


STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

TIP NO. U-3423	SHEET NO. PMP-1
APPROVED: <i>Ayman Alquodwah</i>	
DATE: 2/25/10	
SEAL	
	

PAVEMENT MARKING PLAN
CUMBERLAND COUNTY

LOCATION: NC 24-87 (BRAGG BOULEVARD)
FROM THE US 401 BYPASS TO NORTH OF
SR 1437 (SANTA FE DRIVE /SHAW ROAD)

T.I.P.: U-3423

CONTRACT: C202435

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 JULY 2006 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 MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSINGS
1205.08	PAVEMENT MARKINGS - SYMBOL AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS - TEMPORARY AND PERMANENT
1253.01	SNOWPLOWABLE RAISED PAVEMENT MARKERS
1261.01	GUARDRAIL AND BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATOR TYPES
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
NC 24/87 BRAGG BLVD. (ROADWAY)	THERMOPLASTIC	SNOWPLOWABLE
NC 24/87 BRAGG BLVD. (BRIDGE DECKS)	TYPE 2 COLD APPLIED PLASTIC	PERMANENT RAISED
US 401 EXIT RAMPS	THERMOPLASTIC	SNOWPLOWABLE
SWAIN ST.	THERMOPLASTIC	SNOWPLOWABLE
JOHNSON ST.	THERMOPLASTIC	SNOWPLOWABLE
MIKE ST.	THERMOPLASTIC	SNOWPLOWABLE
OLD SHAW RD.	THERMOPLASTIC	SNOWPLOWABLE
SHAW RD. / SANTA FE DR.	THERMOPLASTIC	SNOWPLOWABLE

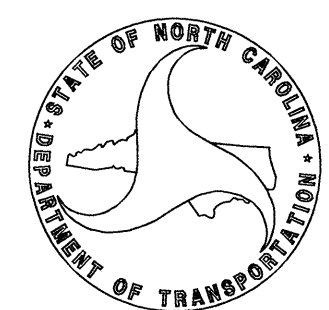
- D) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
E) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
F) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
G) STOPBAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
H) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON THE BRIDGE DECK(S) PRIOR TO PLACING TYPE 2 COLD APPLIED PLASTIC PAVEMENT MARKING.


INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE SHEET
PMP-2	PAVEMENT MARKING SCHEDULE
PMP-3 thru 7	PAVEMENT MARKING DETAIL

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

A.I.ALQUDWAH, P.E. SIGNING & DELINEATION REGIONAL ENGINEER
D.M.EATON SIGNING & DELINEATION PROJECT DESIGN ENGINEER/TECHNICIAN



TIP NO.	SHEET NO.
U-3423	PMP-2
APPROVED: <i>[Signature]</i>	
DATE: 3/10/10	
SEAL	
	

U-3423 FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM QUANTITY	TOTAL
FINAL PAVEMENT MARKINGS			
<u>THERMOPLASTIC (24", 120 MILS)</u>			
T2	WHITE STOPBAR	1041 LF	
		TOTAL	1041 LF
<u>COLD APPLIED PLASTIC (4" Type2 - Permanent High Performance</u>			
CB	YELLOW EDGELINE	380 LF	
CC	10 FT. WHITE SKIP	190 LF	
		TOTAL	570 LF
<u>THERMOPLASTIC(4", 120 MILS)</u>			
T8	2 FT. - 8 FT./SP WHITE MINISKIP	135 LF	
TC	10 FT. WHITE SKIP	9039 LF	
TD	2 FT. - 13 FT./SP WHITE MINISKIP	697 LF	
TE	WHITE SOLID LANE LINE	3288 LF	
TI	YELLOW DOUBLE CENTER	2164 LF	
		TOTAL	15323 LF
<u>THERMOPLASTIC(4", 90 MILS)</u>			
TA	WHITE EDGELINE	855 LF	
TB	YELLOW EDGELINE	4199 LF	
		TOTAL	5054 LF
<u>THERMOPLASTIC(8", 120 MILS)</u>			
TV	WHITE CROSSWALK LINE	810 LF	
		TOTAL	810 LF
<u>THERMOPLASTIC(8", 90 MILS)</u>			
TT	YELLOW DIAGONAL	124 LF	
		TOTAL	124 LF
<u>THERMOPLASTIC (8", 90 MILS)</u>			
TP	WHITE GORELINE	1215 LF	
TQ	WHITE DIAGONAL	106 LF	
		TOTAL	1321 LF

