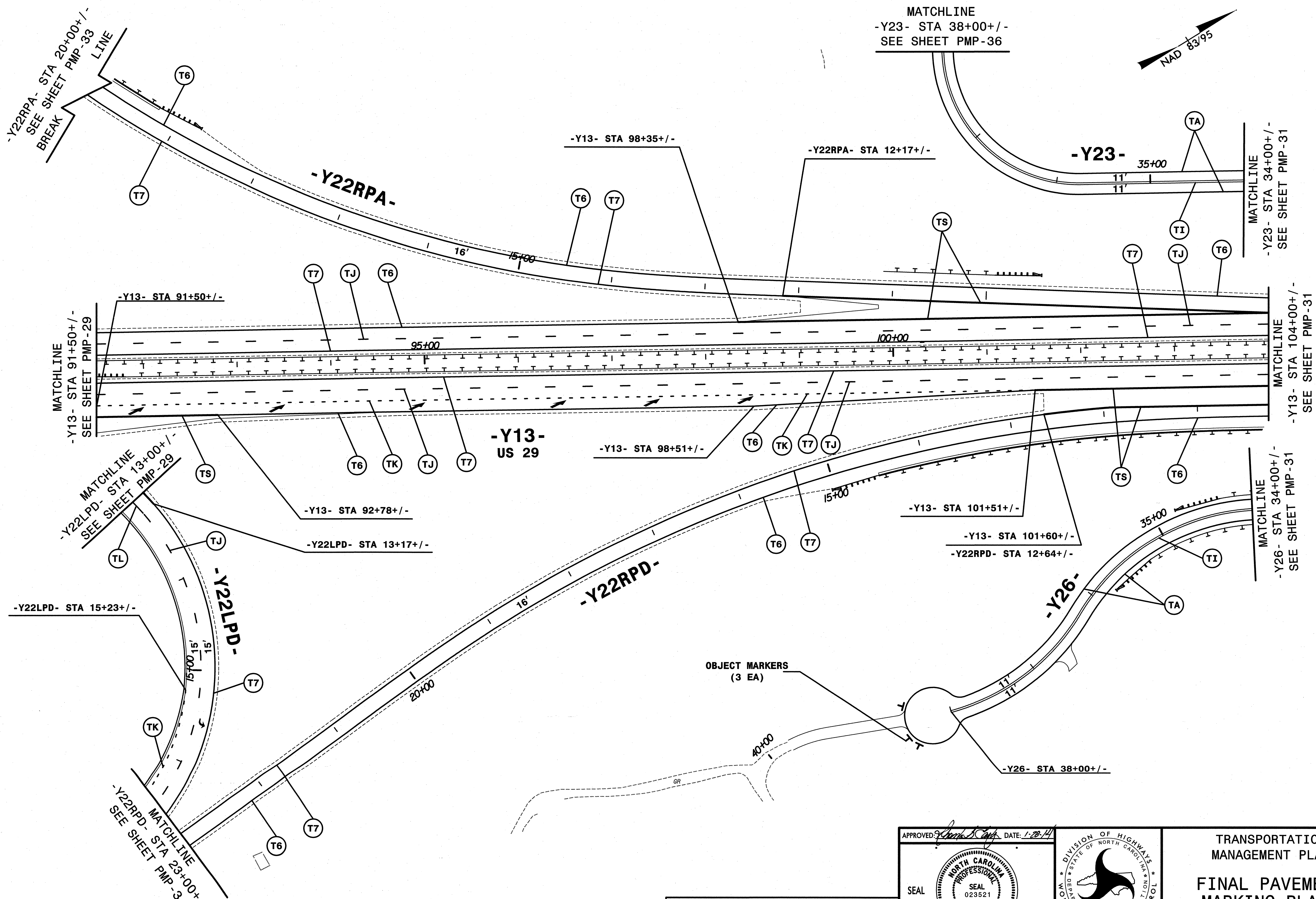
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 PROFESSIONAL  
 ENGINEER  
 RONDA B. EARLY  
 023521

