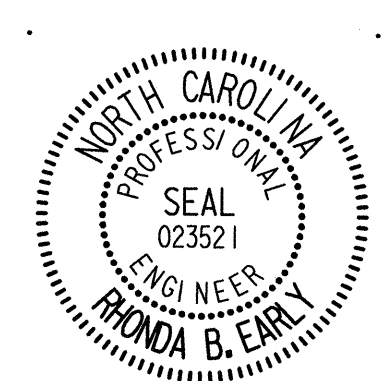


STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

TIP NO. U-2803	SHEET NO. PMP-1
APPROVED: <i>Ronda B. Early</i>	
DATE: 8-31-12	
SEAL 	

PAVEMENT MARKING PLAN
ORANGE COUNTY

LOCATION: CARRBORO - SR 1919 (SMITH LEVEL RD) FROM SOUTH OF
ROCK HAVEN ROAD TO BRIDGE NO. 88 OVER MORGAN CREEK

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
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOL AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT & TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES & MOUNTING
1262.01	GUARDRAIL END DELINEATION

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 |
|-----------|---------------|--------|
| ALL ROADS | THERMOPLASTIC | RAISED |
- B) ON ASPHALT SURFACES USE HEATED-IN-PLACE THERMOPLASTIC OR EXTRUDED THERMOPLASTIC MARKINGS FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS.
- C) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- D) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS THAT HAVE BEEN DAMAGED BY THE END OF EACH DAY'S OPERATION.
- E) PASSING ZONE(S) WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
- F) MARKERS SHALL BE INSTALLED ACCORDING TO THE NCDOT ROADWAY STANDARD DRAWING 1250.01.
- G) STOPBARS AT NON-SIGNALIZED INTERSECTIONS ARE TO BE LOCATED A MIN OF 6' FROM THE EDGE OF TRAVEL LANE AND MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN COVER SHEET
PMP-1A	PAVEMENT MARKING LEGEND & SCHEDULE
PMP-2 THRU PMP-6	PAVEMENT MARKING DETAILS

HNTB HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
C-1554

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

S. Kunz SIGNING & DELINEATION REGIONAL ENGINEER
S. Coleman SIGNING & DELINEATION PROJECT DESIGN ENGINEER

PLAN PREPARED BY: HNTB NORTH CAROLINA

R. B. Early, PE PROJECT ENGINEER
A. R. Landis, PE PROJECT DESIGNER

T.I.P.: U-2803

CONTRACT: C202848

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

FINAL PAVEMENT MARKING SCHEDULE

MATERIAL	SYMBOL	DESCRIPTION
PAVEMENT MARKING		
<u>THERMOPLASTIC (4", 90MIL)</u>		
	TA	WHITE EDGELINE
	TB	YELLOW EDGELINE
<u>THERMOPLASTIC (4", 120MIL)</u>		
	T8	2 FT - 6 FT/ SP WHITE MINISKIP
	T9	2 FT - 6 FT/ SP YELLOW MINISKIP
	TC	10 FT WHITE SKIP
	TD	3 FT - 9 FT/ SP WHITE MINISKIP
	TE	WHITE SOLID LANE LINE
	TI	YELLOW DOUBLE CENTER
<u>THERMOPLASTIC (8", 90MIL)</u>		
	TP	YELLOW DIAGONAL
<u>THERMOPLASTIC (8", 120MIL)</u>		
	TQ	WHITE CROSSWALK LINE
<u>THERMOPLASTIC (24", 120MIL)</u>		
	T2	WHITE STOPBAR
	T3	WHITE CROSSWALK LINE
<u>THERMOPLASTIC SYMBOL</u>		
	UA	LEFT TURN ARROW
	UB	RIGHT TURN ARROW
	UC	STRAIGHT ARROW
	UE	STRAIGHT/RIGHT ARROW
	UI	ALPHANUMERIC
	UJ	BICYCLE SYMBOL
	UK	BICYCLE STRAIGHT ARROW
	UN	24" YIELD LINE TRIANGLE
	UP	MERGE ARROW