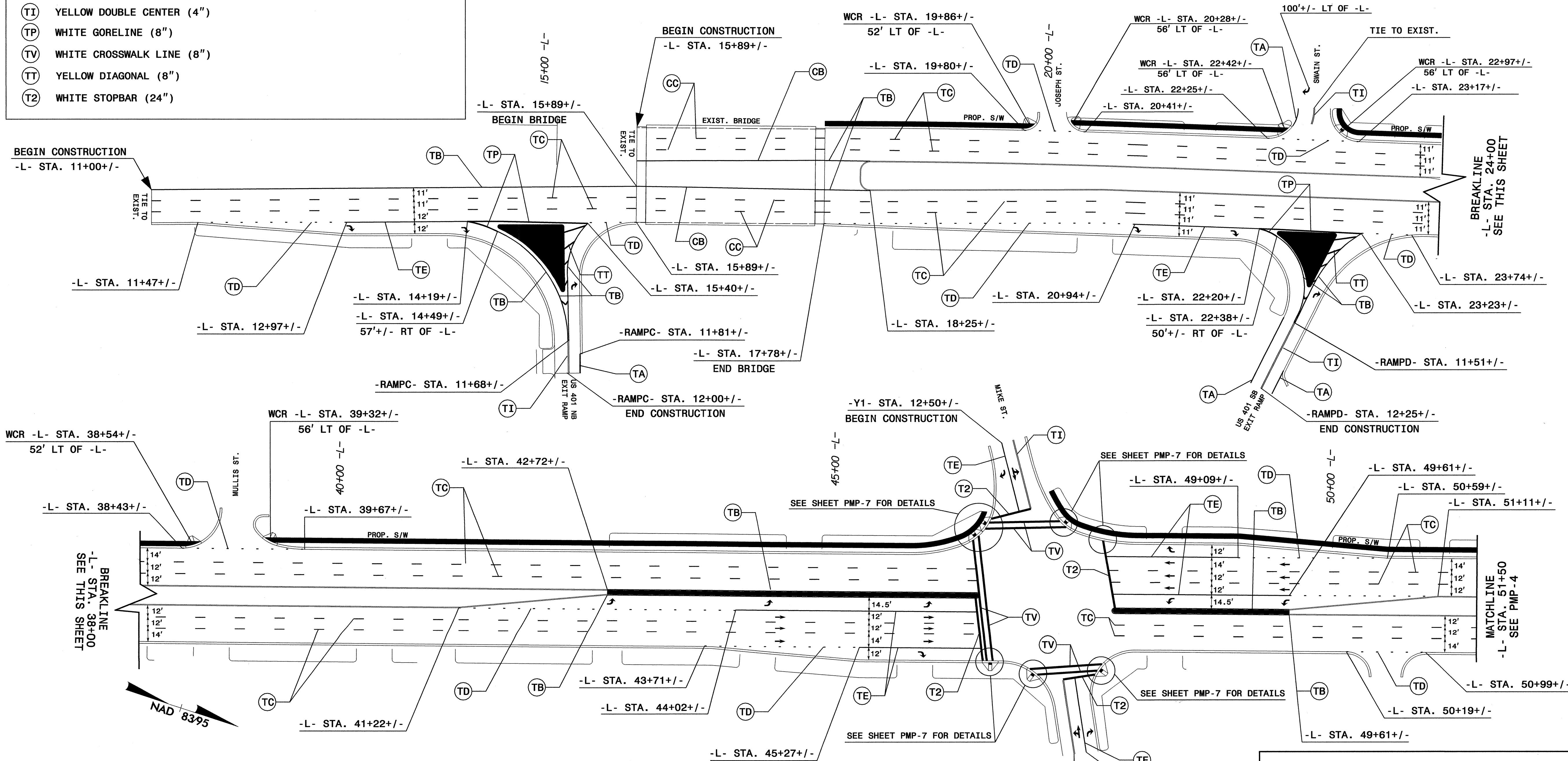
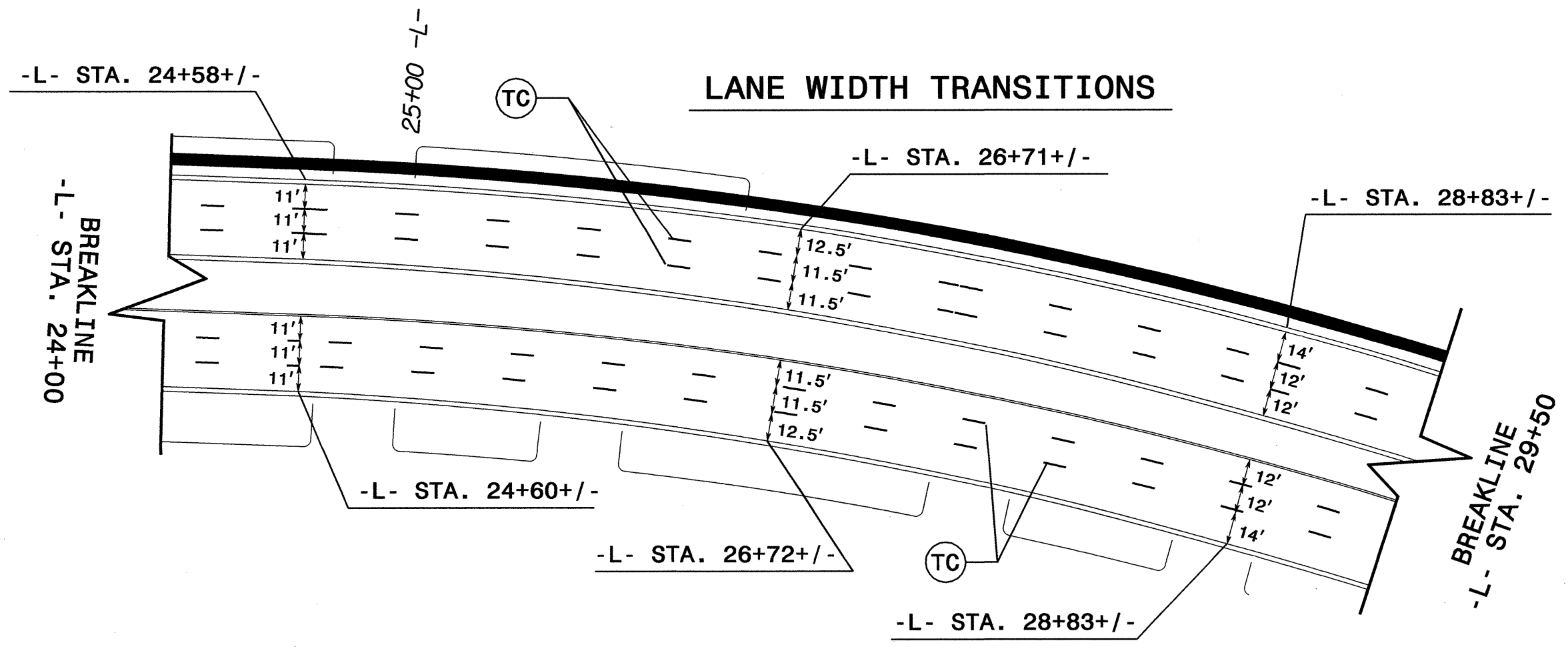
U-3423 FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM QUANTITY	TOTAL
<u>THERMOPLASTICPAVEMENT MARKING CHARACTER (120 MILS)</u>			
UI	ALPHANUMERIC CHAR.	20 EA	
		TOTAL	20 EA
<u>THERMOPLASTICPAVEMENT MARKING SYMBOLS (90 MILS)</u>			
UT	U-TURN ARROW	6 EA	
		TOTAL	6 EA
<u>THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)</u>			
UA	LEFT TURN ARROW	27 EA	
UB	RIGHT TURN ARROW	20 EA	
UC	STRAIGHT ARROW	33 EA	
UE	COMBO.STRAIGHT/RIGHT	2 EA	
		TOTAL	82 EA
MARKERS			
<u>PERMANENT RAISED PAVEMENT MARKERS</u>			
MA	YELLOW & YELLOW	5 EA	
MB	CRYSTAL & RED	10 EA	
		TOTAL	15 EA
<u>SNOWPLOWABLE RAISED PAVEMENT MARKERS</u>			
ME	YELLOW & YELLOW	14 EA	
MF	CRYSTAL & RED	677 EA	
		TOTAL	691 EA

