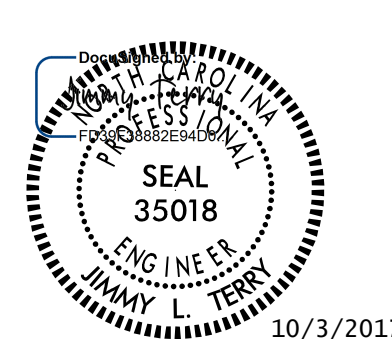


TIP NO. U-5510	SHEET NO. PMP-1
APPROVED: _____	
DATE: _____	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
CATAWBA**

**LOCATION: SR 1468 (SWEETWATER RD) EXTENSION FROM
US 70 TO SR 1005 (STARTOWN RD)**

T.I.P.: U-5510

CONTRACT: DL00160

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:

<u>STD. NO.</u>	<u>TITLE</u>
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
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY

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
SWEETWATER RD EXT	THERMOPLASTIC	PERMANENT RAISED
STARTOWN RD	THERMOPLASTIC	PERMANENT RAISED
-Y2-	THERMOPLASTIC	PERMANENT RAISED

- 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 STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.
 G) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF COLD APPLIED PLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS ON ASPHALT OR CONCRETE ROADWAYS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE COLD APPLIED PAY ITEM.

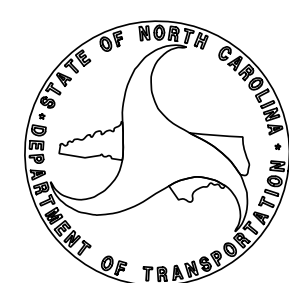
INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-2	CROSSWALK PAVEMENT MARKING GUIDANCE DETAIL
PMP-3 AND PMP-4	PAVEMENT MARKING DETAIL
PMP-5	PAVEMENT MARKING DETAIL AND FINAL PAVEMENT MARKING SCHEDULE

