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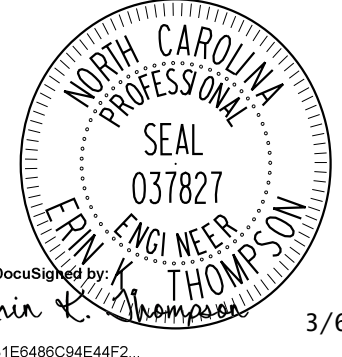
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T.I.P.: EB-4707A

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
ORANGEDURHAM COUNTY**

**LOCATION: SR 1838 (OLD DURHAM ROAD)/SR 2220 (OLD CHAPEL HILL ROAD)
FROM US 15-501 IN ORANGE COUNTY TO SR 1113 (POPE ROAD)
IN DURHAM COUNTY**

TIP NO. EB-4707A	SHEET NO. PMP-1
APPROVED: _____	
DATE: _____	
	
3/6/2019	
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FINAL PAVEMENT MARKING	

INDEX	
SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-2 THRU PMP-6	PAVEMENT MARKING DETAIL

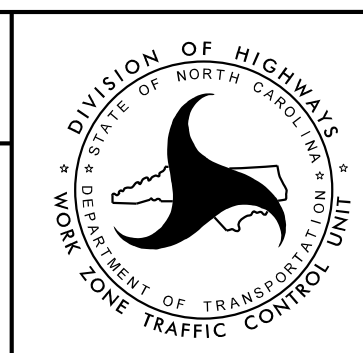
PAVEMENT MARKING SCHEDULE	
SYMBOL	DESCRIPTION
	FINAL PAVEMENT MARKINGS
	THERMOPLASTIC (24", 90 MILS)
T2	WHITE STOPBAR
T3	WHITE CROSSWALK LINE
	THERMOPLASTIC (4", 90 MILS)
TA	WHITE EDGELINE
	THERMOPLASTIC (4", 90 MILS)
T8	WHITE 2' - 6' MINI-SKIP
TE	WHITE SOLID LANE LINE
TF	YELLOW 10' SKIP
TH	YELLOW SINGLE CENTER
TI	YELLOW DOUBLE CENTER
	THERMOPLASTIC (8", 90 MILS)
TP	YELLOW DIAGONAL
	THERMOPLASTIC (8", 90 MILS)
TQ	WHITE CROSSWALK LINE
	THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)
UA	LEFT TURN ARROW
UB	RIGHT TURN ARROW
UC	STRAIGHT ARROW
UD	COMBINATION LEFT TURN AND STRAIGHT ARROW
UJ	BICYCLE SYMBOL
UK	BICYCLE STRAIGHT ARROW
UN	YIELD LINE TRIANGLE
	PAVEMENT MARKER SYMBOLS
MA	YELLOW & YELLOW
MB	CRYSTAL & RED

PAVEMENT MARKING SCHEDULE	
SYMBOL	DESCRIPTION
	PAINT
PH	4" YELLOW SINGAL CENTER
P9	4" YELLOW 2' - 6' MINI-SKIP

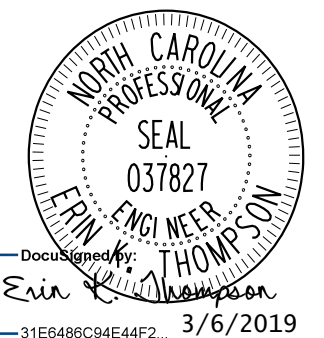
ROADWAY STANDARD DRAWING	
THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:	
STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