LEGEND

GENERAL

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

PAVEMENT MARKINGS

PAVEMENT MARKING SYMBOLS
 PAVEMENT MARKING CHARACTERS


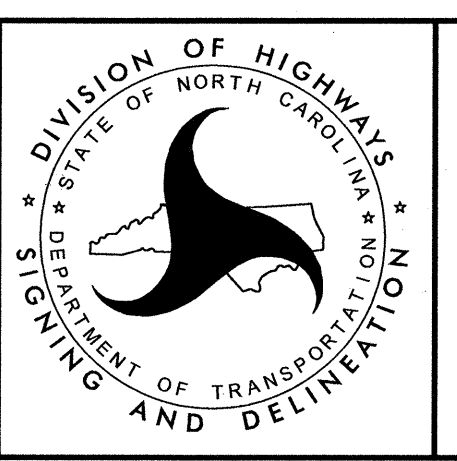
REVISIONS

QA/QC STAGE: _____
 REVIEW: _____
 CONCUR: _____
 REVISE: _____
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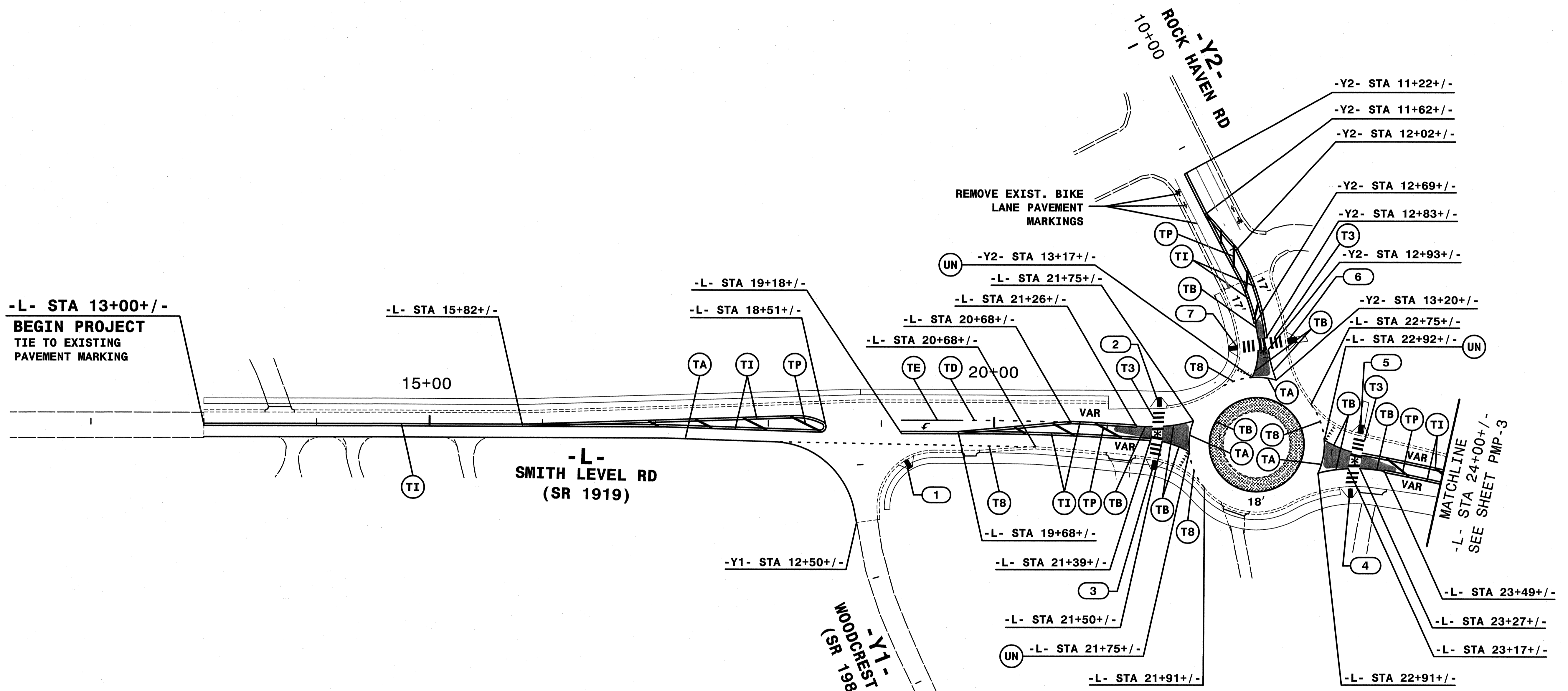
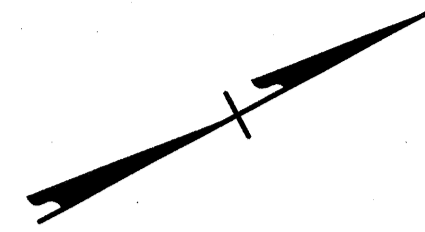
APPROVED: *Phonda B. Early* DATE: 8-31-12