PAVEMENT MARKING SCHEDULE

09-MAR-2010 08:22
 P:\TIP\Projects-U\U3423\Traffic\Signing\CADD\Pavement Markings\U3423_Pavement Marking Title.dgn
 meaton AT TECC22656

SYMBOL AND PAVEMENT MARKING LEGEND	
	(UA) LEFT TURN ARROW
	(UB) RIGHT TURN ARROW
	(UC) STRAIGHT ARROW
	(UE) COMBO. STRAIGHT/LEFT ARROW
THERMOPLASTIC	
(TB)	YELLOW EDGE LINE (4")
(TC)	WHITE SKIP LINE (4")
(TD)	2 FT. WHITE MINISKIP (4")
(TE)	WHITE SOLID LANE LINE (4")
(TI)	YELLOW DOUBLE CENTER (4")
(TP)	WHITE GORELINE (8")
(TV)	WHITE CROSSWALK LINE (8")
(TT)	YELLOW DIAGONAL (8")
(T2)	WHITE STOPBAR (24")
COLD APPLIED PLASTIC	
(CB)	YELLOW EDGE LINE (4")
(CC)	WHITE SKIP LINE (4")




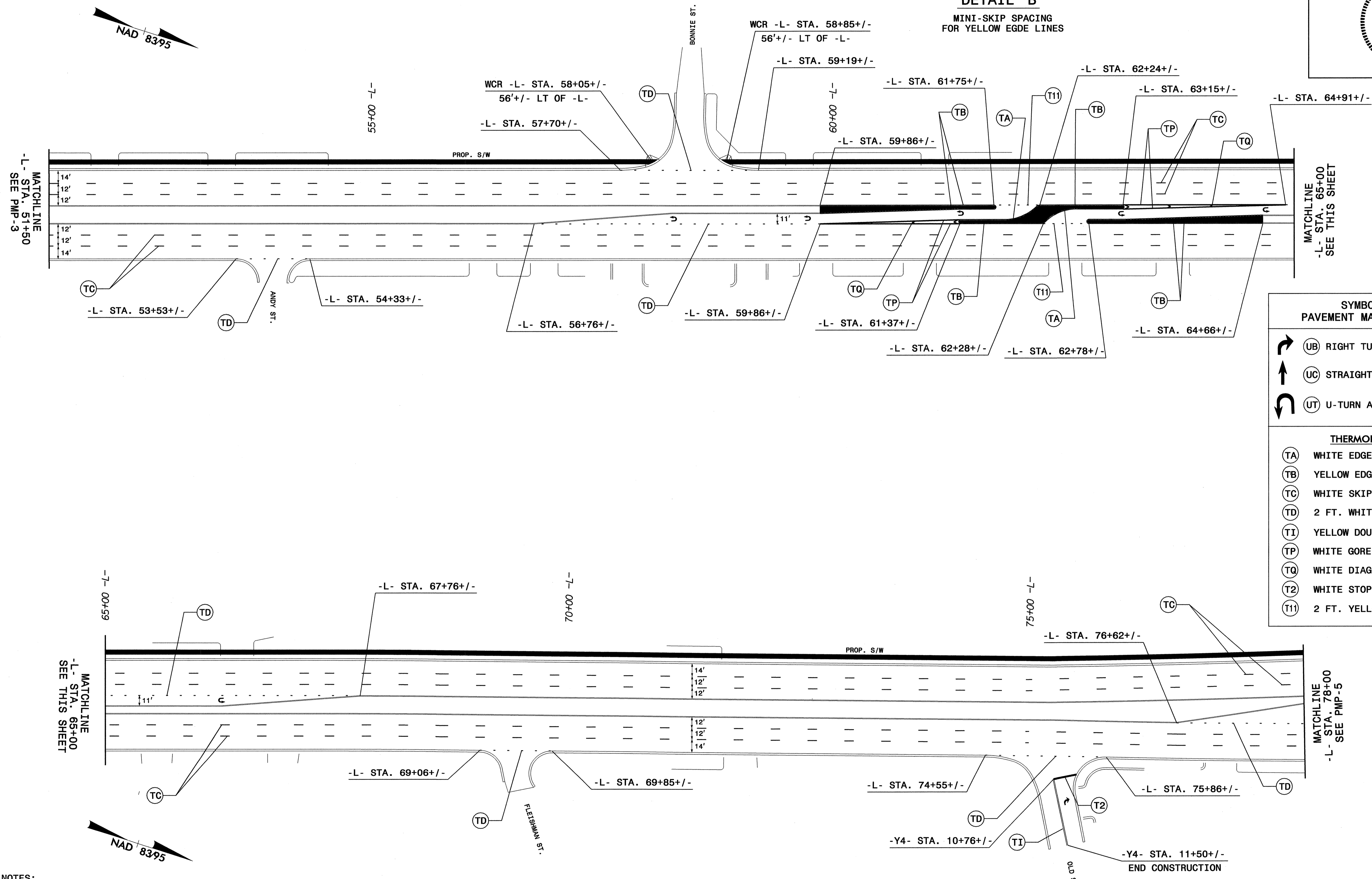
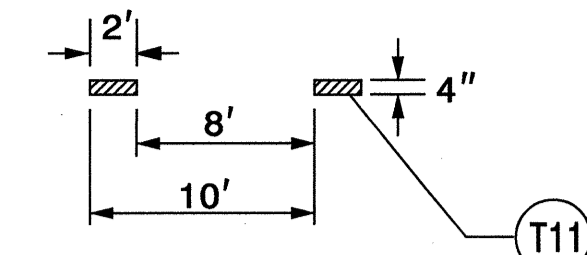
NOTES:













- UNLESS OTHERWISE SHOWN ON DRAWING, SEE 2006 NC DOT ROADWAY STANDARD DRAWINGS 1205.01, 1205.02, 1205.04, 1205.05, 1205.07, 2105.08, 1205.09 FOR PAVEMENT MARKING AND SYMBOL LOCATIONS AND 1250.01 FOR RAISED AND SNOWPLOWABLE PAVEMENT MARKER LOCATIONS.

PAVEMENT MARKING DETAIL

09-MAR-2010 10:28
 P:\TIP-Proj\eggs\U3423\Traffic\Signing\CADD\Pavement Markings\U3423.sgn_pmp_pah3.dgn
 meaton AT TCC221656