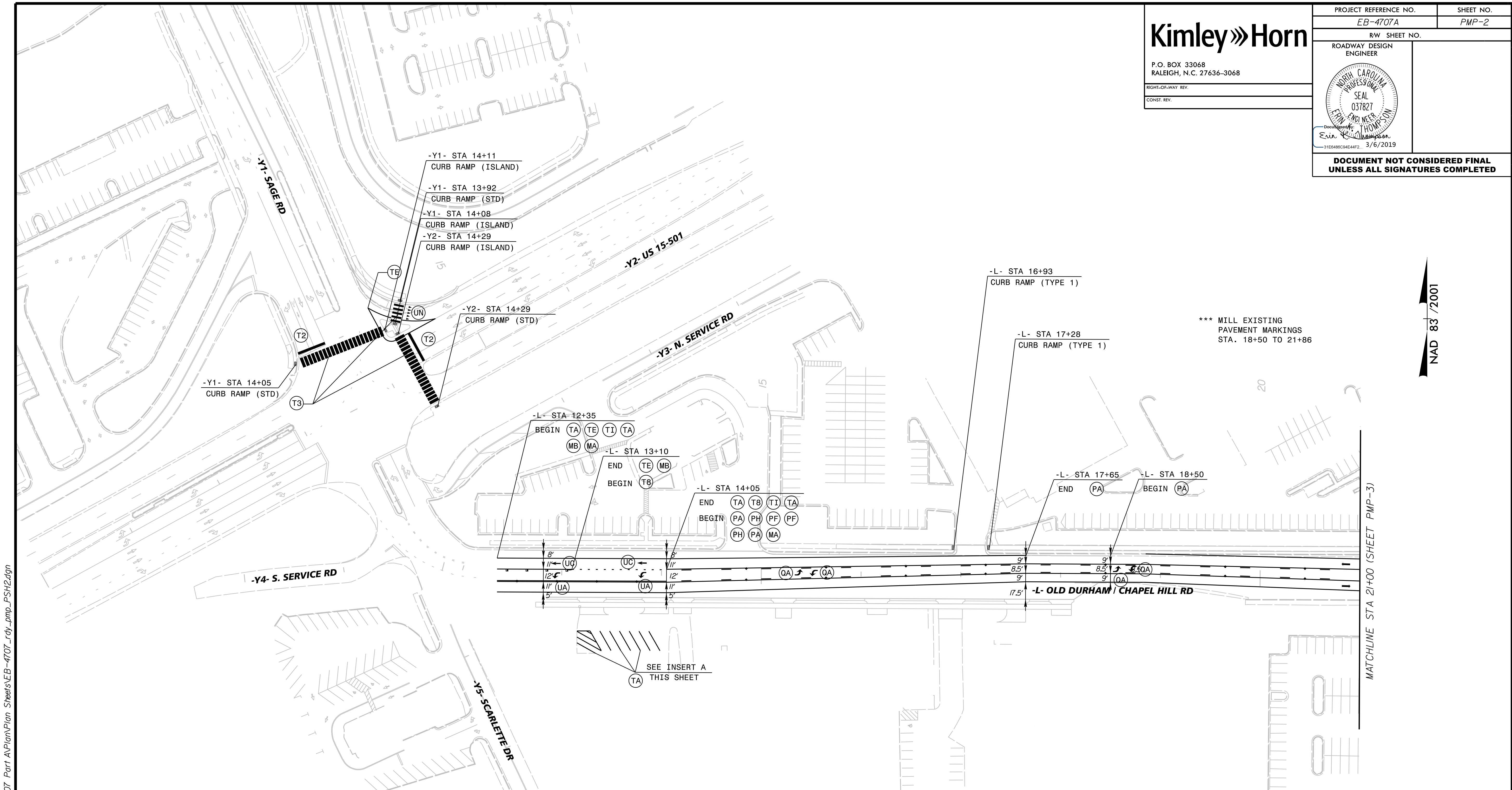
GENERAL NOTES		
THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.		
A) INSTALL PAVEMENT MARKINGS ON THE FINAL SURFACE AS FOLLOWS:		
<u>ROAD NAME</u>	<u>MARKING</u>	<u>MARKER</u>
-L-	THERMOPLASTIC	MA/MB
-Y1-	THERMOPLASTIC	MA/MB
-Y2-	THERMOPLASTIC	MA/MB
-Y3-	THERMOPLASTIC	MA/MB
-Y4-	THERMOPLASTIC	MA/MB
-Y5-	THERMOPLASTIC	MA/MB
-Y6-	THERMOPLASTIC	MA/MB
-Y7-	THERMOPLASTIC	MA/MB
-Y8-	THERMOPLASTIC	MA/MB
-Y9-	THERMOPLASTIC	MA/MB
-Y10-	THERMOPLASTIC	MA/MB
-Y11-	THERMOPLASTIC	MA/MB
B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.		
C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.		
D) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.		
E) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.		
F) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR ARROWS, STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.		
G) SEE ROADWAY PLANS FOR ALTERNATE CURB RAMP DESIGNS WHEN INDICATED ON PAVEMENT MARKING DETAIL SHEETS.		

PLAN REVIEWED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT	
RENEE B. ROACH, PE, CPM	SIGNING & DELINEATION REGIONAL ENGINEER
SAMUEL D. COLEMAN, EI	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: Kimley-Horn and Associates		Kimley»Horn
Erin Thompson P.E.	PROJECT DESIGN ENGINEER	
Rachel Abromaitis	DESIGNER	

PROJECT REFERENCE NO. EB-4707A	SHEET NO. PMP-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
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NAD 83 / 2001

*** MILL EXISTING PAVEMENT MARKINGS STA. 18+50 TO 21+86

MATCHLINE STA 21+00 (SHEET PMP-3)

THERMOPLASTIC PAVEMENT MARKING LINES

- | | |
|-----------------------------------|----------------------------------|
| TA - THERMOPLASTIC (4", 90 MILS) | WHITE EDGE LINE |
| TE - THERMOPLASTIC (4", 90 MILS) | WHITE SOLID LANE LINE |
| TF - THERMOPLASTIC (4", 90 MILS) | 10 FT. YELLOW SKIP |
| TH - THERMOPLASTIC (4", 90 MILS) | YELLOW SINGLE CENTER LINE |
| TI - THERMOPLASTIC (4", 90 MILS) | YELLOW DOUBLE CENTER LINE |
| TP - THERMOPLASTIC (8", 90 MILS) | YELLOW DIAGONAL |
| TQ - THERMOPLASTIC (8", 90 MILS) | WHITE CROSSWALK LINE |
| T2 - THERMOPLASTIC (24", 90 MILS) | WHITE STOP BAR |
| T3 - THERMOPLASTIC (24", 90 MILS) | WHITE CROSSWALK LINE |
| T8 - THERMOPLASTIC (4", 90 MILS) | 2 FT. - 6 FT. ISP WHITE MINISKIP |