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SIGNING AND DELINEATION

FINAL PAVEMENT MARKING PLANS



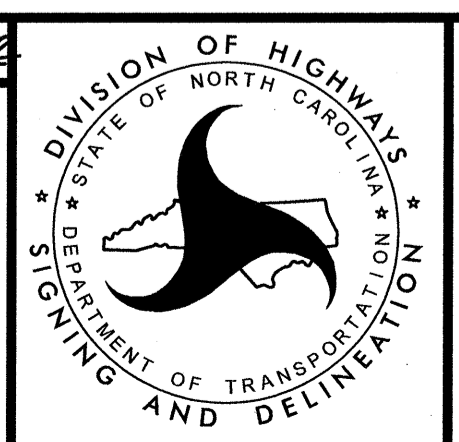
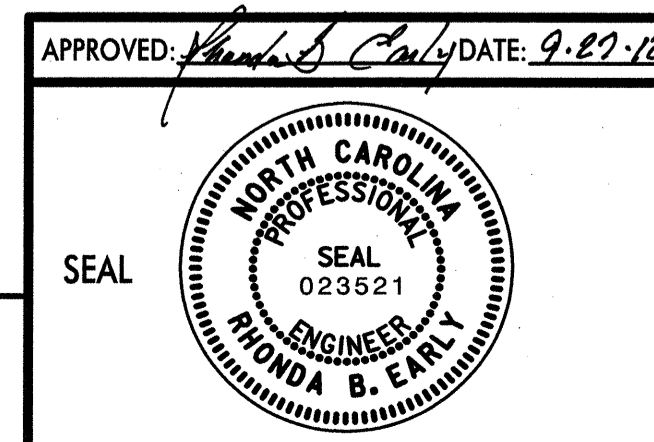
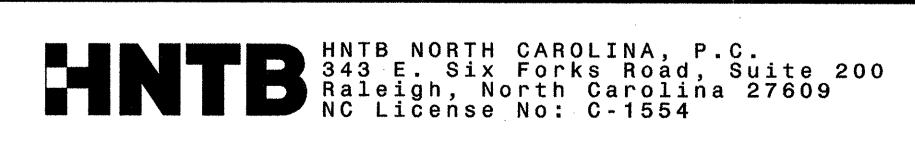
- ACCESS RAMP LOCATIONS:**
- 1 -L- STA 19+22+/-
 - 2 -L- STA 21+45+/-
 - 3 -L- STA 21+45+/-
 - 4 -L- STA 23+22+/-
 - 5 -L- STA 23+22+/-
 - 6 -Y2- STA 12+88+/-
 - 7 -Y2- STA 12+89+/-

REFER TO SHEET PMP-1A FOR PAVEMENT MARKING SCHEDULE.

ALL LANE WIDTHS ARE 11' UNLESS OTHERWISE SHOWN.

ALL BIKE LANE WIDTHS ARE 5' UNLESS OTHERWISE SHOWN.

* SEE SHEET 2-J (ROADWAY PLANS) FOR DETECTABLE WARNING DOMES LOCATED IN MEDIAN ISLAND WITH CUT-THROUGHS.

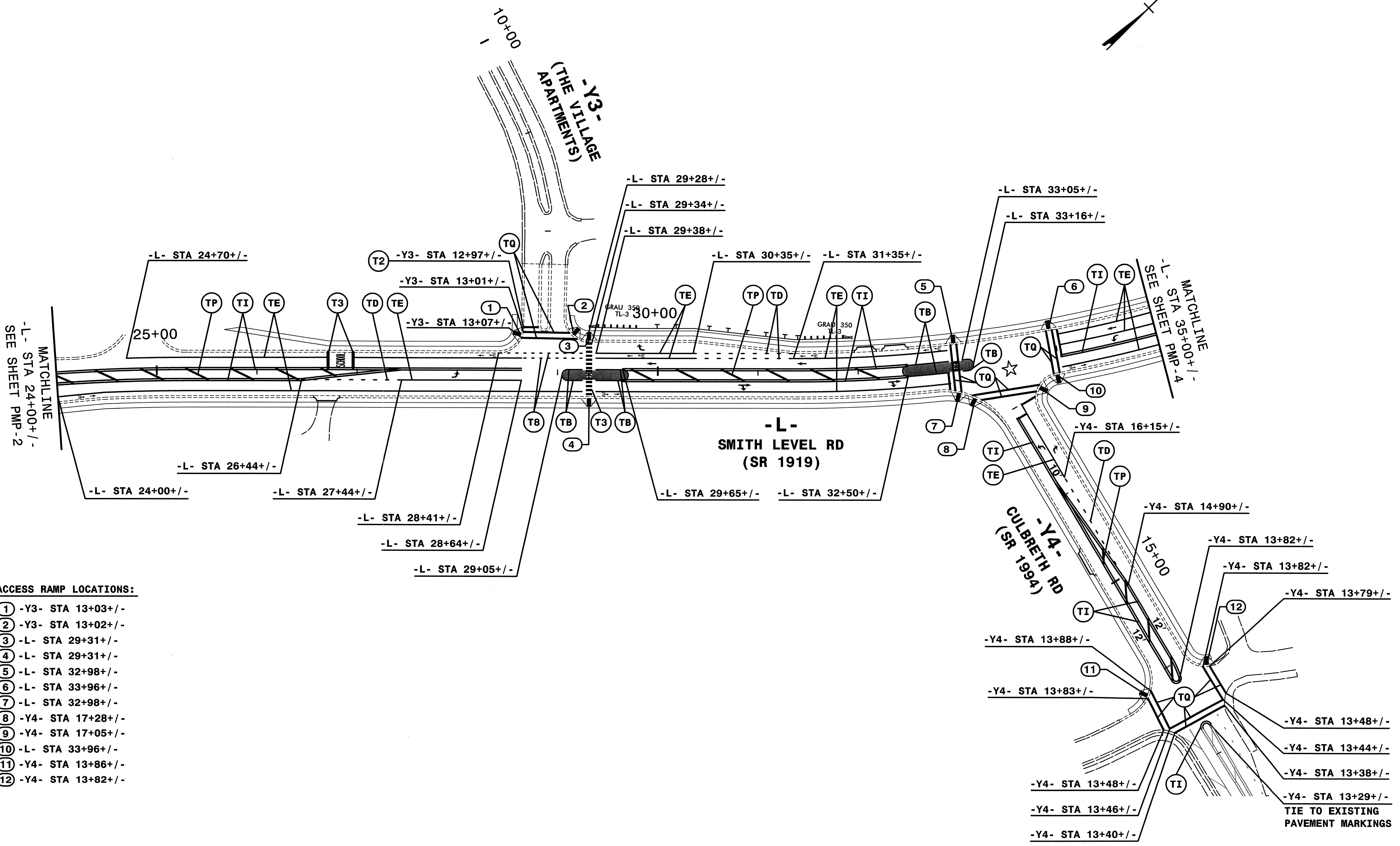
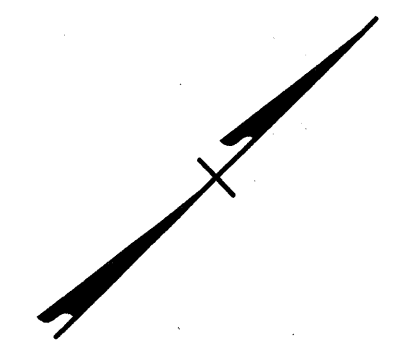