TIP NO. U-3423	SHEET NO. PMP-4
APPROVED: <i>[Signature]</i>	
DATE: 3/7/10	
SEAL	
	




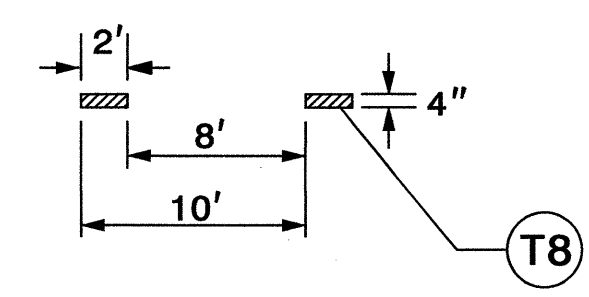
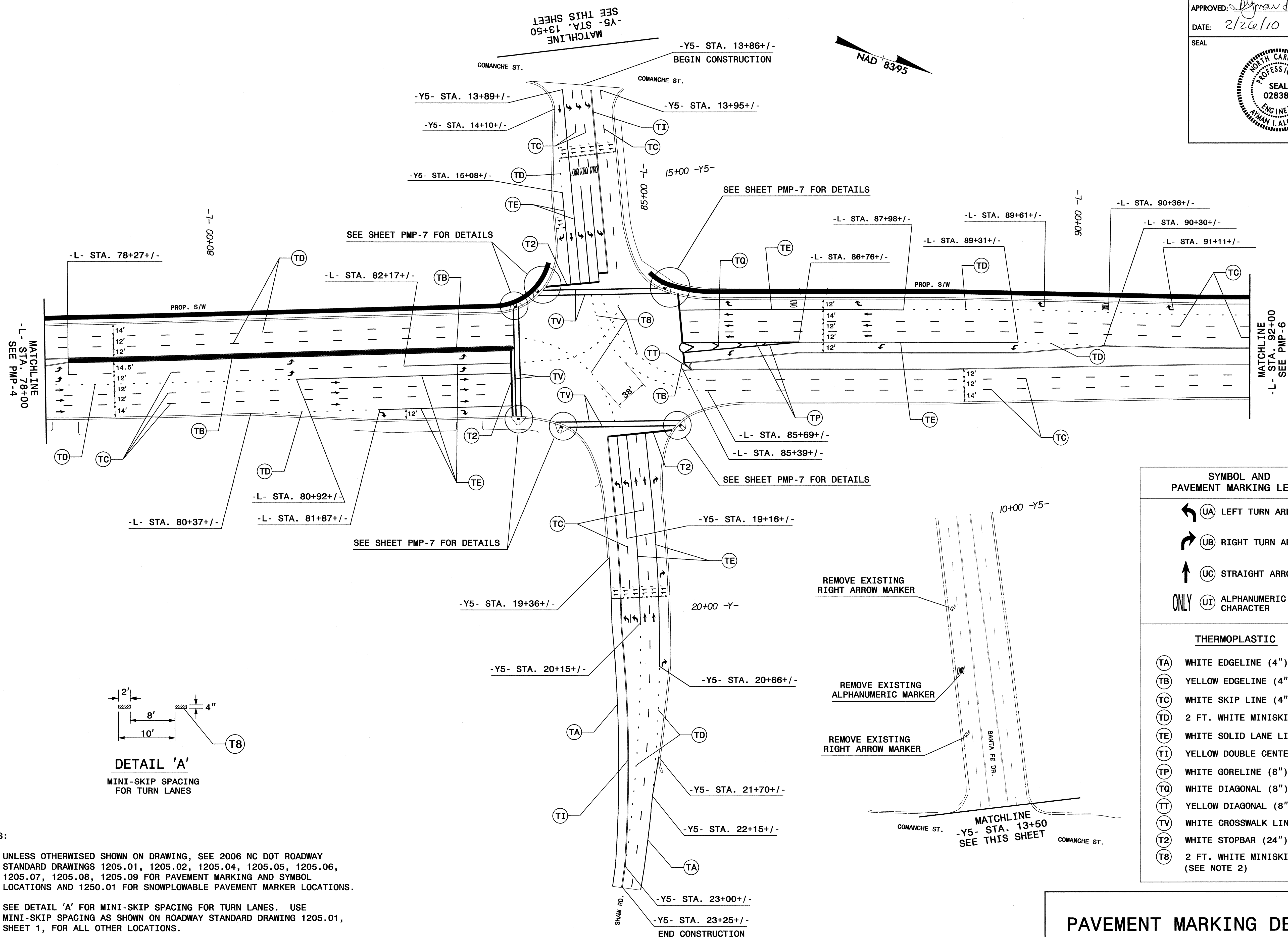
SYMBOL AND PAVEMENT MARKING LEGEND	
	(UB) RIGHT TURN ARROW
	(UC) STRAIGHT ARROW
	(UT) U-TURN ARROW
THERMOPLASTIC	
	(TA) WHITE EDGE LINE (4")
	(TB) YELLOW EDGE LINE (4")
	(TC) WHITE SKIP LINE (4")
	(TD) 2 FT. WHITE MINISKIP (4")
	(TI) YELLOW DOUBLE CENTER (4")
	(TP) WHITE GORELINE (8")
	(TQ) WHITE DIAGONAL (8")
	(T2) WHITE STOPBAR (24")
	(T11) 2 FT. YELLOW MINISKIP (4")

- NOTES:
- UNLESS OTHERWISE SHOWN ON DRAWING, SEE 2006 NC DOT ROADWAY STANDARD DRAWINGS 1205.01, 1205.02, 1205.04, 1205.05, 1205.07, 1205.08, 1205.09 FOR PAVEMENT MARKING AND SYMBOL LOCATIONS AND 1250.01 FOR SNOWPLOWABLE PAVEMENT MARKER LOCATIONS.
 - SEE DETAIL 'B' FOR MINI-SKIP SPACING FOR YELLOW EDGE LINES. USE MINI-SKIP SPACING AS SHOWN ON ROADWAY STANDARD DRAWING 1205.01, SHEET 1, FOR ALL OTHER LOCATIONS.