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

SIGNING & DELINEATION REGIONAL ENGINEER

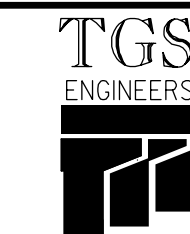
SIGNING & DELINEATION PROJECT DESIGN ENGINEER/TECHNICIAN



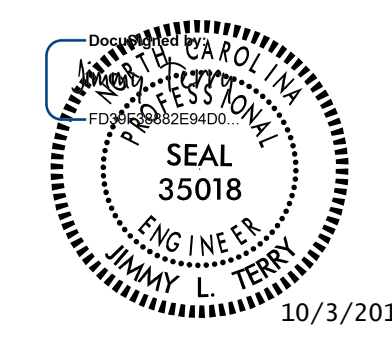
PLAN PREPARED BY: TGS ENGINEERS

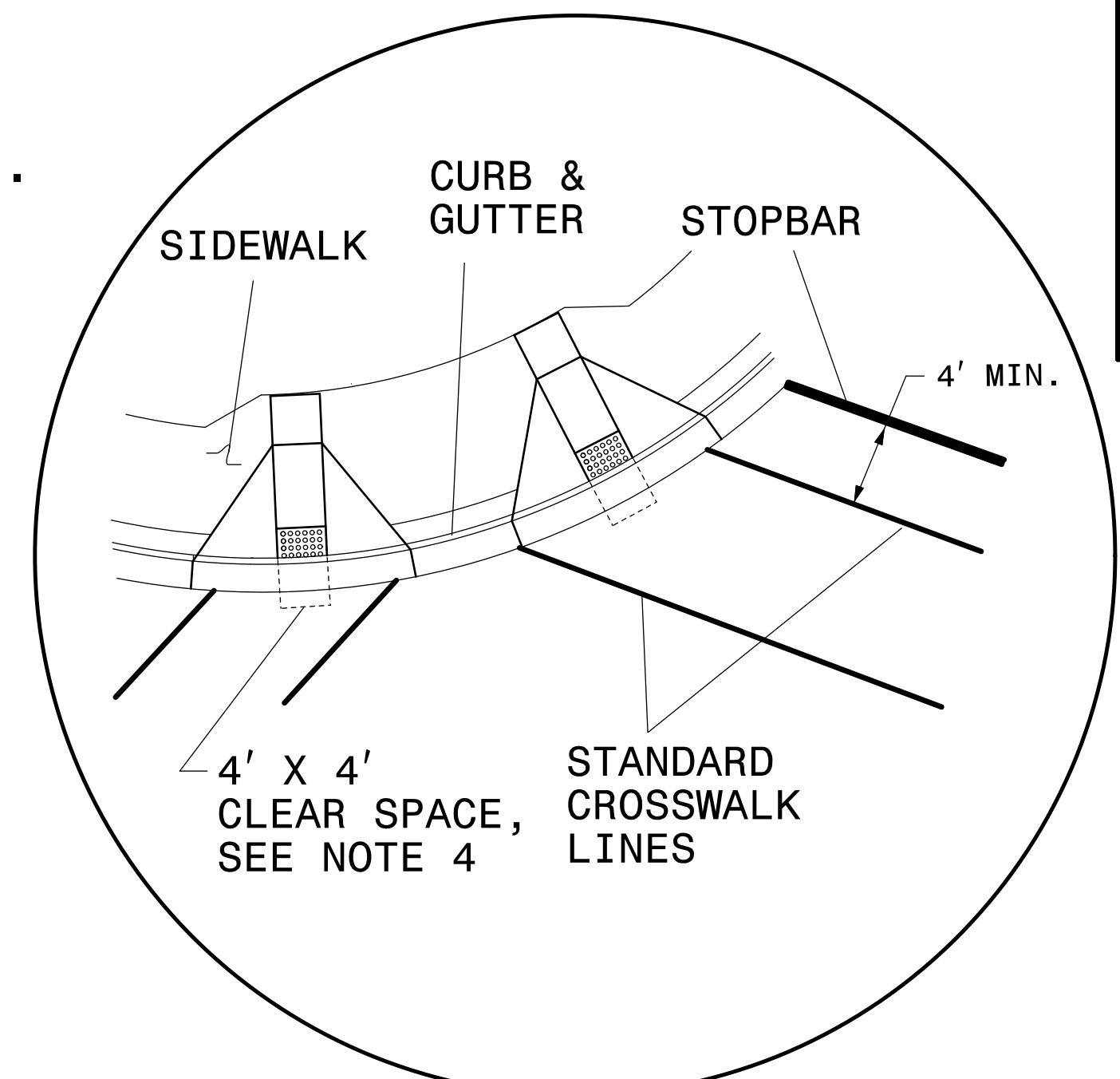
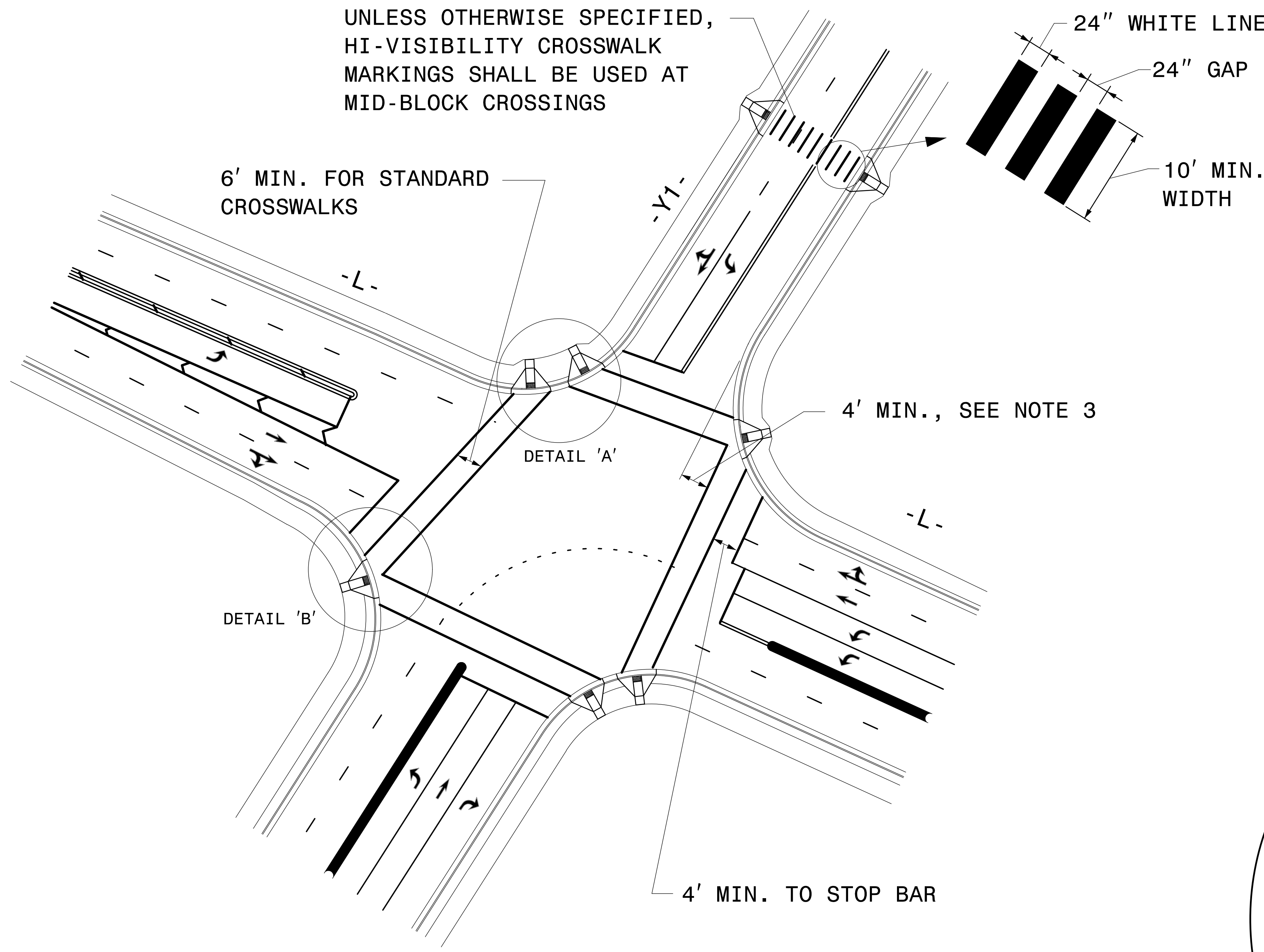
JIMMY TERRY, PE PROJECT ENGINEER