SIGNING AND DELINEATION

FINAL PAVEMENT MARKING PLANS

8/17/99
 REVISIONS
 Q/A/QC STAGE:
 REVIEW:
 CONCUR:
 REVISE:
 VERIFY:

8/17/99



- ACCESS RAMP LOCATIONS:**
- ① -Y3- STA 13+03+/-
 - ② -Y3- STA 13+02+/-
 - ③ -L- STA 29+31+/-
 - ④ -L- STA 29+31+/-
 - ⑤ -L- STA 32+98+/-
 - ⑥ -L- STA 33+96+/-
 - ⑦ -L- STA 32+98+/-
 - ⑧ -Y4- STA 17+28+/-
 - ⑨ -Y4- STA 17+05+/-
 - ⑩ -L- STA 33+96+/-
 - ⑪ -Y4- STA 13+86+/-
 - ⑫ -Y4- STA 13+82+/-

REFER TO SHEET PMP-1A FOR PAVEMENT MARKING SCHEDULE.

ALL LANE WIDTHS ARE 11' UNLESS OTHERWISE SHOWN.

ALL BIKE LANE WIDTHS ARE 5' UNLESS OTHERWISE SHOWN.

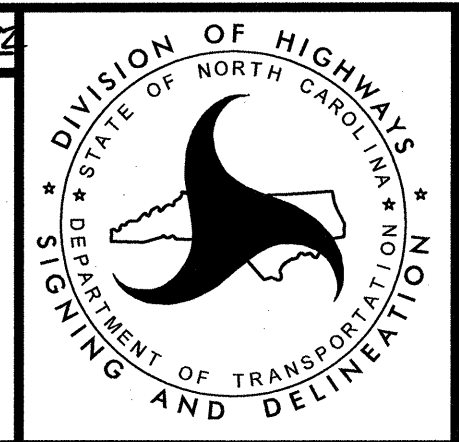
SEE SHEET PM-6 FOR STOP BARS & CROSSWALKS LOCATIONS AT SIGNAL.

* SEE SHEET 2-J (ROADWAY PLANS) FOR DETECTABLE WARNING DOMES LOCATED IN MEDIAN ISLAND WITH CUT-THROUGH'S.

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 Raleigh, North Carolina 27609
 NC License No: C-1554