DIVISION OF HIGHWAYS  
 STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 WORK ZONE TRAFFIC CONTROL

TRANSPORTATION  
 MANAGEMENT PLAN  
 FINAL PAVEMENT  
 MARKING PLANS

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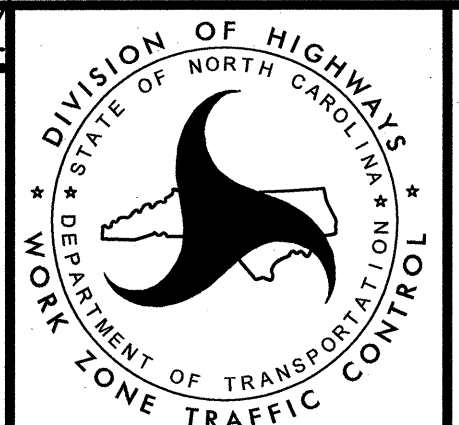
REVISIONS

QA/QC STAGE:	
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CONCUR:	
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VERIFY:	

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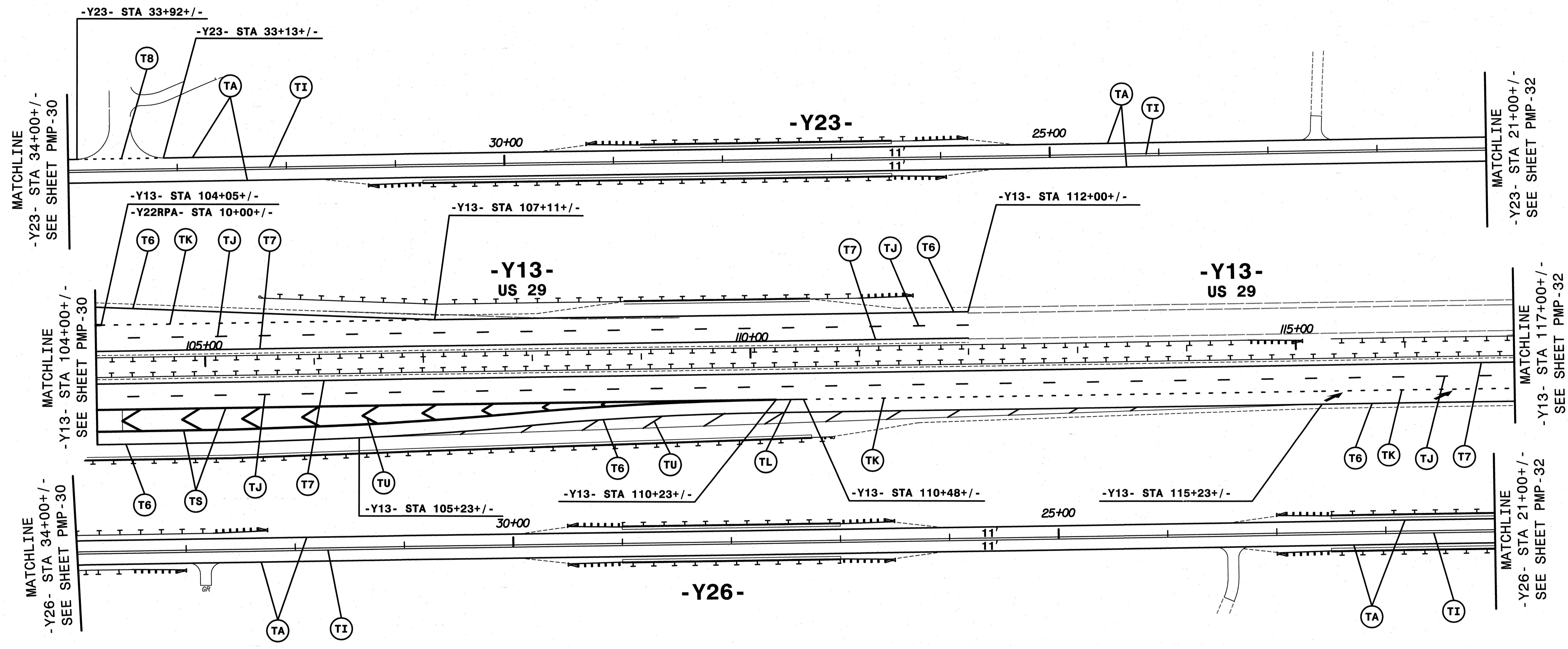
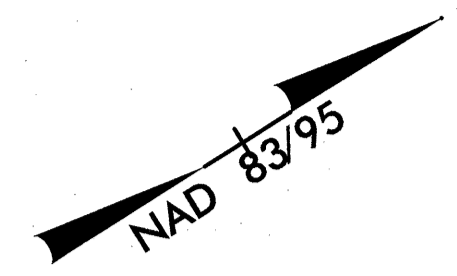
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 RALEIGH, NORTH CAROLINA 27609  
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 FLORIDA B. EMBRY  
 SEAL 023521