SANDRA G. MELVIN DESIGN TECHNICIAN

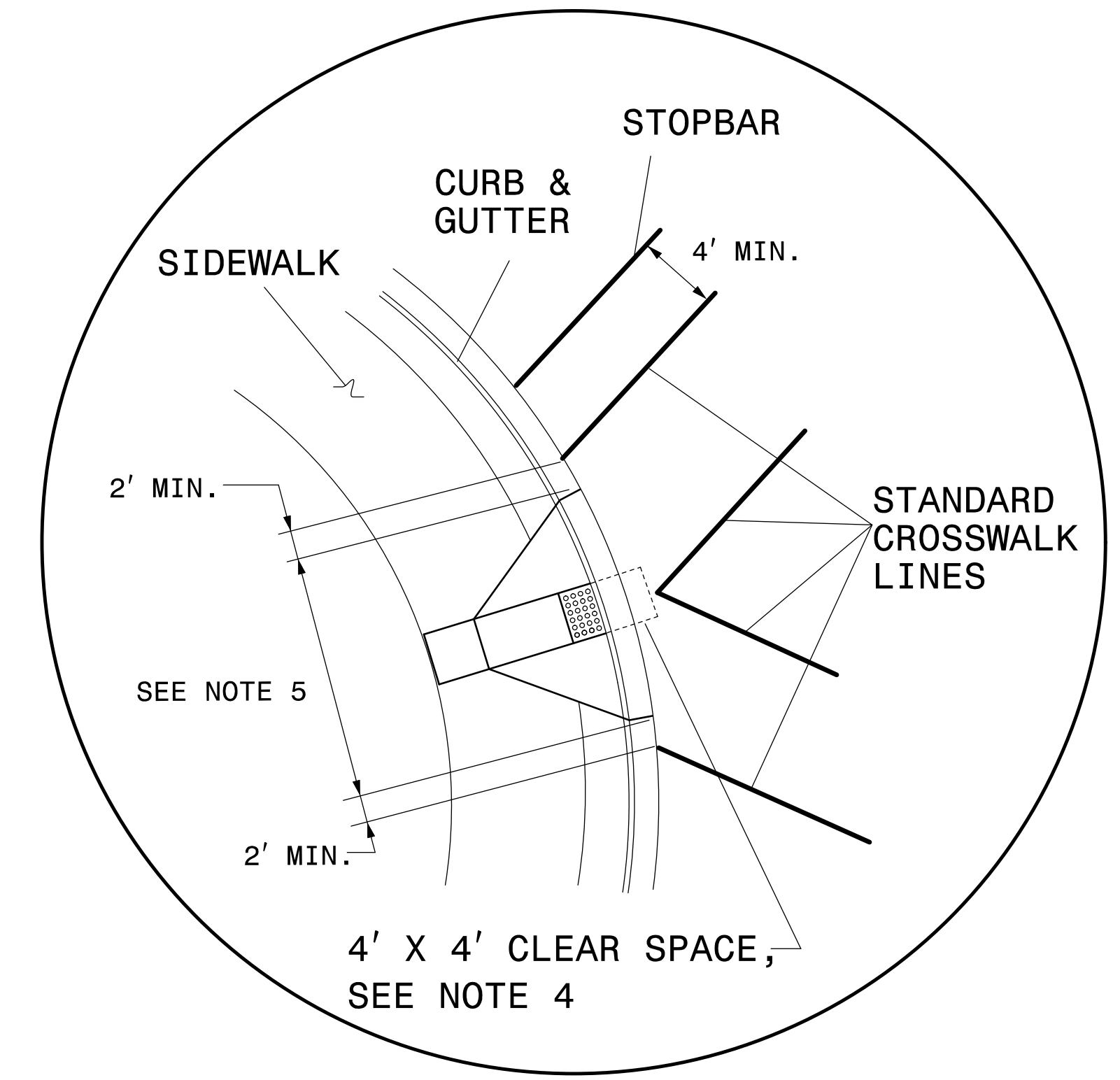


TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

TIP NO. U-5510	SHEET NO. PMP-2
APPROVED: _____	
DATE: _____	
SEAL  10/3/2017	
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REVISIONS	