PAVEMENT MARKING DETAIL

09-MAR-2010 10:44 P:\TIP-Proj\eggs\U03423\Traffic\Signing\CADD\Pavement Markings\U03423_Sgn_PMP-ps4.dgn meaton AT TEC221656

TIP NO. U-3423	SHEET NO. PMP-5
APPROVED: <i>[Signature]</i>	
DATE: 2/26/10	
SEAL	
	



- NOTES:**
- UNLESS OTHERWISE SHOWN ON DRAWING, SEE 2006 NC DOT ROADWAY STANDARD DRAWINGS 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.07, 1205.08, 1205.09 FOR PAVEMENT MARKING AND SYMBOL LOCATIONS AND 1250.01 FOR SNOWPLOWABLE PAVEMENT MARKER LOCATIONS.
 - SEE DETAIL 'A' FOR MINI-SKIP SPACING FOR TURN LANES. USE MINI-SKIP SPACING AS SHOWN ON ROADWAY STANDARD DRAWING 1205.01, SHEET 1, FOR ALL OTHER LOCATIONS.

SYMBOL AND PAVEMENT MARKING LEGEND	
	(UA) LEFT TURN ARROW
	(UB) RIGHT TURN ARROW
	(UC) STRAIGHT ARROW
	(UI) ALPHANUMERIC CHARACTER
THERMOPLASTIC	
(TA)	WHITE EDGELINE (4")
(TB)	YELLOW EDGELINE (4")
(TC)	WHITE SKIP LINE (4")
(TD)	2 FT. WHITE MINISKIP (4")
(TE)	WHITE SOLID LANE LINE (4")
(TI)	YELLOW DOUBLE CENTER (4")
(TP)	WHITE GORELINE (8")
(TQ)	WHITE DIAGONAL (8")
(TT)	YELLOW DIAGONAL (8")
(TV)	WHITE CROSSWALK LINE (8")
(T2)	WHITE STOPBAR (24")
(T8)	2 FT. WHITE MINISKIP (4") (SEE NOTE 2)

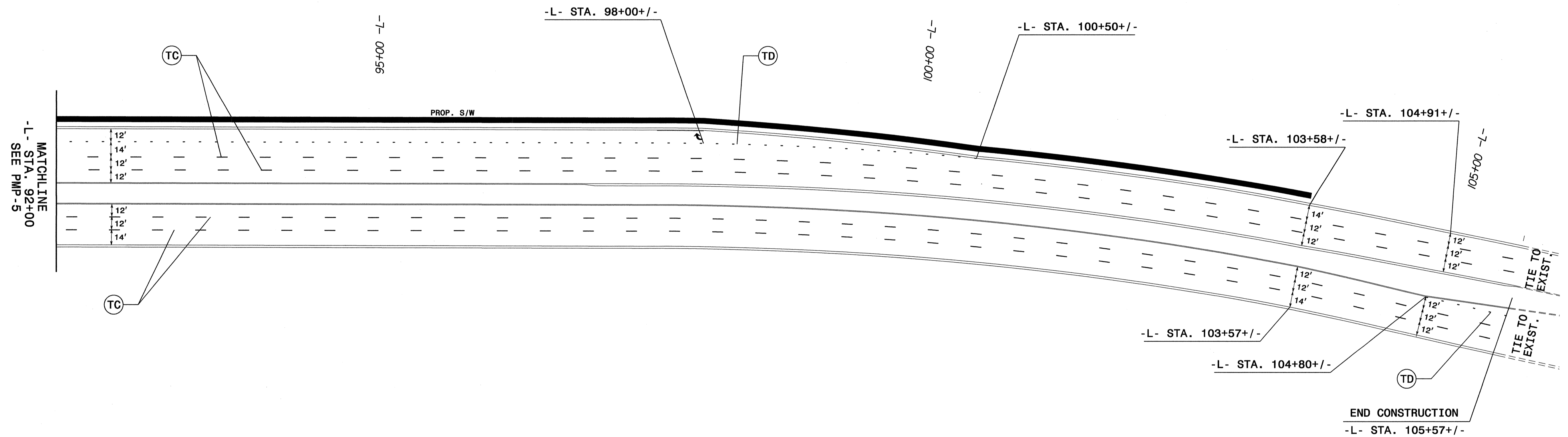
PAVEMENT MARKING DETAIL

26-FEB-2010 08:26
 P:\TIP-Proj\eg\3423\Traffic\Signing\CADD\Pavement Markings\U3423_Sgn_PMP_psh5.dgn
 meaton AT TEL221656