TRANSPORTATION  
 MANAGEMENT PLAN  
**FINAL PAVEMENT  
 MARKING PLANS**





MATCHLINE  
-Y23- STA 34+00+/-  
SEE SHEET PMP-30

MATCHLINE  
-Y13- STA 104+00+/-  
SEE SHEET PMP-30

MATCHLINE  
-Y26- STA 34+00+/-  
SEE SHEET PMP-30

MATCHLINE  
-Y23- STA 21+00+/-  
SEE SHEET PMP-32

MATCHLINE  
-Y13- STA 117+00+/-  
SEE SHEET PMP-32

MATCHLINE  
-Y26- STA 21+00+/-  
SEE SHEET PMP-32

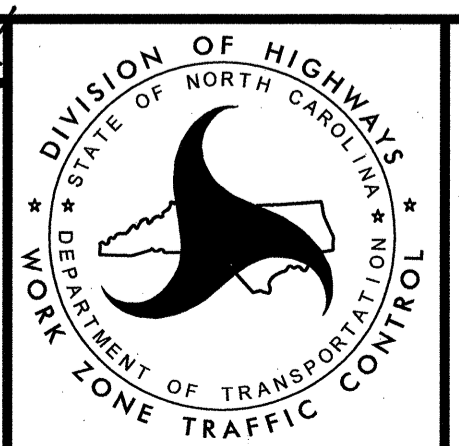
REVISIONS

QA/QC STAGE:  
REVIEW:  
CONCUR:  
REVISE:  
VERIFY:

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

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ENGINEER  
RYONDA S. EARLY  
023521

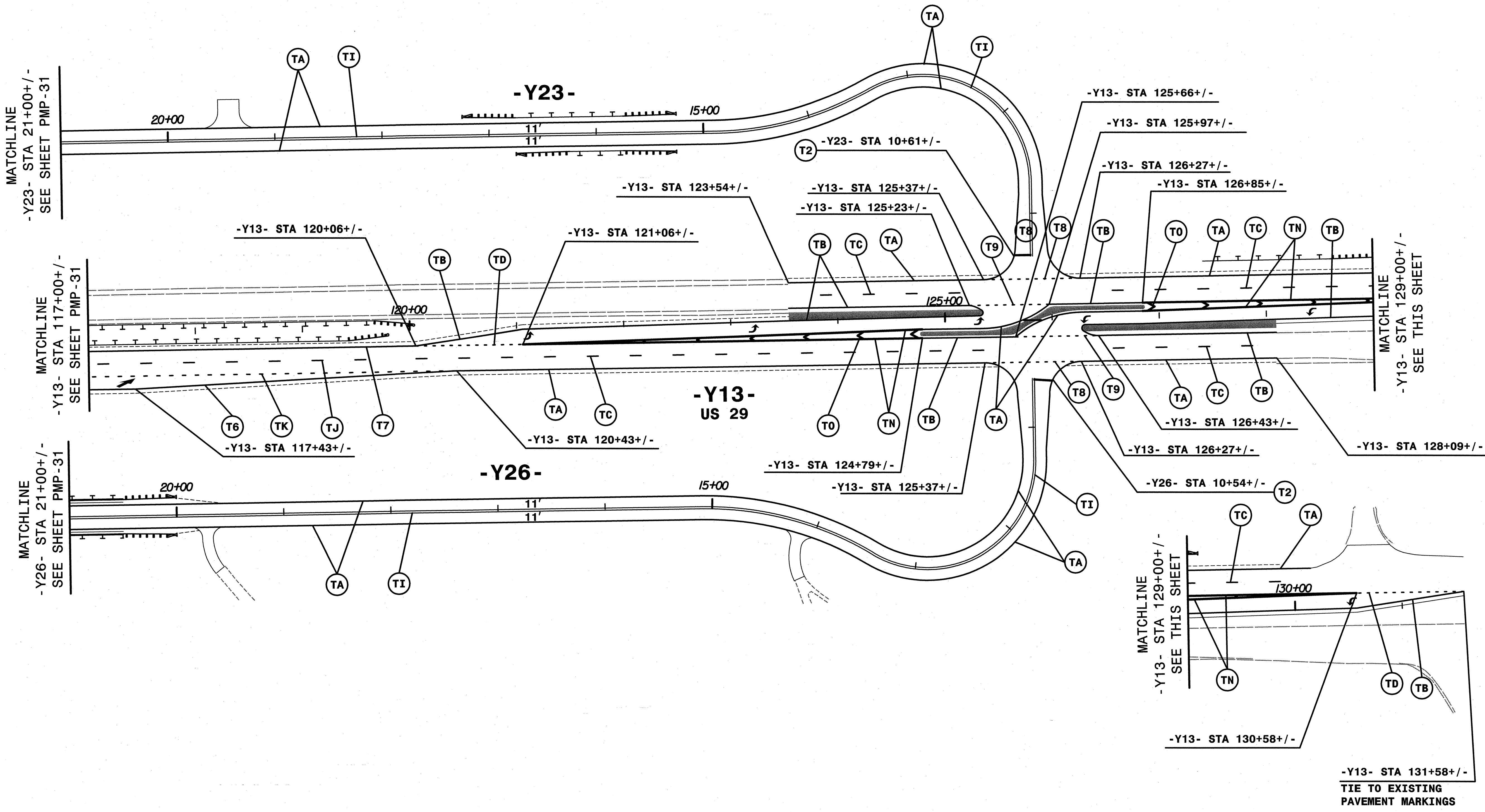
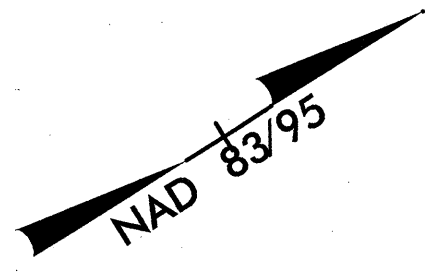