DETAIL 'A'- DUAL CURB RAMPS



DETAIL 'B'- SINGLE DIAGONAL CURB RAMP

GUIDANCE DETAIL FOR CROSSWALK MARKINGS


NOTES:

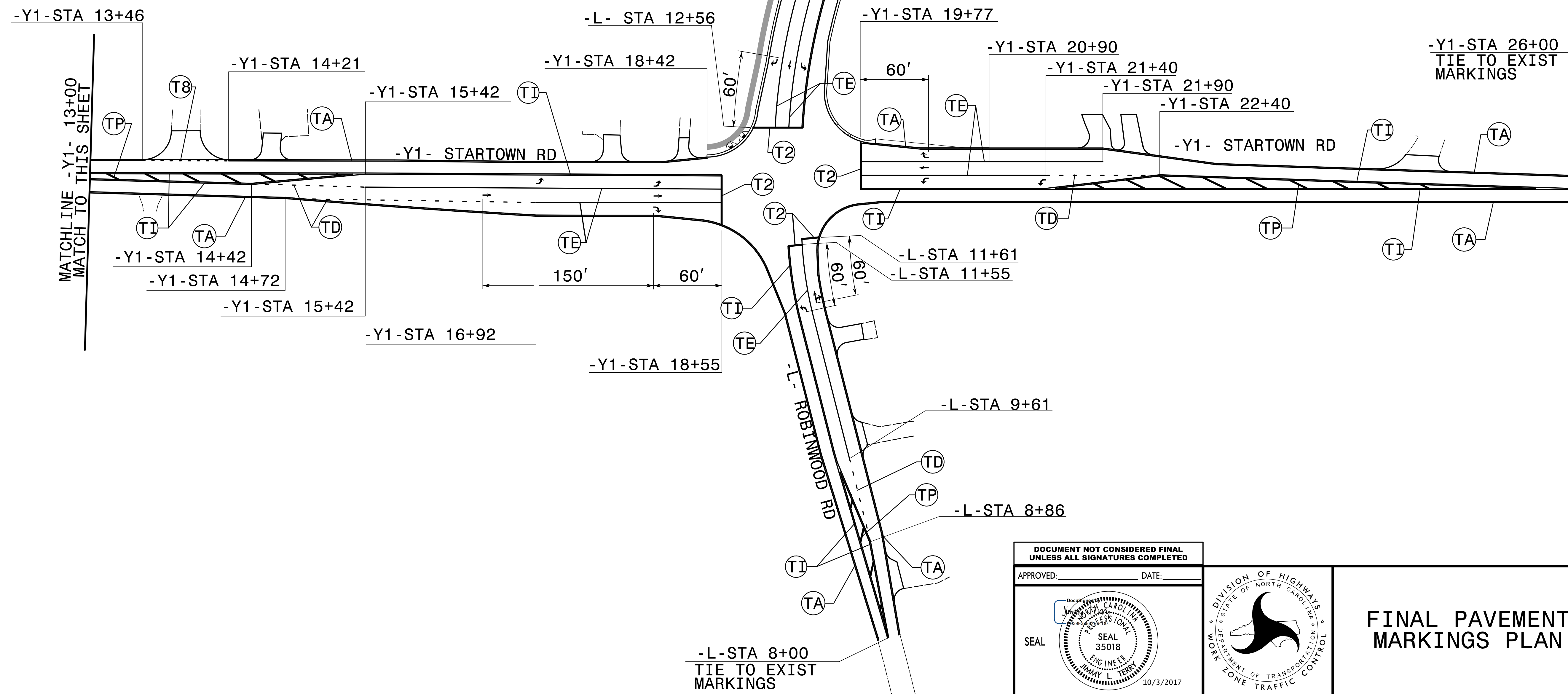
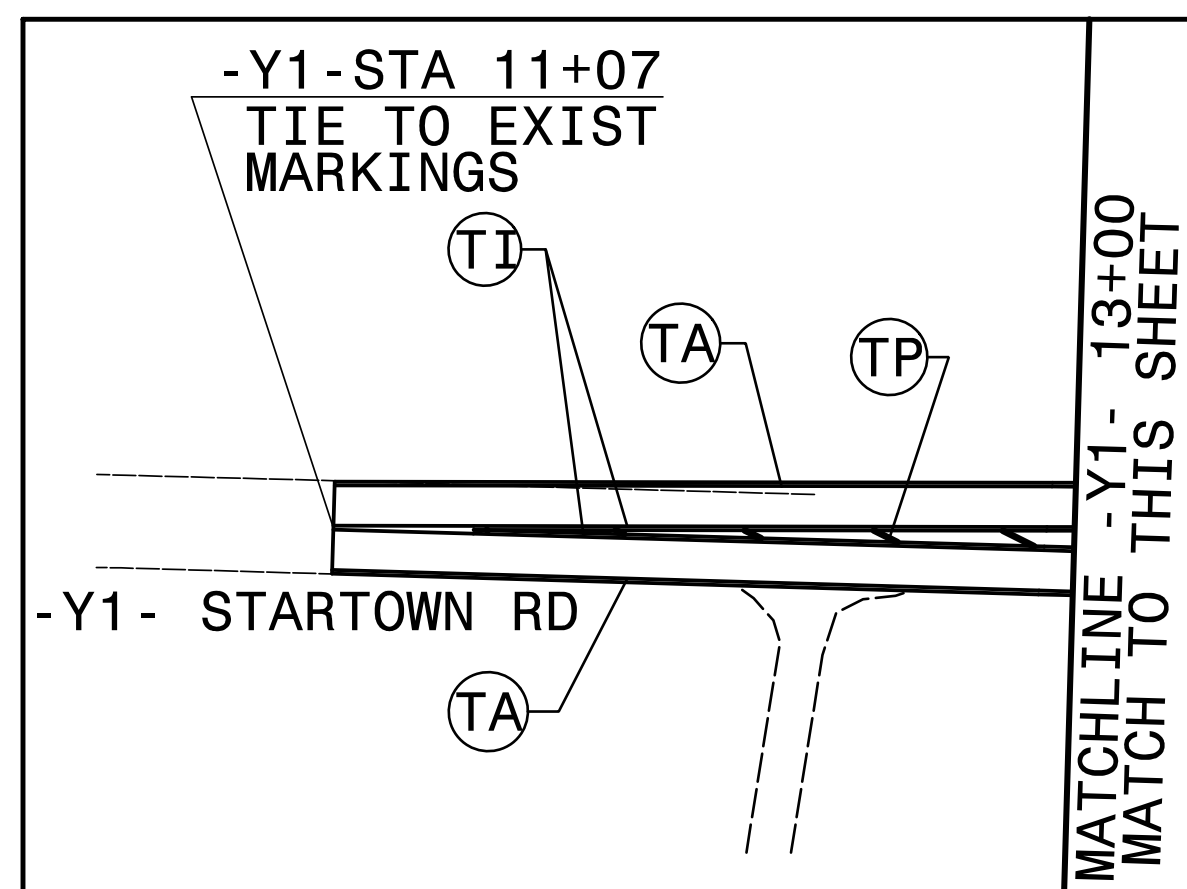
1. USE THE DETAILS ABOVE AND THE FOLLOWING NOTES FOR GUIDANCE IN PLACING CROSSWALK MARKINGS NOT STATIONED ON THE DETAIL SHEETS OR WHEN FIELD ADJUSTMENTS REQUIRED MOVING STATIONED MARKINGS AS DIRECTED BY THE ENGINEER. REFER TO NCDOT ROADWAY STANDARD DRAWINGS, MUTCD AND ADA STANDARDS FOR ADDITIONAL GUIDANCE.
2. THE CROSSWALK MARKINGS SHOWN ON THE ABOVE DETAILS ARE FOR REFERENCE ONLY. ONLY INSTALL CROSSWALK MARKINGS WHERE SHOWN ON THE DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER. THE CROSSWALK MARKING TYPE, STANDARD OR HI-VISIBILITY, SHALL BE INSTALL AS SPECIFIED ON THE DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER.
3. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.
4. BEYOND THE BOTTOM GRADE BRAKE, A CLEAR SPACE OF 4' X 4' MINIMUM SHALL BE PROVIDED WITHIN THE MARKINGS.
5. 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'.
6. CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCDOT ROADWAY STANDARD DRAWINGS.