TIP NO. U-3423	SHEET NO. PMP-6
APPROVED: <i>Ayman Alquodmani</i>	
DATE: 2/25/10	
SEAL	



SYMBOL AND PAVEMENT MARKING LEGEND	
	UB RIGHT TURN ARROW
	TC WHITE SKIP LINE (4")
	TD 2 FT. WHITE MINISKIP (4")

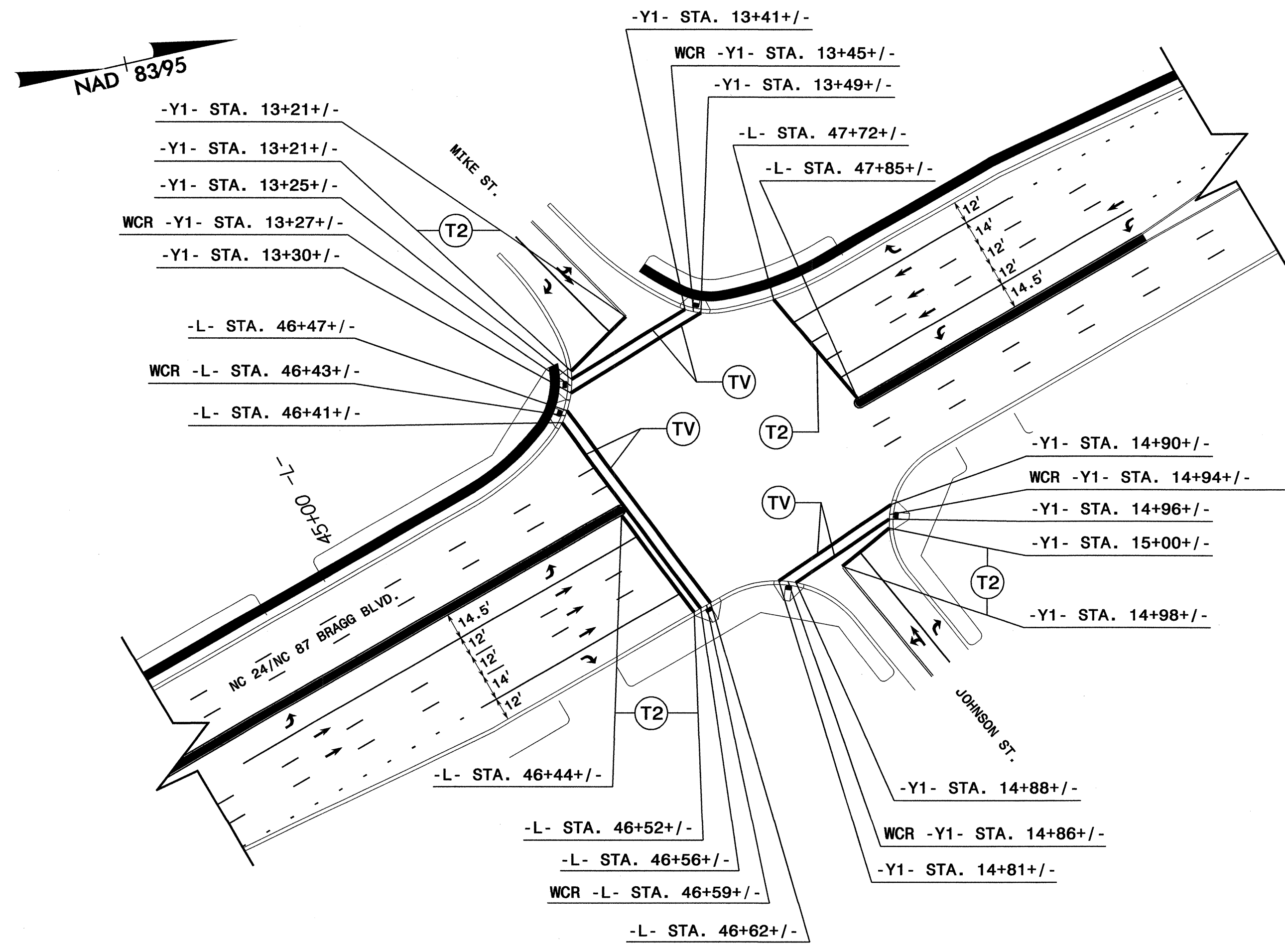


NOTES:

- UNLESS OTHERWISE SHOWN ON DRAWING, SEE 2006 NC DOT ROADWAY STANDARD DRAWINGS 1205.01, 1205.02, 1205.05, 1205.08 FOR PAVEMENT MARKING AND SYMBOL LOCATIONS AND 1250.01 FOR SNOWPLOWABLE PAVEMENT MARKER LOCATIONS.