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MANAGEMENT PLAN  
**FINAL PAVEMENT  
MARKING PLANS**

8/17/99

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8/17/99



REVISIONS

QA/QC STAGE:	
REVIEW:	
CONCLUR:	
REVISE:	
VERIFY:	

USE STANDARD WIDTH MARKING ON -Y13- FROM STA 120+06+/- TO STA 131+58+/-

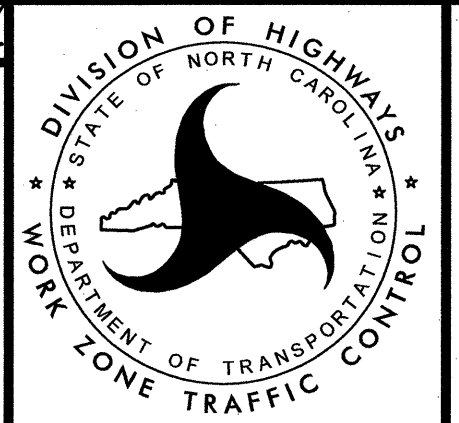
ENGINEER TO APPROVE LOCATION OF ALL UNSIGNALIZED STOPBARS.

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

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APPROVED: *[Signature]* DATE: 1-28-14

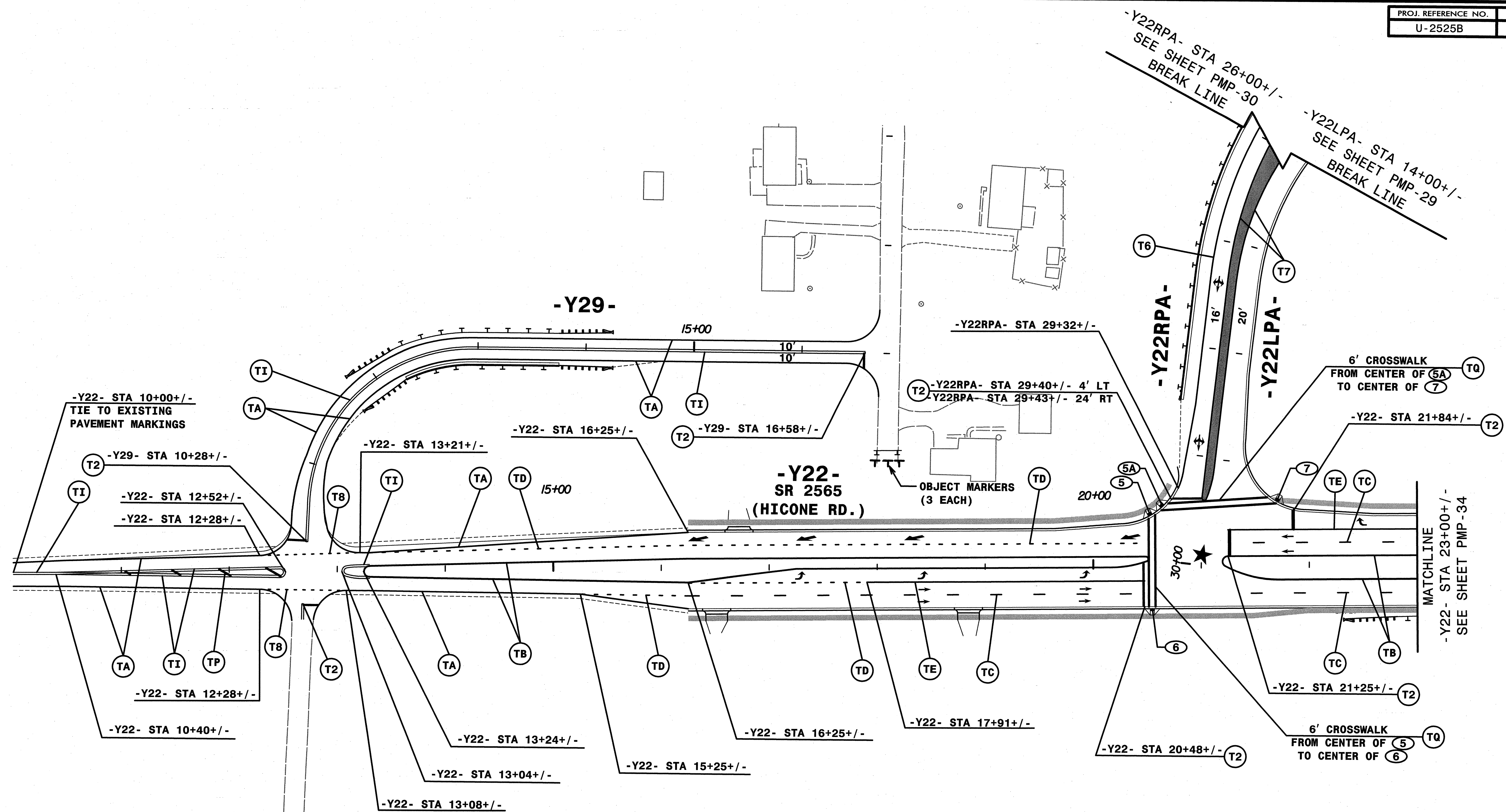
SEAL  
 NORTH CAROLINA  
 PROFESSIONAL ENGINEER  
 FIONDA B. EARLY  
 023521



TRANSPORTATION  
 MANAGEMENT PLAN

**FINAL PAVEMENT  
 MARKING PLANS**

8/17/99



NAD 83/95

- CURB RAMP LOCATIONS:**
- ⑤ -Y22- STA 20+53+/- 49' LT
  - ⑤A -Y22- STA 20+64+/- 58' LT
  - ⑥ -Y22- STA 20+55+/- 38' RT
  - ⑦ -Y22- STA 21+70+/- 62' LT

REVISIONS

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GAQC STAGE:

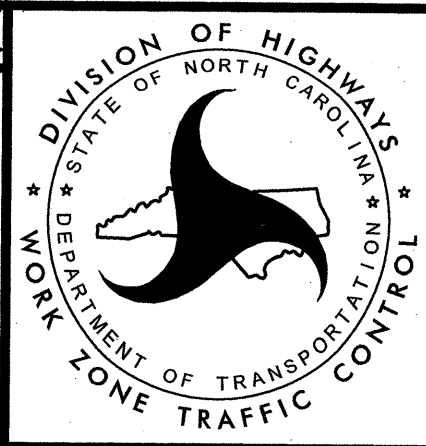
REVIEW:  
CONCUR:  
REVISE:  
VERIFY:

ENGINEER TO APPROVE LOCATION OF ALL UNSIGNALIZED STOPBARS.