**CROSSWALK PAVEMENT MARKING
GUIDANCE DETAIL**

10/2/2017
 X:\NCDOT\U-5510\TrafficControl\TrafficControl\U-5510_PMP_02\Crosswalk Guidance Detail.dgn
 User:smelvin

FOR FINAL PAVEMENT SCHEDULE SEE SHEET PMP-5

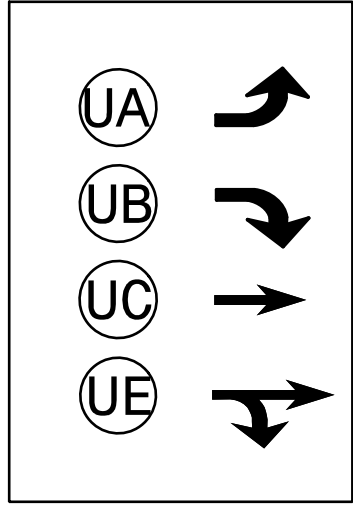
PROJ. REFERENCE NO.	SHEET NO.
U-5510	PMP-3
 TGS ENGINEERS 804-C N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO. C-0275	



LOCATIONS OF CURB RAMPS:
 -Y1- STA 18+75+/- LT
 -L- STA 12+38+/- LT

LOCATIONS OF CURB CUTS:
 -Y1- STA 19+58+/- LT
 -L- STA 12+52+/- LT

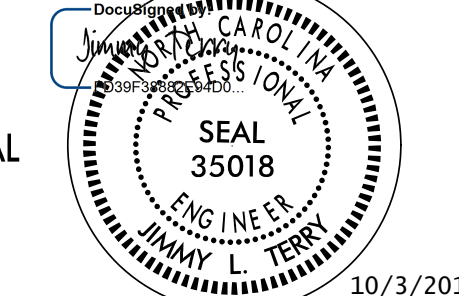
* LOCATIONS OF STOPBARS, CURB RAMPS AND CURB CUTS ARE TO BE VERIFIED BY NCDOT SIGNALS