APPROVED: *Phonda B. Early* DATE: 9-29-99

SEAL
 NORTH CAROLINA
 PROFESSIONAL ENGINEER
 SEAL 023521
 PHONDA B. EARLY

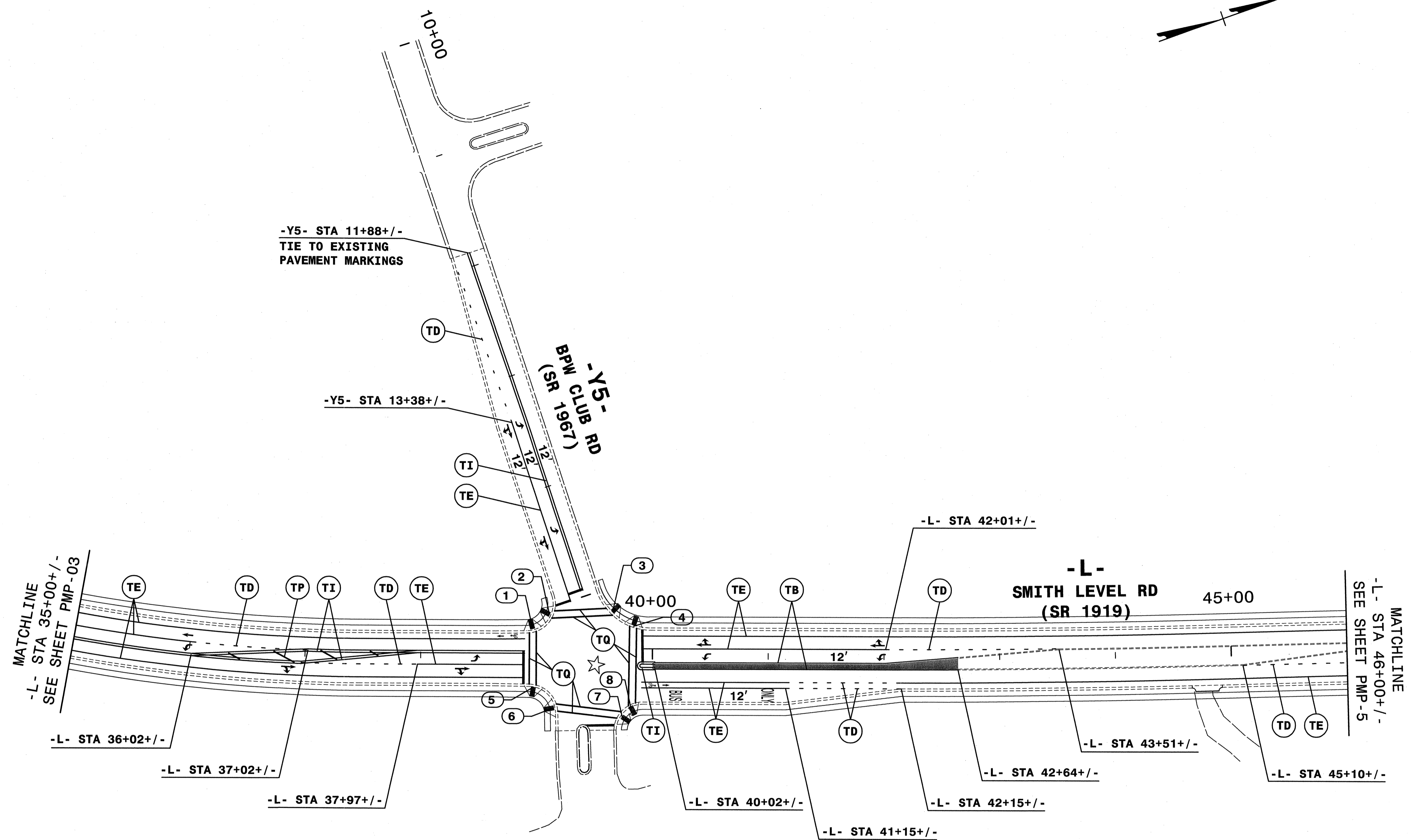
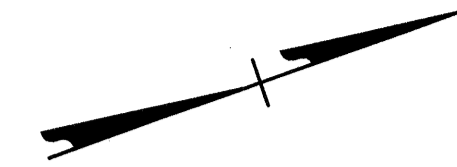


SIGNING AND DELINEATION

FINAL PAVEMENT MARKING PLANS

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

8/17/99



- ACCESS RAMP LOCATIONS:**
- ① -L- STA 38+96+/-
 - ② -Y5- STA 15+06+/-
 - ③ -Y5- STA 15+20+/-
 - ④ -L- STA 39+84+/-
 - ⑤ -L- STA 38+97+/-
 - ⑥ -L- STA 39+15+/-
 - ⑦ -L- STA 39+74+/-
 - ⑧ -L- STA 39+81+/-

REFER TO SHEET PMP-1A FOR PAVEMENT MARKING SCHEDULE.

ALL LANE WIDTHS ARE 11' UNLESS OTHERWISE SHOWN.

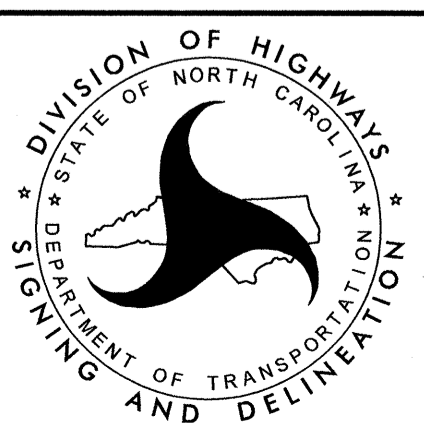
ALL BIKE LANE WIDTHS ARE 5' UNLESS OTHERWISE SHOWN.

SEE SHEET PM-6 FOR STOP BARS & CROSSWALKS LOCATIONS AT SIGNAL.