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

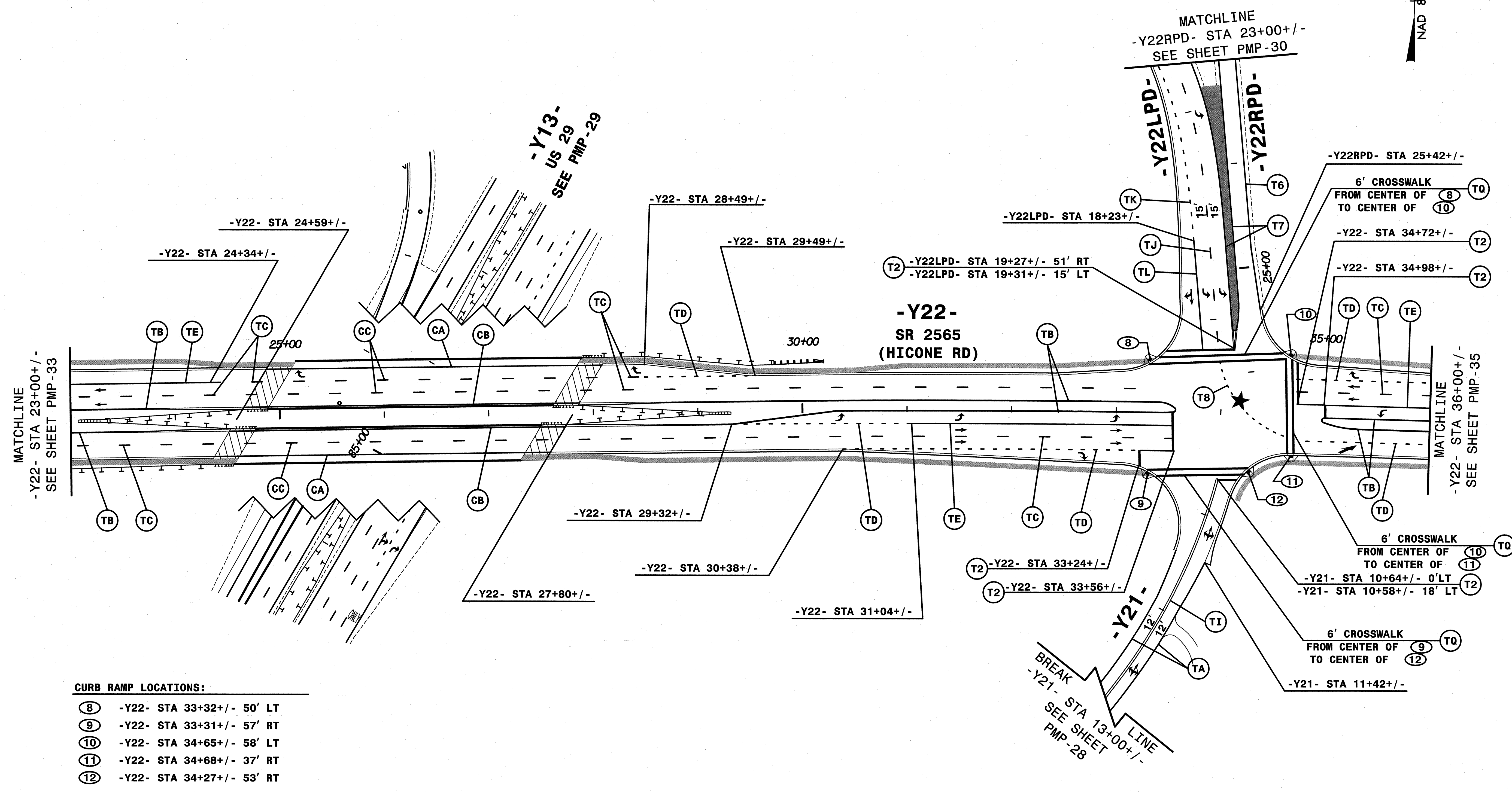
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ENGINEER  
FLORIDA B. ENRY  
023521