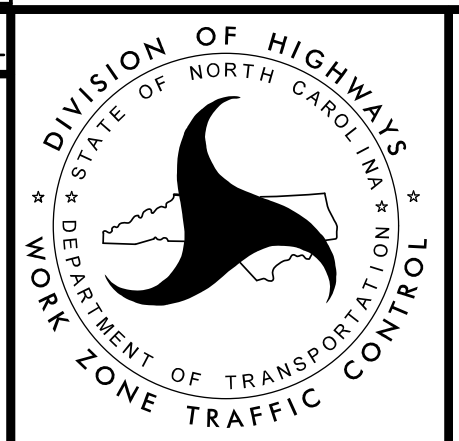
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APPROVED: _____ DATE: _____

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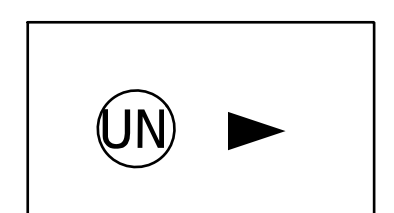


10/3/2017



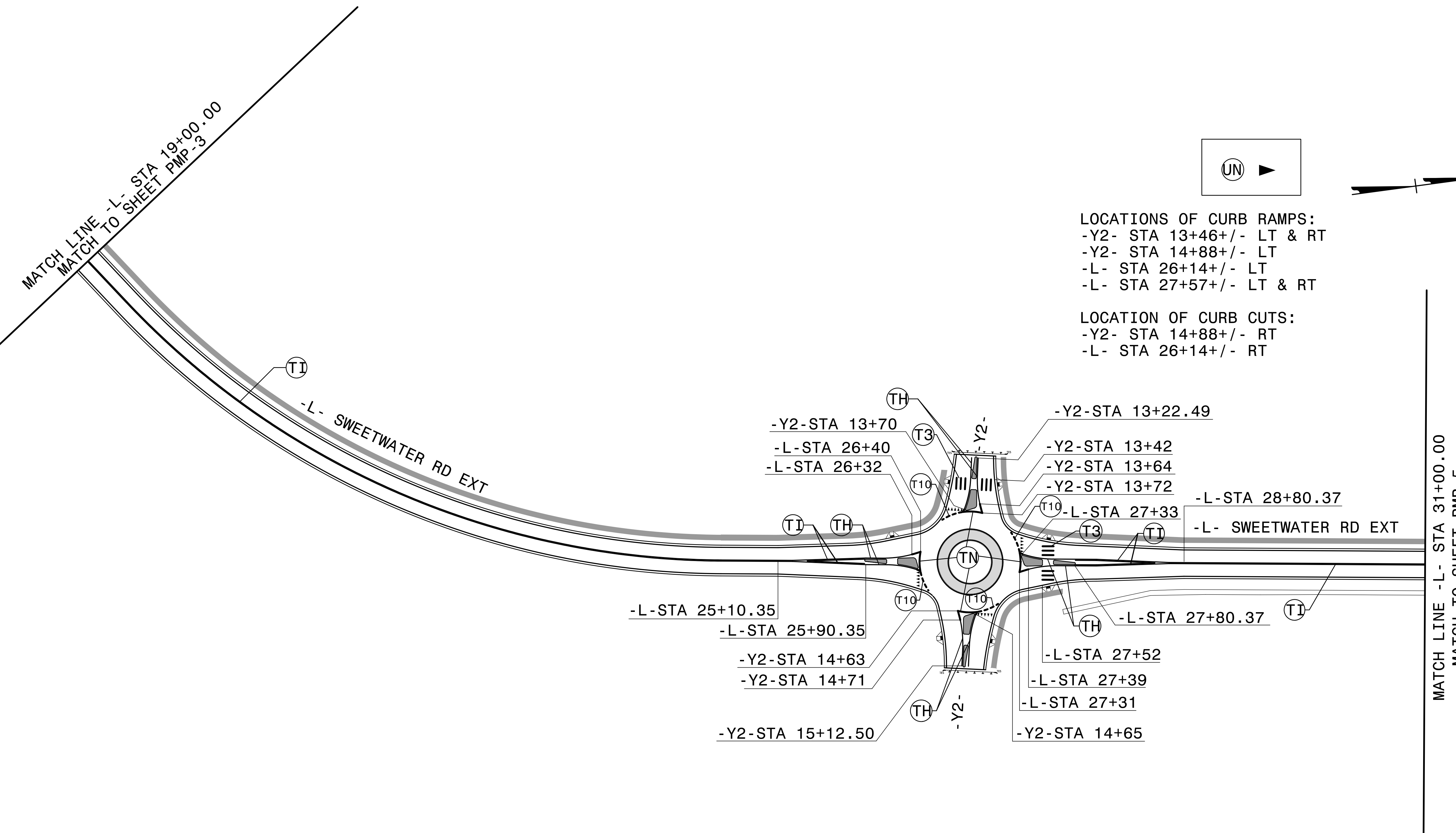
FINAL PAVEMENT MARKINGS PLAN

MATCH LINE -L- STA 19+00.00
 MATCH TO SHEET PMP-3



LOCATIONS OF CURB RAMPS:
 -Y2- STA 13+46+/- LT & RT
 -Y2- STA 14+88+/- LT