PAVEMENT MARKING SYMBOLS

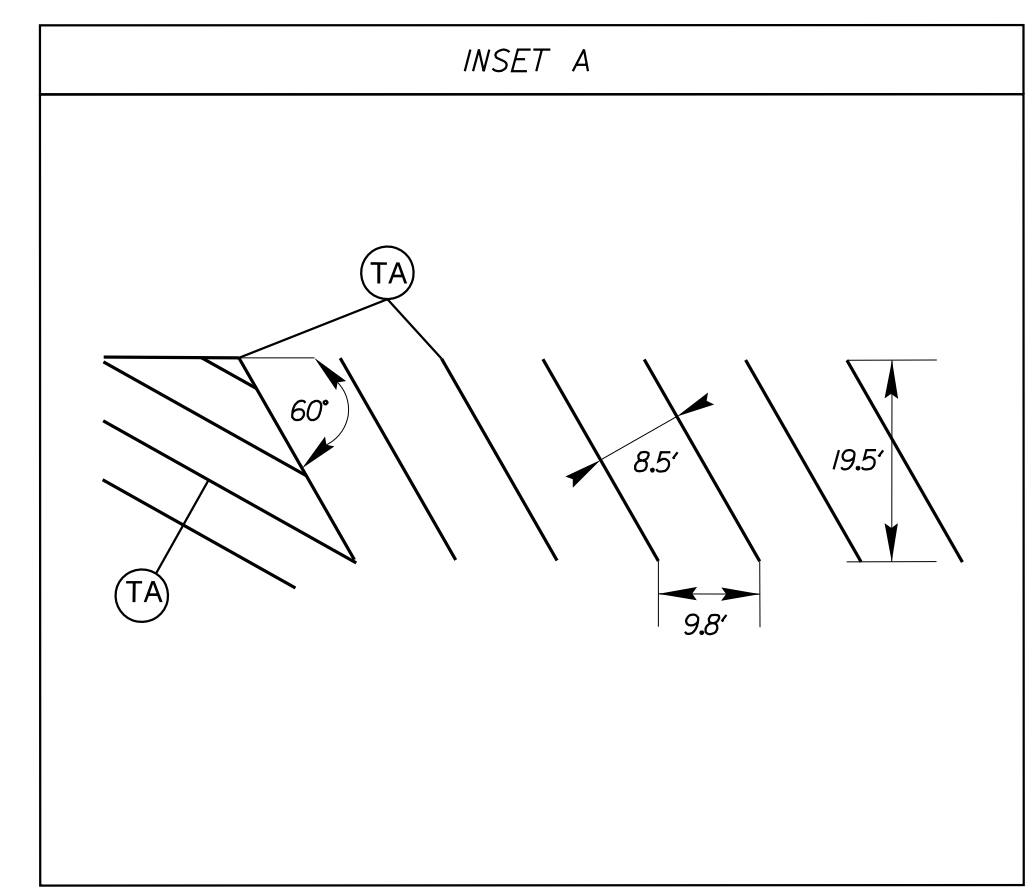
- | | |
|------------------------------|--|
| UA - THERMOPLASTIC (90 MILS) | LEFT TURN ARROW |
| UB - THERMOPLASTIC (90 MILS) | RIGHT TURN ARROW |
| UC - THERMOPLASTIC (90 MILS) | STRAIGHT ARROW |
| UD - THERMOPLASTIC (90 MILS) | COMBINATION LEFT TURN AND STRAIGHT ARROW |
| UJ - THERMOPLASTIC (90 MILS) | BICYCLE SYMBOL |
| UK - THERMOPLASTIC (90 MILS) | BICYCLE STRAIGHT ARROW |
| UN - THERMOPLASTIC (90 MILS) | 24" YIELD LINE TRIANGLE |

PAINT PAVEMENT MARKING LINES

- | | |
|-----------------|-----------------------------------|
| PH - PAINT (4") | YELLOW SINGLE CENTER LINE |
| P9 - PAINT (4") | 2 FT. - 6 FT. ISP YELLOW MINISKIP |
| QA - PAINT | LEFT TURN ARROW |
| PA - PAINT (4") | WHITE EDGLINE |
| PF - PAINT (4") | 10 FT. YELLOW SKIP |