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 3439 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 NC License No: C-1554

APPROVED: *[Signature]* DATE: 8/31/12

SEAL
 NORTH CAROLINA
 PROFESSIONAL
 ENGINEER
 RONDA B. EARLY
 023521



SIGNING AND DELINEATION

FINAL PAVEMENT MARKING PLANS

REVISIONS

QA/QC STAGE:

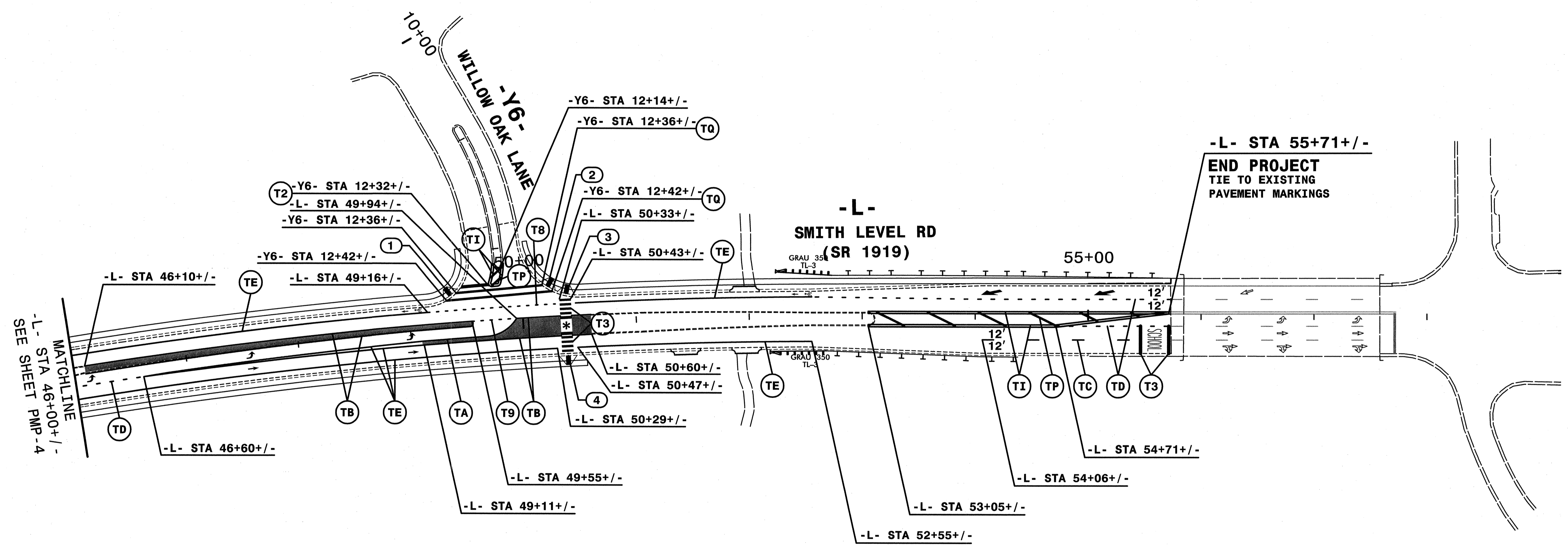
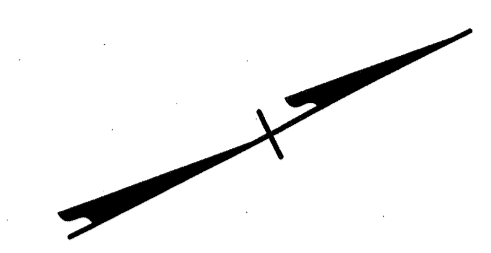
REVIEW: _____

CONCUR: _____

REVISE: _____

VERIFY: _____

8/17/99



ACCESS RAMP LOCATIONS:

- ① -Y6- STA 12+37+/-
- ② -Y6- STA 12+37+/-
- ③ -L- STA 50+39+/-
- ④ -L- STA 50+38+/-

REFER TO SHEET PMP-1A FOR PAVEMENT MARKING SCHEDULE.

ALL LANE WIDTHS ARE 11' UNLESS OTHERWISE SHOWN.

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* SEE SHEET 2-J (ROADWAY PLANS) FOR DETECTABLE WARNING DOMES LOCATED IN MEDIAN ISLAND WITH CUT-THROUGH'S.

REVISIONS

REVIEW: _____

CONCUR: _____

REVISE: _____

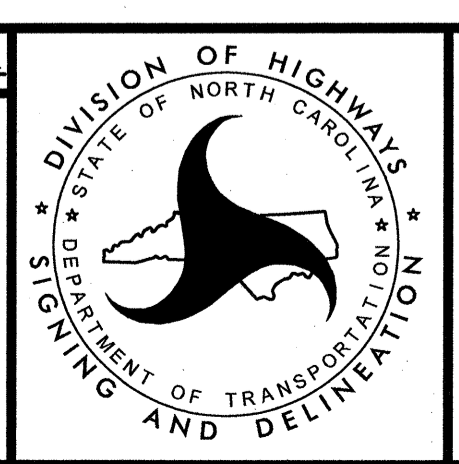
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QA/QC STAGE: _____