 -L- STA 26+14+/- LT
 -L- STA 27+57+/- LT & RT

LOCATION OF CURB CUTS:
 -Y2- STA 14+88+/- RT
 -L- STA 26+14+/- RT

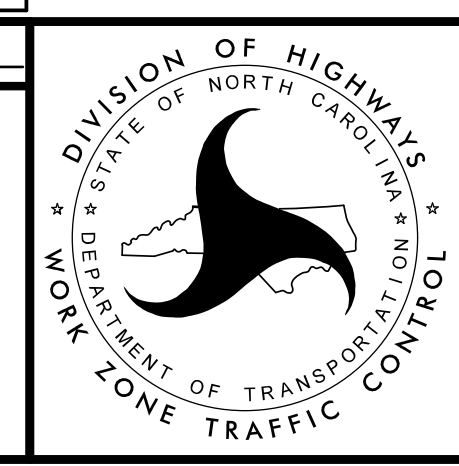
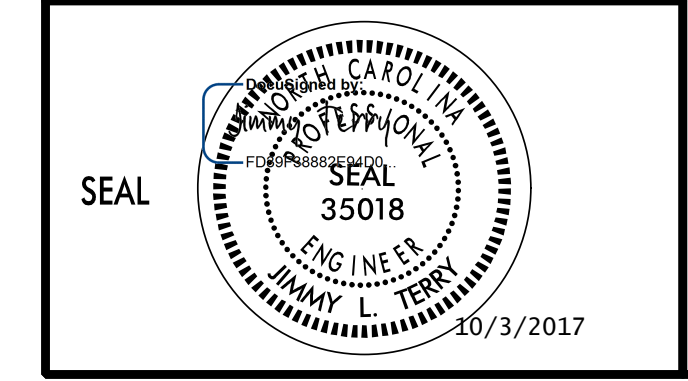


MATCH LINE -L- STA 31+00.00
 MATCH TO SHEET PMP-5

FOR FINAL PAVEMENT SCHEDULE SEE SHEET PMP-5

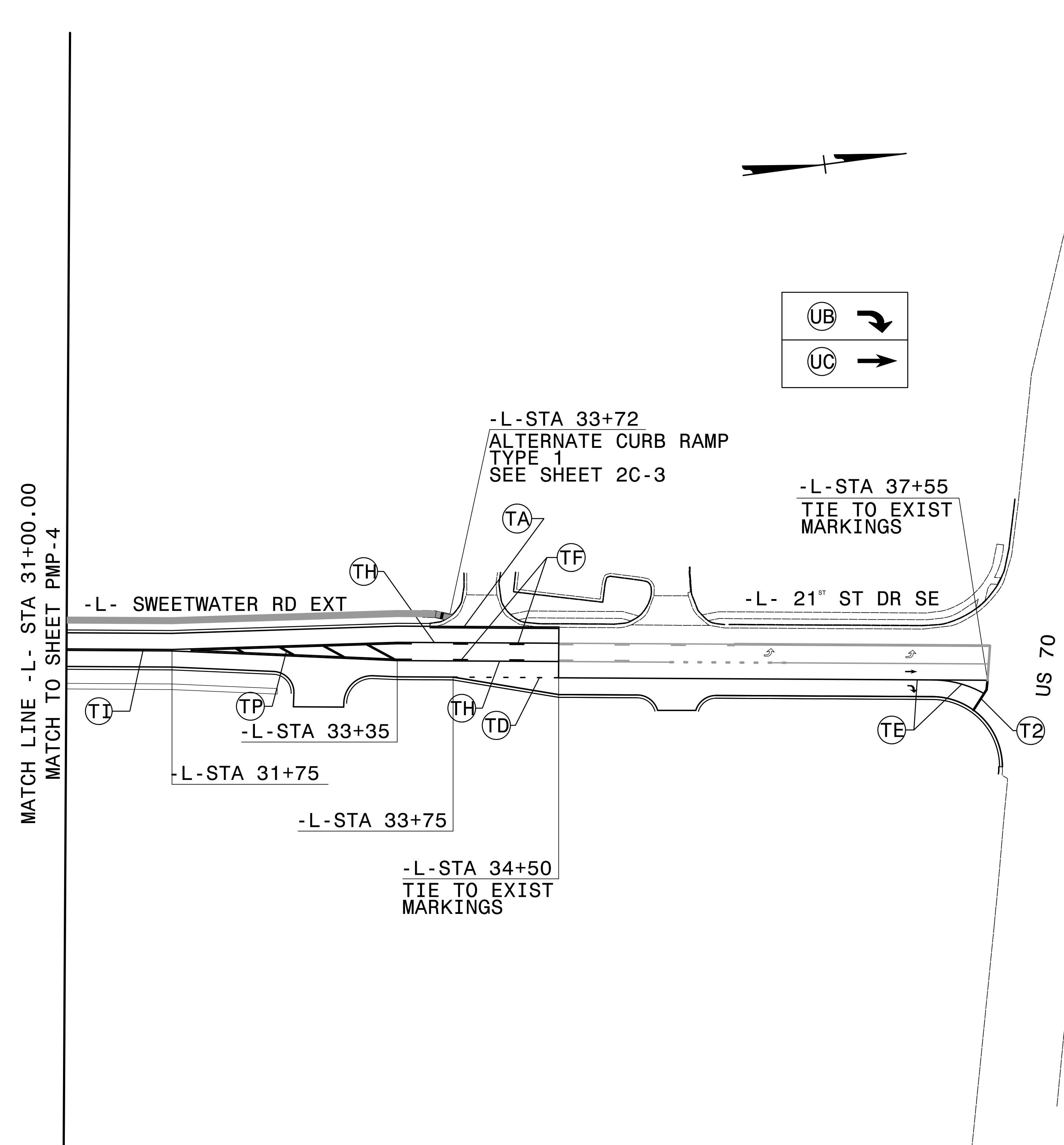
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APPROVED: _____ DATE: _____