PAVEMENT MARKER SYMBOLS

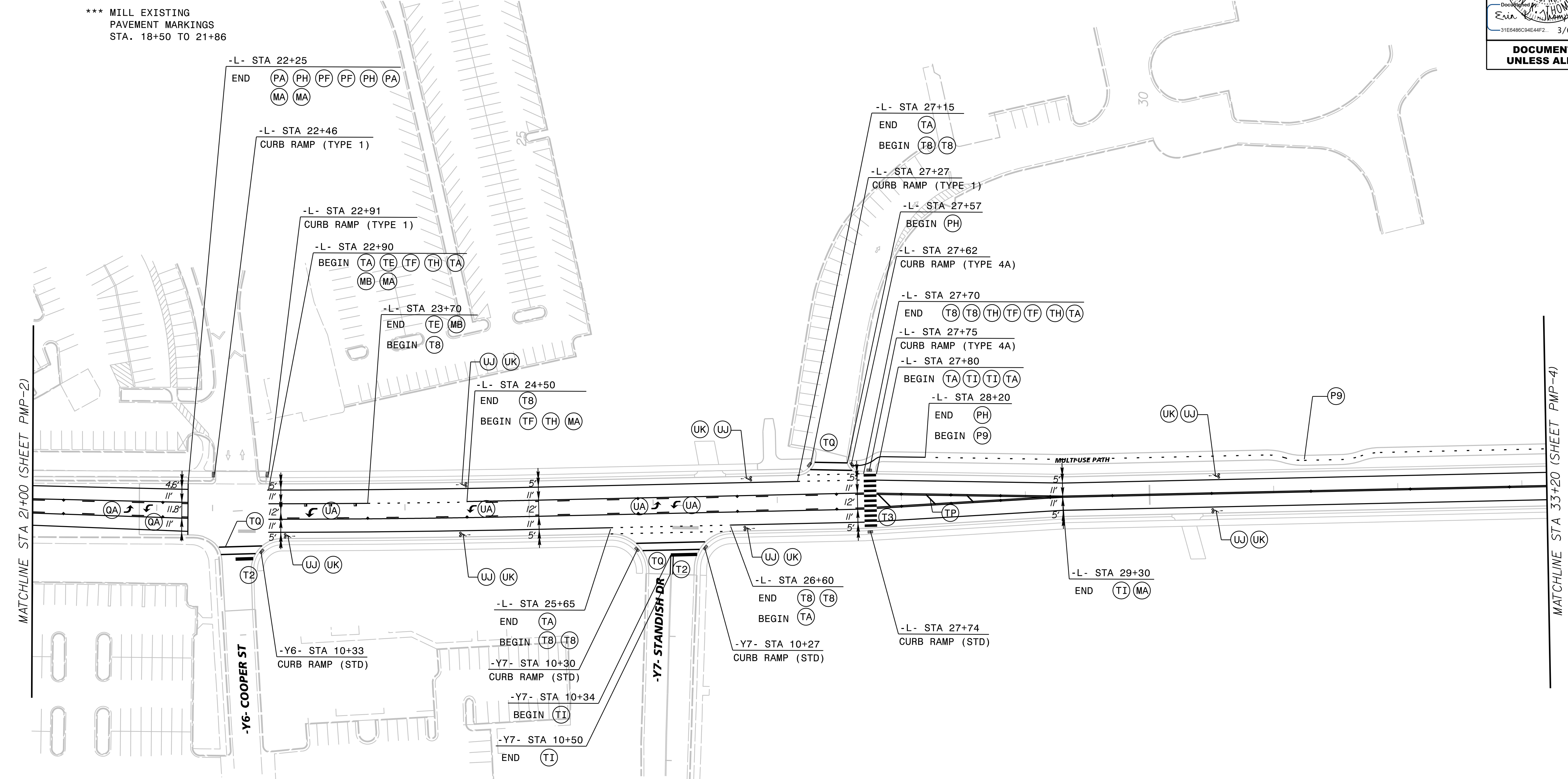
- | | |
|----------------------|----------------------------------|
| MA - YELLOW & YELLOW | PERMANENT RAISED PAVEMENT MARKER |
| MB - CRYSTAL & RED | PERMANENT RAISED PAVEMENT MARKER |



PAVEMENT MARKER LEGEND	
	CRYSTAL / RED PAVEMENT MARKER
	YELLOW / YELLOW PAVEMENT MARKER
	DIRECTION OF TRAFFIC FLOW

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PROJECT REFERENCE NO. EB-4707A	SHEET NO. PMP-3
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
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*** MILL EXISTING
PAVEMENT MARKINGS
STA. 18+50 TO 21+86

NAD 83 / 2001

MATCHLINE STA 21+00 (SHEET PMP-2)

MATCHLINE STA 33+20 (SHEET PMP-4)

THERMOPLASTIC PAVEMENT MARKING LINES

- | | |
|-----------------------------------|---------------------------------|
| TA - THERMOPLASTIC (4", 90 MILS) | WHITE EDGE LINE |
| TE - THERMOPLASTIC (4", 90 MILS) | WHITE SOLID LANE LINE |
| TF - THERMOPLASTIC (4", 90 MILS) | 10 FT. YELLOW SKIP |
| TH - THERMOPLASTIC (4", 90 MILS) | YELLOW SINGLE CENTER LINE |
| TI - THERMOPLASTIC (4", 90 MILS) | YELLOW DOUBLE CENTER LINE |
| TP - THERMOPLASTIC (8", 90 MILS) | YELLOW DIAGONAL |
| TQ - THERMOPLASTIC (8", 90 MILS) | WHITE CROSSWALK LINE |
| T2 - THERMOPLASTIC (24", 90 MILS) | WHITE STOP BAR |
| T3 - THERMOPLASTIC (24", 90 MILS) | WHITE CROSSWALK LINE |
| T8 - THERMOPLASTIC (4", 90 MILS) | 2 FT. - 6 FT./SP WHITE MINISKIP |