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

APPROVED: *[Signature]* DATE: 9-22-12

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
WANDA B. EARLY
023521

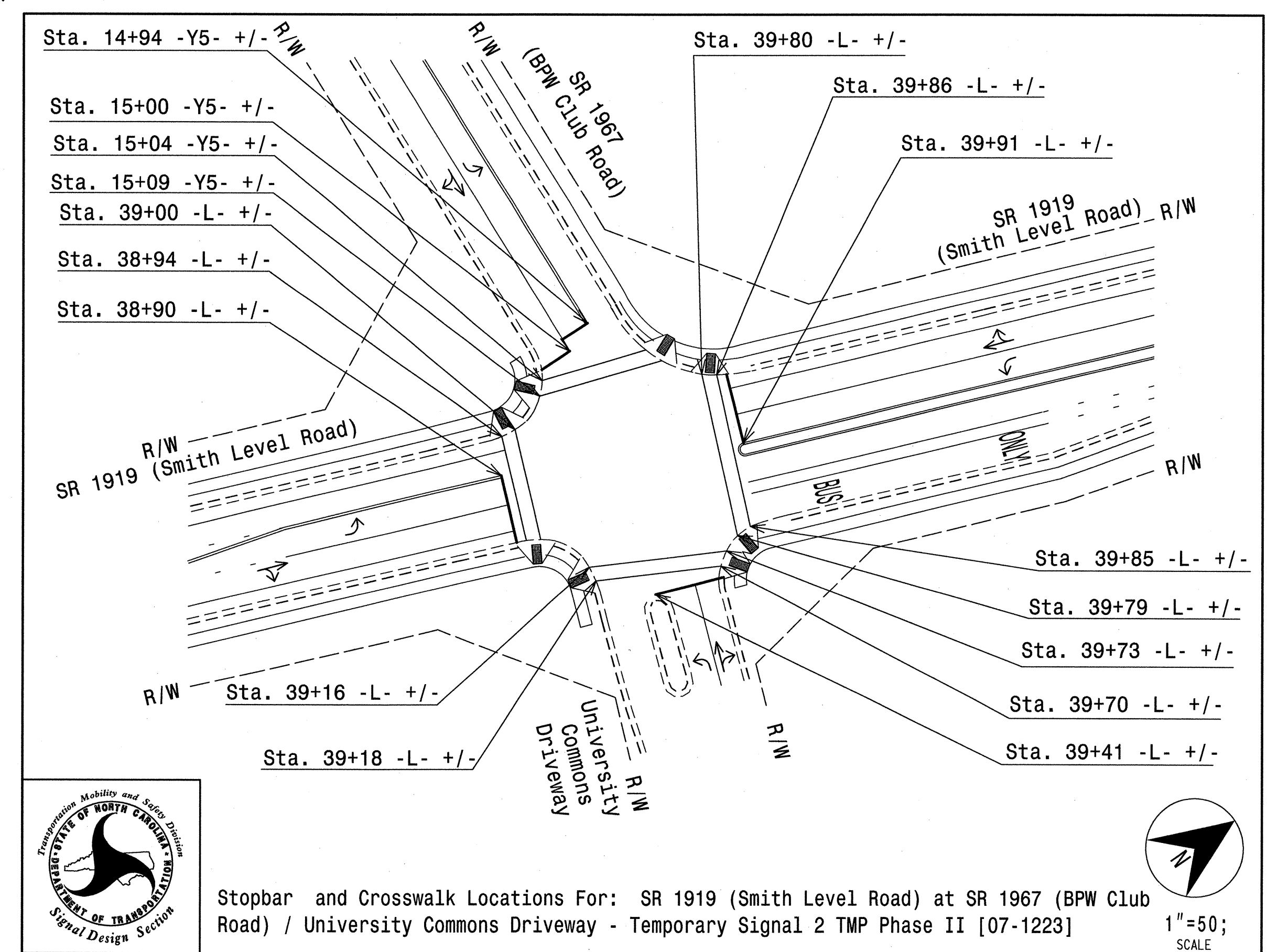
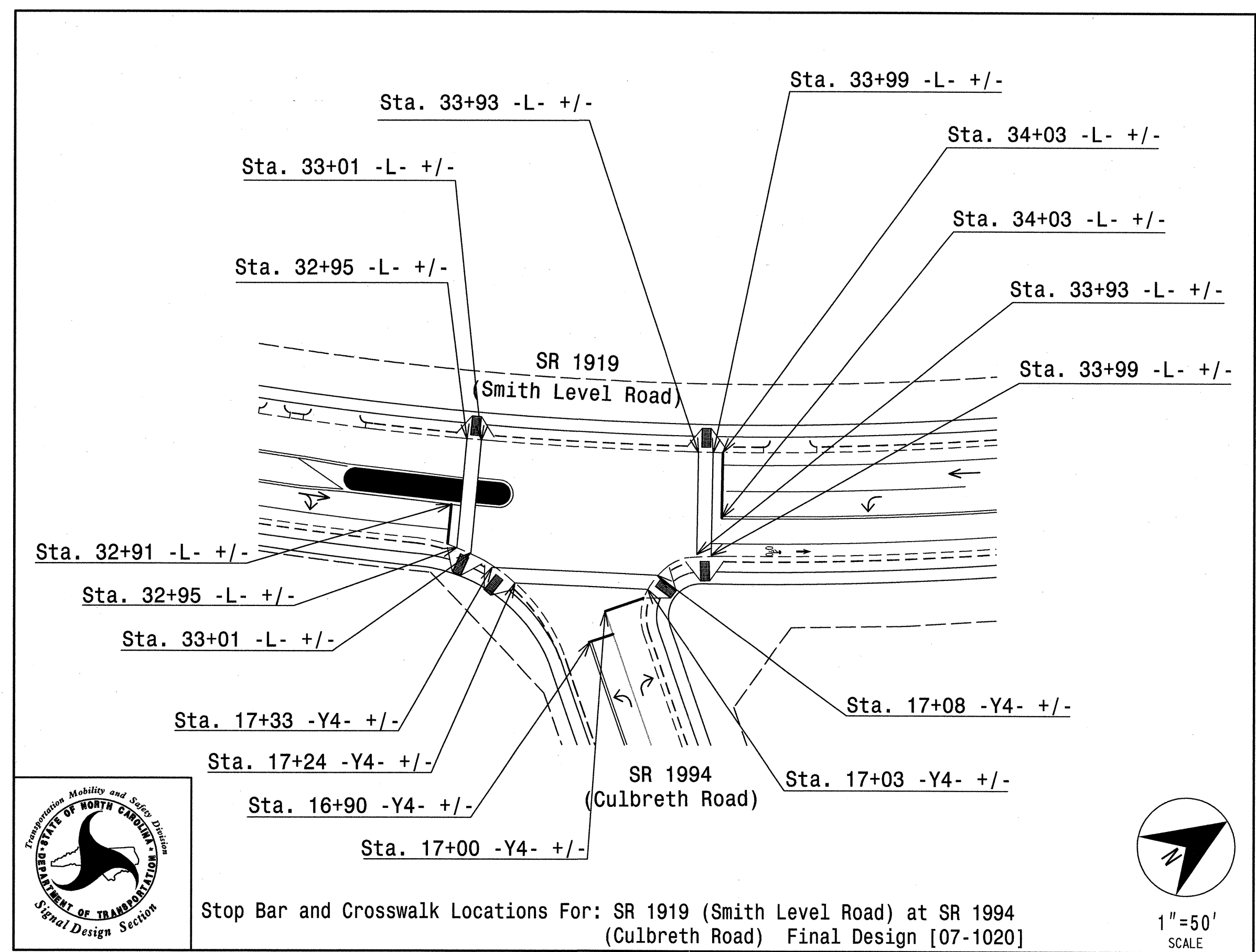