**FINAL PAVEMENT
 MARKINGS PLAN**

FINAL PAVEMENT MARKING SCHEDULE



SYMB DESCRIPTION FINAL PAVEMENT MARKINGS

THERMOPLASTIC(12", 120 MILS)

T10 3 FT. - 3 FT./SP WHITE MINISKIP

THERMOPLASTIC(24", 120 MILS)

T2 WHITE STOPBAR

T3 WHITE CROSSWALK LINE

THERMOPLASTIC(4", 120 MILS)

T8 2 FT. - 6 FT./SP WHITE MINISKIP

TD 3 FT. - 9 FT./SP WHITE MINISKIP

TE WHITE SOLID LANE LINE

TF 10 FT. YELLOW SKIP

TH YELLOW SINGLE CENTER

TI YELLOW DOUBLE CENTER

THERMOPLASTIC(4", 90 MILS)

TA WHITE EDGELINE

THERMOPLASTIC(8", 90 MILS)

TN WHITE GORELINE

TP YELLOW DIAGONAL

THERMOPLASTICPAVEMENT MARKING SYMBOLS (90 MILS)

UA LEFT TURN ARROW

UB RIGHT TURN ARROW

UC STRAIGHT ARROW

UE COMBO. STRAIGHT/RIGHT

UN 24" YIELD LINE TRIANGLE

MARKERS

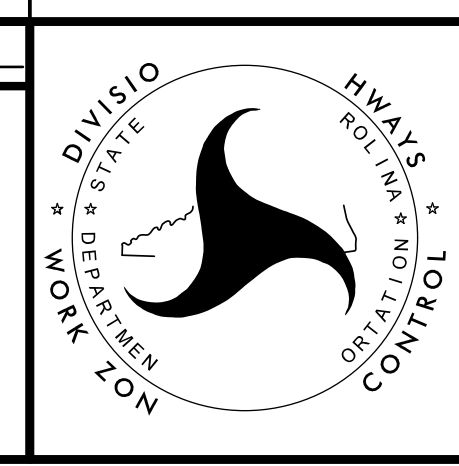
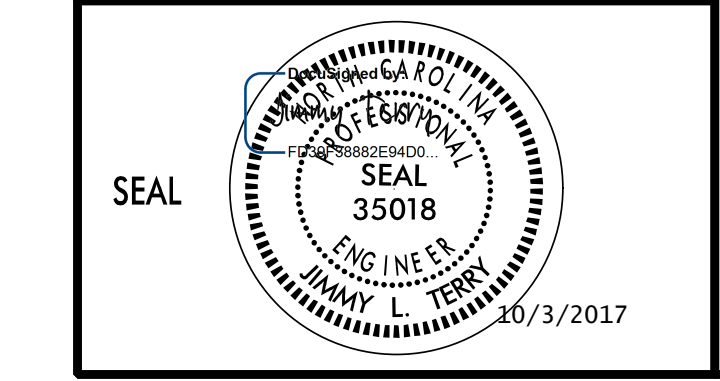
SNOWPLOWABLE PERMANENT RAISED PAVEMENT MARKERS

ME YELLOW & YELLOW

MF CRYSTAL & RED

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

APPROVED: _____ DATE: _____



FINAL PAVEMENT MARKINGS PLAN & FINAL PAVEMENT MARKING SCHEDULE