PAVEMENT MARKING SYMBOLS

- UA - THERMOPLASTIC (90 MILS) LEFT TURN ARROW
 UB - THERMOPLASTIC (90 MILS) RIGHT TURN ARROW
 UC - THERMOPLASTIC (90 MILS) STRAIGHT ARROW
 UD - THERMOPLASTIC (90 MILS) COMBINATION LEFT TURN AND STRAIGHT ARROW
 UJ - THERMOPLASTIC (90 MILS) BICYCLE SYMBOL
 UK - THERMOPLASTIC (90 MILS) BICYCLE STRAIGHT ARROW
 UN - THERMOPLASTIC (90 MILS) 24" YIELD LINE TRIANGLE

PAINT PAVEMENT MARKING LINES

- | | |
|-----------------|----------------------------------|
| PH - PAINT (4") | YELLOW SINGLE CENTER LINE |
| P9 - PAINT (4") | 2 FT. - 6 FT./SP YELLOW MINISKIP |
| QA - PAINT | LEFT TURN ARROW |
| PA - PAINT (4") | WHITE EDGELINE |
| PF - PAINT (4") | 10 FT. YELLOW SKIP |


PAVEMENT MARKER SYMBOLS

- | | |
|----------------------|----------------------------------|
| MA - YELLOW & YELLOW | PERMANENT RAISED PAVEMENT MARKER |
| MB - CRYSTAL & RED | PERMANENT RAISED PAVEMENT MARKER |

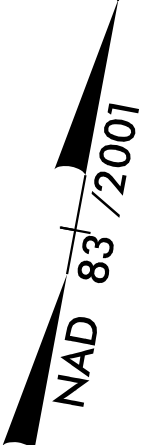
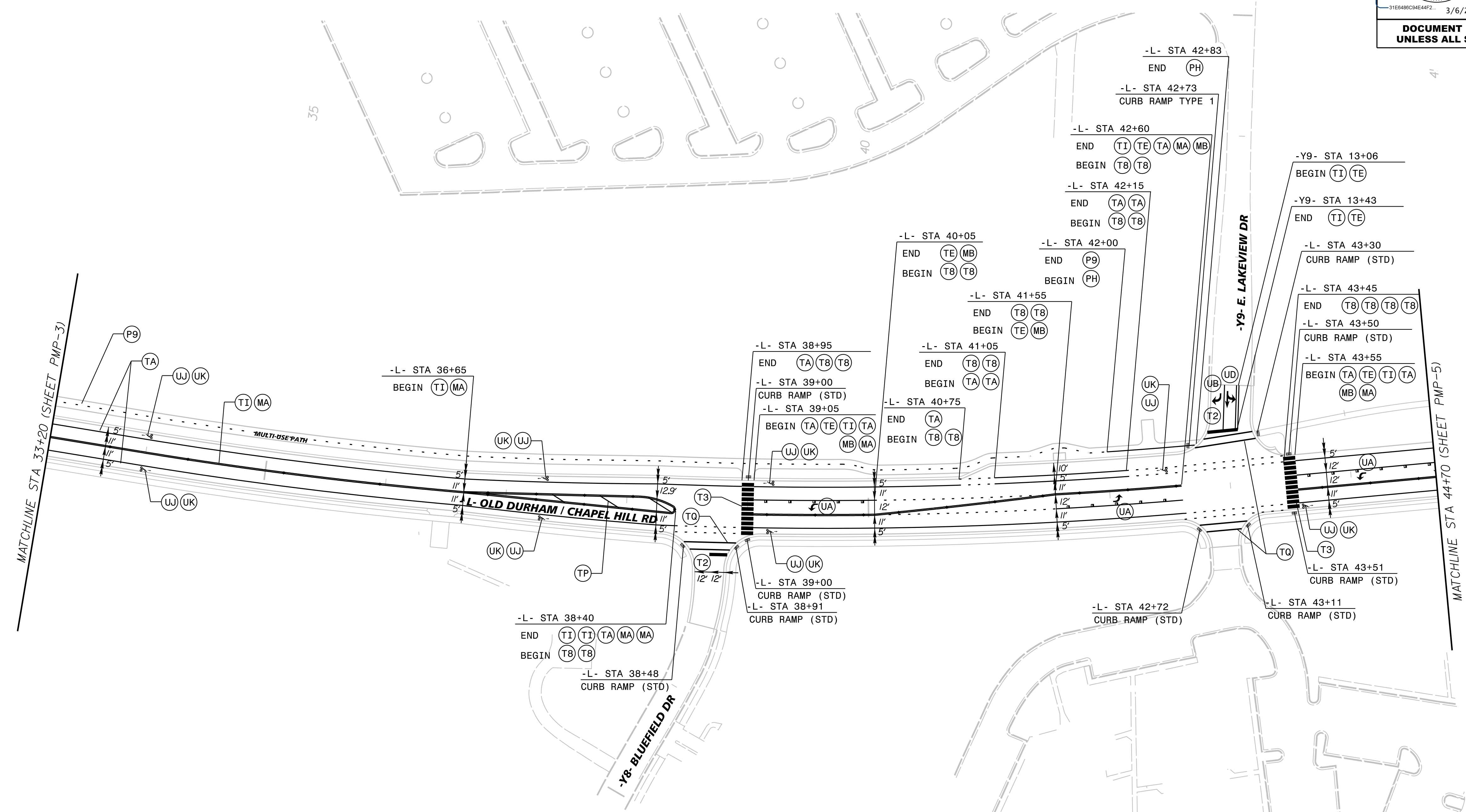
PAVEMENT MARKER LEGEND	
	CRYSTAL / RED PAVEMENT MARKER
	YELLOW / YELLOW PAVEMENT MARKER
	DIRECTION OF TRAFFIC FLOW