TRANSPORTATION  
MANAGEMENT PLAN  
**FINAL PAVEMENT  
MARKING PLANS**

8/17/99



- CURB RAMP LOCATIONS:**
- ⑧ -Y22- STA 33+32+/- 50' LT
  - ⑨ -Y22- STA 33+31+/- 57' RT
  - ⑩ -Y22- STA 34+65+/- 58' LT
  - ⑪ -Y22- STA 34+68+/- 37' RT
  - ⑫ -Y22- STA 34+27+/- 53' RT

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

REVISIONS

QA/QC STAGE:

REVIEW:  
CONCUR:  
REVISE:  
VERIFY:

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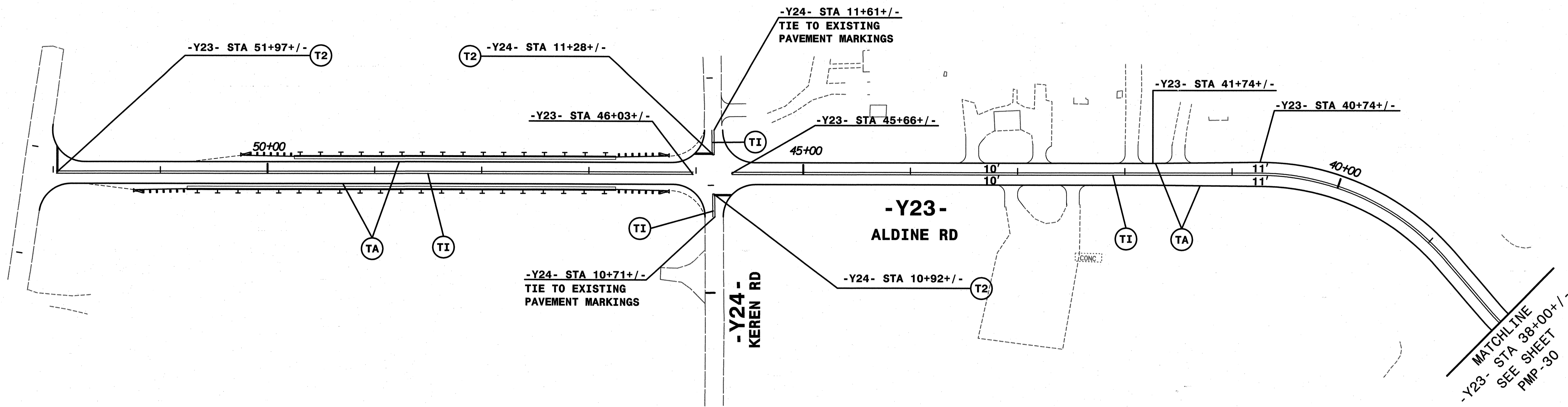
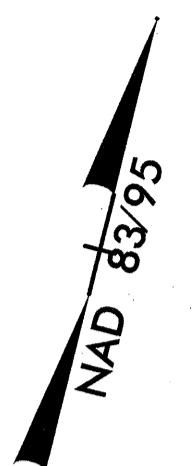
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029521  
RYONDA B. EARLY



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MANAGEMENT PLAN

**FINAL PAVEMENT  
MARKING PLANS**





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CONCUR:	
REVISE:	
VERIFY:	

ENGINEER TO APPROVE LOCATION OF ALL UNSIGNALIZED STOPBARS.

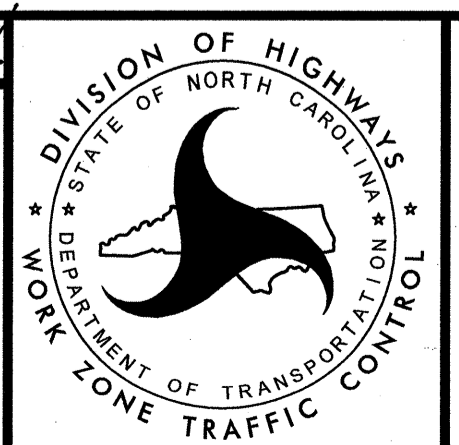
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 NORTH CAROLINA PROFESSIONAL ENGINEER  
 RYONDA S. EARLY  
 SEAL 023521



TRANSPORTATION MANAGEMENT PLAN  
**FINAL PAVEMENT MARKING PLANS**