SIGNING AND DELINEATION

FINAL PAVEMENT MARKING PLANS

8/17/99

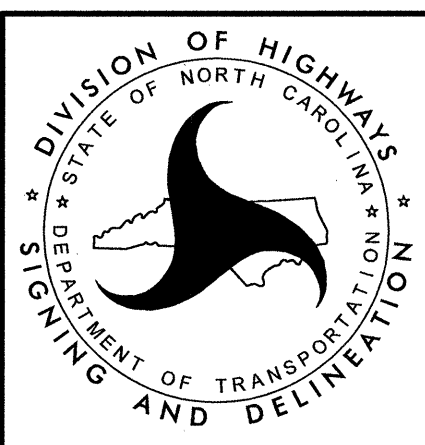
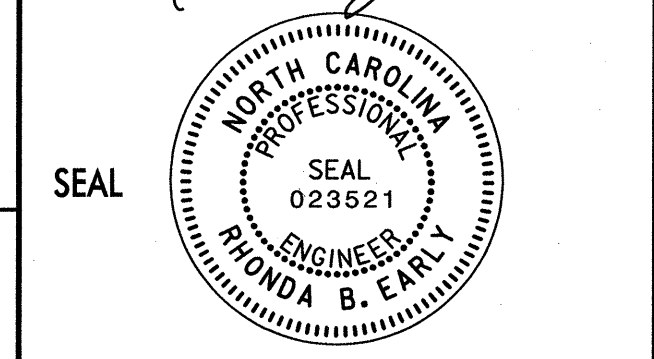
REVISIONS



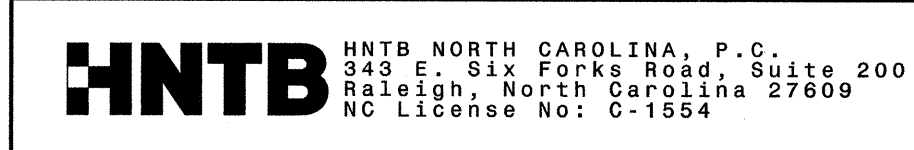
-Y4- & -Y5-
STOP BARS &
CROSSWALKS

**-Y4- & -Y5- STOP BARS & CROSSWALKS
SHOWN AS PROVIDED BY
NCDOT SIGNAL DESIGN SECTION
ON 8/22/12**

APPROVED: *[Signature]* DATE: *8-21-12*



SIGNING AND DELINEATION
**FINAL PAVEMENT
MARKING PLANS**



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