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PROJECT REFERENCE NO. <i>EB-4707A</i>	SHEET NO. <i>PMP-4</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
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THERMOPLASTIC PAVEMENT MARKING LINES

TA - THERMOPLASTIC (4", 90 MILS)	WHITE EDGE LINE
TE - THERMOPLASTIC (4", 90 MILS)	WHITE SOLID LANE LINE
TF - THERMOPLASTIC (4", 90 MILS)	10 FT. YELLOW SKIP
TH - THERMOPLASTIC (4", 90 MILS)	YELLOW SINGLE CENTER LINE
TI - THERMOPLASTIC (4", 90 MILS)	YELLOW DOUBLE CENTER LINE
TP - THERMOPLASTIC (8", 90 MILS)	YELLOW DIAGONAL
TQ - THERMOPLASTIC (8", 90 MILS)	WHITE CROSSWALK LINE
T2 - THERMOPLASTIC (24", 90 MILS)	WHITE STOP BAR
T3 - THERMOPLASTIC (24", 90 MILS)	WHITE CROSSWALK LINE
T8 - THERMOPLASTIC (4", 90 MILS)	2 FT. - 6 FT. / SP WHITE MINISKIP

PAVEMENT MARKING SYMBOLS

UA - THERMOPLASTIC (90 MILS) LEFT TURN ARROW
UB - THERMOPLASTIC (90 MILS) RIGHT TURN ARROW
UC - THERMOPLASTIC (90 MILS) STRAIGHT ARROW
UD - THERMOPLASTIC (90 MILS) COMBINATION LEFT TURN AND STRAIGHT ARROW
UJ - THERMOPLASTIC (90 MILS) BICYCLE SYMBOL
UK - THERMOPLASTIC (90 MILS) BICYCLE STRAIGHT ARROW
UN - THERMOPLASTIC (90 MILS) 24" YIELD LINE TRIANGLE

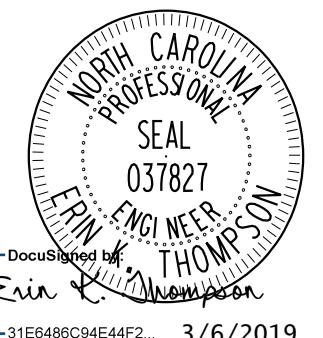
PAINT PAVEMENT MARKING LINES

PH - PAINT (4")	YELLOW SINGLE CENTER LINE
P9 - PAINT (4")	2 FT. - 6 FT. / SP YELLOW MINISKIP
QA - PAINT	LEFT TURN ARROW
PA - PAINT (4")	WHITE EDGELINE
PF - PAINT (4")	10 FT. YELLOW SKIP

PAVEMENT MARKER SYMBOLS

MA - YELLOW & YELLOW	PERMANENT RAISED PAVEMENT MARKER
MB - CRYSTAL & RED	PERMANENT RAISED PAVEMENT MARKER

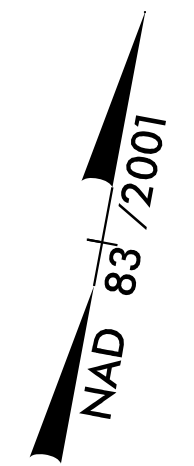
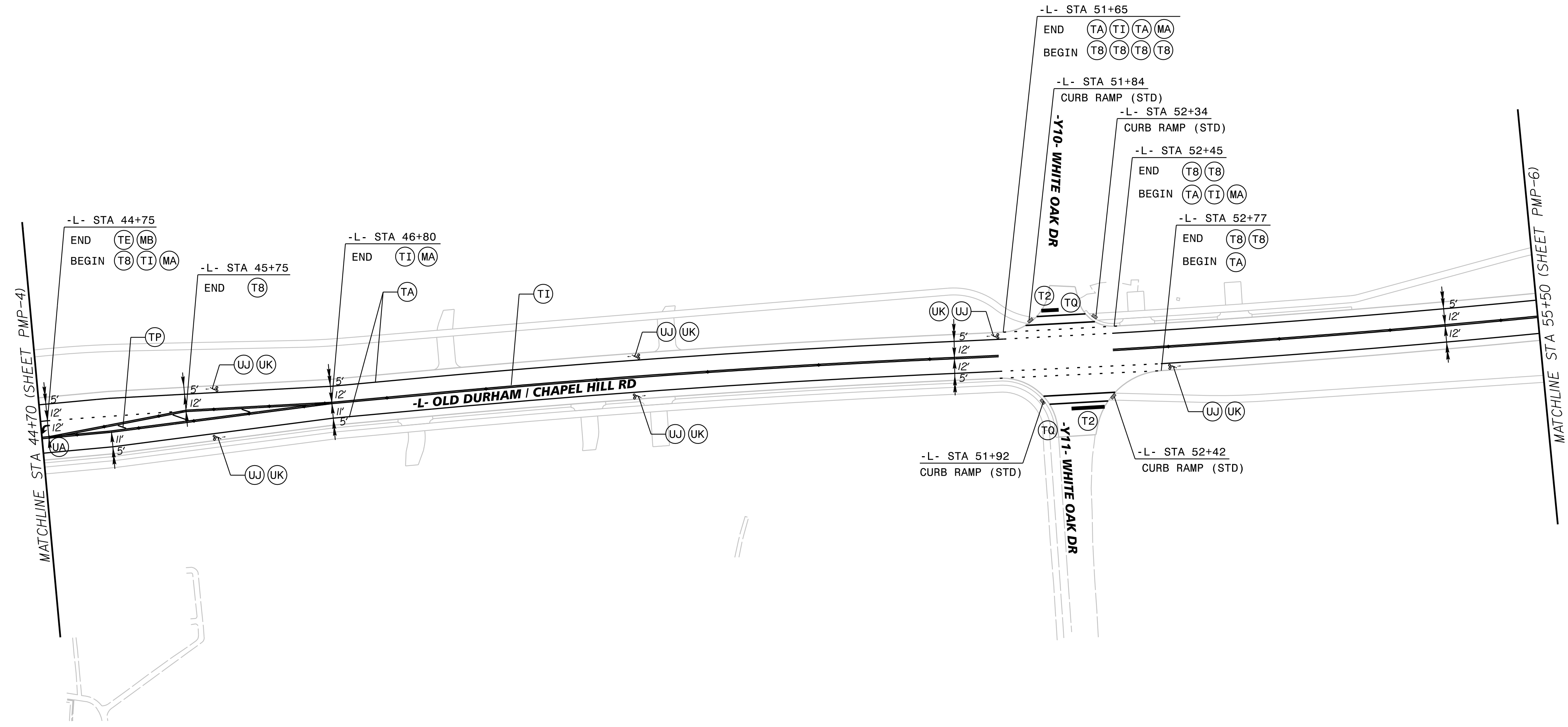
PAVEMENT MARKER LEGEND	
	CRYSTAL / RED PAVEMENT MARKER
	YELLOW / YELLOW PAVEMENT MARKER
	DIRECTION OF TRAFFIC FLOW