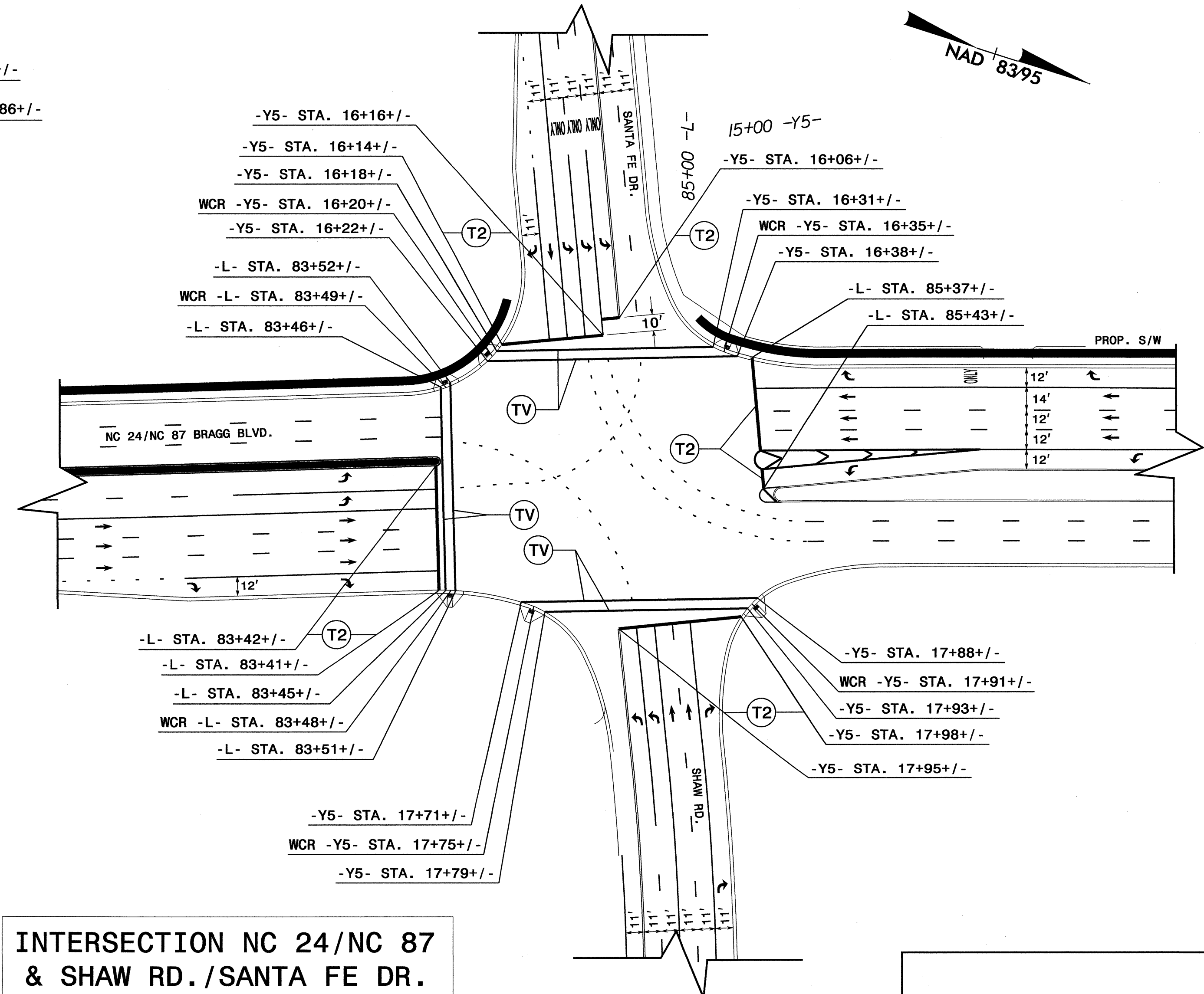
PAVEMENT MARKING DETAIL

19-FEB-2010 14:03
 P:\IT\Projects\U3423\Traffic\Signing\CADD\Pavement Markings\U3423_Sgn_PMP_psh6.dgn
 meaton AT TECC221656



**INTERSECTION NC 24/NC 87
& MIKE ST./JOHNSON ST.**

SYMBOL AND PAVEMENT MARKING LEGEND	
THERMOPLASTIC	
(TV)	WHITE CROSSWALK LINE (8")
(T2)	WHITE STOPBAR (24")



**INTERSECTION NC 24/NC 87
& SHAW RD./SANTA FE DR.**

- NOTES:**
- UNLESS OTHERWISE SHOWN ON DRAWING, SEE 2006 NC DOT ROADWAY STANDARD DRAWINGS 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.07, 1205.08, 1205.09 FOR PAVEMENT MARKING AND SYMBOL LOCATIONS AND 1250.01 FOR SNOWPLOWABLE PAVEMENT MARKER LOCATIONS.

PAVEMENT MARKING DETAIL

25-MAR-2010 10:42
 C:\Users\meaton\Documents\Projects\2010\Traffic\Signing\CADD\Pavement Markings\U3423_Sgn_PMP_psh7.dgn
 meaton