PROJECT REFERENCE NO. EB-4707A	SHEET NO. PMP-5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
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THERMOPLASTIC PAVEMENT MARKING LINES

TA - THERMOPLASTIC (4", 90 MILS)	WHITE EDGE LINE
TE - THERMOPLASTIC (4", 90 MILS)	WHITE SOLID LANE LINE
TF - THERMOPLASTIC (4", 90 MILS)	10 FT. YELLOW SKIP
TH - THERMOPLASTIC (4", 90 MILS)	YELLOW SINGLE CENTER LINE
TI - THERMOPLASTIC (4", 90 MILS)	YELLOW DOUBLE CENTER LINE
TP - THERMOPLASTIC (8", 90 MILS)	YELLOW DIAGONAL
TQ - THERMOPLASTIC (8", 90 MILS)	WHITE CROSSWALK LINE
T2 - THERMOPLASTIC (24", 90 MILS)	WHITE STOP BAR
T3 - THERMOPLASTIC (24", 90 MILS)	WHITE CROSSWALK LINE
T8 - THERMOPLASTIC (4", 90 MILS)	2 FT. - 6 FT./SP WHITE MINISKIP

PAVEMENT MARKING SYMBOLS

UA - THERMOPLASTIC (90 MILS) LEFT TURN ARROW
UB - THERMOPLASTIC (90 MILS) RIGHT TURN ARROW
UC - THERMOPLASTIC (90 MILS) STRAIGHT ARROW
UD - THERMOPLASTIC (90 MILS) COMBINATION LEFT TURN AND STRAIGHT ARROW
UJ - THERMOPLASTIC (90 MILS) BICYCLE SYMBOL
UK - THERMOPLASTIC (90 MILS) BICYCLE STRAIGHT ARROW
UN - THERMOPLASTIC (90 MILS) 24" YIELD LINE TRIANGLE




PAINT PAVEMENT MARKING LINES

PH - PAINT (4")	YELLOW SINGLE CENTER LINE
P9 - PAINT (4")	2 FT. - 6 FT./SP YELLOW MINISKIP
QA - PAINT	LEFT TURN ARROW
PA - PAINT (4")	WHITE EDGELINE
PF - PAINT (4")	10 FT. YELLOW SKIP

PAVEMENT MARKER SYMBOLS

MA - YELLOW & YELLOW	PERMANENT RAISED PAVEMENT MARKER
MB - CRYSTAL & RED	PERMANENT RAISED PAVEMENT MARKER

PAVEMENT MARKER LEGEND

	CRYSTAL / RED PAVEMENT MARKER
	YELLOW / YELLOW PAVEMENT MARKER
	DIRECTION OF TRAFFIC FLOW

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3/6/2019

Kimley»Horn

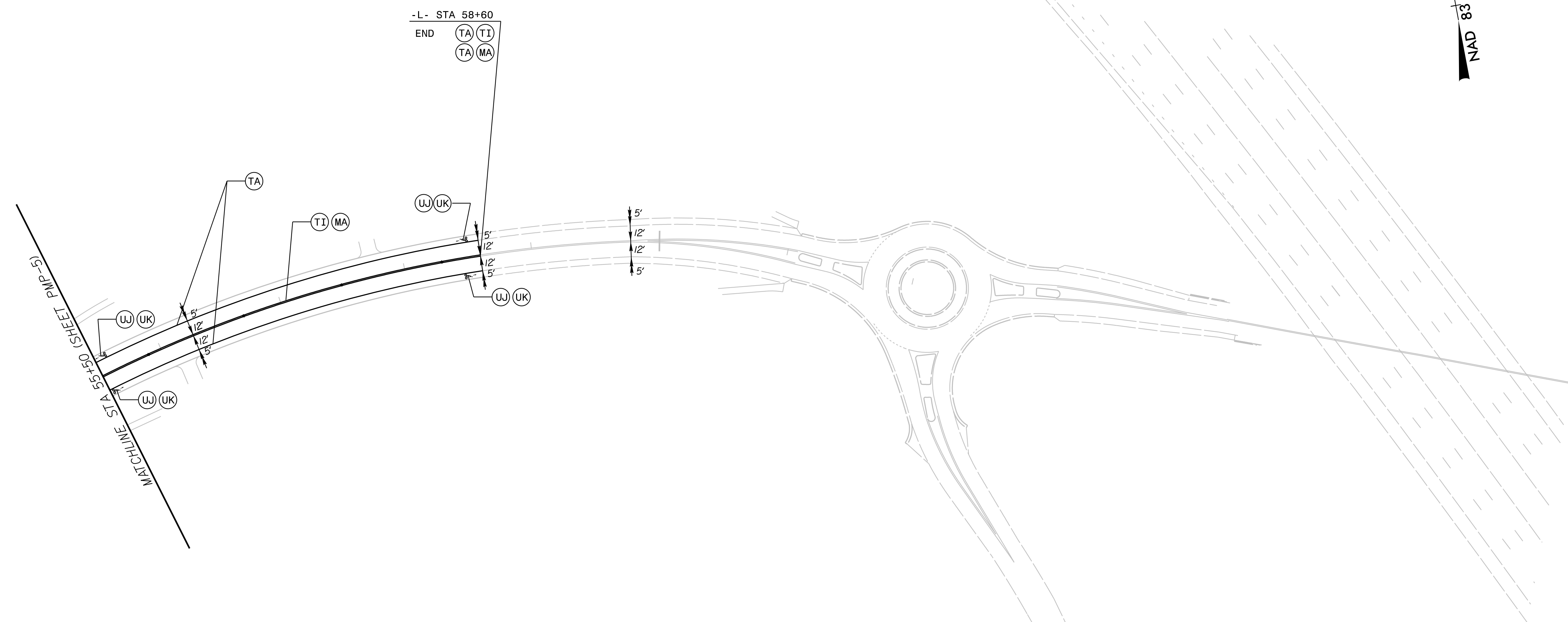
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO. <i>EB-4707A</i>	SHEET NO. <i>PMP-6</i>
R/W SHEET NO.	
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THERMOPLASTIC PAVEMENT MARKING LINES

TA - THERMOPLASTIC (4", 90 MILS)	WHITE EDGE LINE
TE - THERMOPLASTIC (4", 90 MILS)	WHITE SOLID LANE LINE
TF - THERMOPLASTIC (4", 90 MILS)	10 FT. YELLOW SKIP
TH - THERMOPLASTIC (4", 90 MILS)	YELLOW SINGLE CENTER LINE
TI - THERMOPLASTIC (4", 90 MILS)	YELLOW DOUBLE CENTER LINE
TP - THERMOPLASTIC (8", 90 MILS)	YELLOW DIAGONAL
TQ - THERMOPLASTIC (8", 90 MILS)	WHITE CROSSWALK LINE
T2 - THERMOPLASTIC (24", 90 MILS)	WHITE STOP BAR
T3 - THERMOPLASTIC (24", 90 MILS)	WHITE CROSSWALK LINE
T8 - THERMOPLASTIC (4", 90 MILS)	2 FT. - 6 FT./SP WHITE MINISKIP

PAVEMENT MARKING SYMBOLS

UA - THERMOPLASTIC (90 MILS) LEFT TURN ARROW
UB - THERMOPLASTIC (90 MILS) RIGHT TURN ARROW
UC - THERMOPLASTIC (90 MILS) STRAIGHT ARROW
UD - THERMOPLASTIC (90 MILS) COMBINATION LEFT TURN AND STRAIGHT ARROW
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UN - THERMOPLASTIC (90 MILS) 24" YIELD LINE TRIANGLE

PAINT PAVEMENT MARKING LINES

PH - PAINT (4")	YELLOW SINGLE CENTER LINE
P9 - PAINT (4")	2 FT. - 6 FT./SP YELLOW MINISKIP
QA - PAINT	LEFT TURN ARROW
PA - PAINT (4")	WHITE EDGELINE
PF - PAINT (4")	10 FT. YELLOW SKIP

PAVEMENT MARKER SYMBOLS

MA - YELLOW & YELLOW	PERMANENT RAISED PAVEMENT MARKER
MB - CRYSTAL & RED	PERMANENT RAISED PAVEMENT MARKER

PAVEMENT MARKER LEGEND

	CRYSTAL / RED PAVEMENT MARKER
	YELLOW / YELLOW PAVEMENT MARKER
	DIRECTION OF TRAFFIC FLOW