


**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
ALAMANCE COUNTY
LOCATION: INTERCHANGE IMPROVEMENTS AT I-40I-85
AND SR 1007 (MEBANE OAKS RD) IN MEBANE**

TIP NO. I - 5711	SHEET NO. PMP - 1
DocuSigned by: <i>Brian K. Eason</i>	
APPROVED:	9AF015AD7ACC48F...
DATE:	1/2/2020
SEAL	
	
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T.I.P.: I-5711

CONTRACT: C204352

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-2A	INTERSECTION LAYOUT DETAIL
PMP-3 THRU PMP-7	PAVEMENT MARKING DETAIL

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM
CA	WHITE EDGELINE	COLD APPLIED PLASTIC
CB	YELLOW EDGELINE	COLD APPLIED PLASTIC
CC	10 FT WHITE SKIP	COLD APPLIED PLASTIC
CD	3 FT - 9 FT/SP WHITE MINISKIP	COLD APPLIED PLASTIC
CE	WHITE SOLID LANE LINE	COLD APPLIED PLASTIC
DA	STRAIGHT ARROW	COLD APPLIED PLASTIC
DC	LEFT TURN ARROW	COLD APPLIED PLASTIC
ME	PERMANENT RAISED MARKER	SNOWPLOWABLE RAISED MARKER
MF	PERMANENT RAISED MARKER	SNOWPLOWABLE RAISED MARKER
T2	WHITE STOP BAR	(24", 90 MIL) THERMOPLASTIC
T3	WHITE CROSSWALK LINE	(24", 90 MIL) THERMOPLASTIC
T6	WHITE EDGELINE	(6", 90 MIL) THERMOPLASTIC
T7	YELLOW EDGELINE	(6", 90 MIL) THERMOPLASTIC
T8	2 FT - 6 FT/SP WHITE MINISKIP	(4" 90 MIL) THERMOPLASTIC
T13	3 FT - 9 FT/SP WHITE MINISKIP	(8", 90 MIL) THERMOPLASTIC
TA	WHITE EDGELINE	(4", 90 MIL) THERMOPLASTIC
TB	YELLOW EDGELINE	(4", 90 MIL) THERMOPLASTIC
TC	10 FT WHITE SKIP	(4", 90 MIL) THERMOPLASTIC
TD	3 FT - 9 FT/SP WHITE MINISKIP	(4", 90 MIL) THERMOPLASTIC
TE	WHITE SOLID LANE LINE	(4", 90 MIL) THERMOPLASTIC
TI	YELLOW DOUBLE CENTER	(4", 90 MIL) THERMOPLASTIC
TJ	10 FT WHITE SKIP	(6", 90 MIL) THERMOPLASTIC
TK	3 FT - 9 FT/SP WHITE MINISKIP	(6", 90 MIL) THERMOPLASTIC
TL	WHITE SOLID LANE LINE	(6", 90 MIL) THERMOPLASTIC
TN	WHITE GORELINE	(8", 90 MIL) THERMOPLASTIC
TO	WHITE DIAGONAL	(8", 90 MIL) THERMOPLASTIC
TP	YELLOW DIAGONAL	(8", 90 MIL) THERMOPLASTIC
TR	WHITE SOLID LANE LINE	(8", 90 MIL) THERMOPLASTIC
TS	WHITE GORELINE	(12", 90 MIL) THERMOPLASTIC
TU	WHITE DIAGONAL	(12", 90 MIL) THERMOPLASTIC
UA	LEFT TURN ARROW	(90 MIL) THERMOPLASTIC
UB	RIGHT TURN ARROW	(90 MIL) THERMOPLASTIC
UC	STRAIGHT ARROW	(90 MIL) THERMOPLASTIC
UD	STRAIGHT/LEFT ARROW	(90 MIL) THERMOPLASTIC
UE	STRAIGHT/RIGHT ARROW	(90 MIL) THERMOPLASTIC
UI	ALPHANUMERIC CHARACTER	(90 MIL) THERMOPLASTIC
UJ	BICYCLE SYMBOL	(90 MIL) THERMOPLASTIC
UK	BICYCLE STRAIGHT ARROW	(90 MIL) THERMOPLASTIC
UP	MERGE ARROW	(90 MIL) THERMOPLASTIC
ZZ	ROUTE SHIELD	(90 MIL) THERMOPLASTIC

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
1205.03	PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMPS
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 - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

GENERAL NOTES

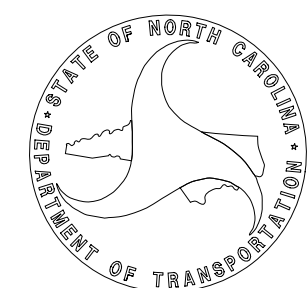
THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

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

ROAD NAME	MARKING	MARKER
ALL ROADS	THERMOPLASTIC	SNOW-PLOWABLE MARKERS
BRIDGE DECK	COLD APPLIED PLASTIC	PERMANENT RAISED MARKERS
- 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) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON CONCRETE BRIDGE DECKS PRIOR TO PLACING COLD APPLIED PLASTIC PAVEMENT MARKING MATERIAL.
- G) 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.
- H) TYPE III COLD APPLIED PLASTIC MAY BE USED IN LIEU OF TYPE II COLD APPLIED PLASTIC. IF TYPE III COLD APPLIED PLASTIC IS USED, IT SHALL BE PAID FOR USING THE TYPE II COLD APPLIED PLASTIC PAY ITEM.
- I) ALL BICYCLE LANE SYMBOLS SHALL BE HEATED-IN-PLACE THERMOPLASTIC. SYMBOLS SHALL BE PAID FOR USING THE HEATED-IN-PLACE PAY ITEM.

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

<u>KELVIN L. JORDAN</u>	SIGNING AND DELINEATION REGIONAL ENGINEER
<u>ASHLEY MATTHEWS, PE</u>	SIGNING AND DELINEATION DESIGN ENGINEER



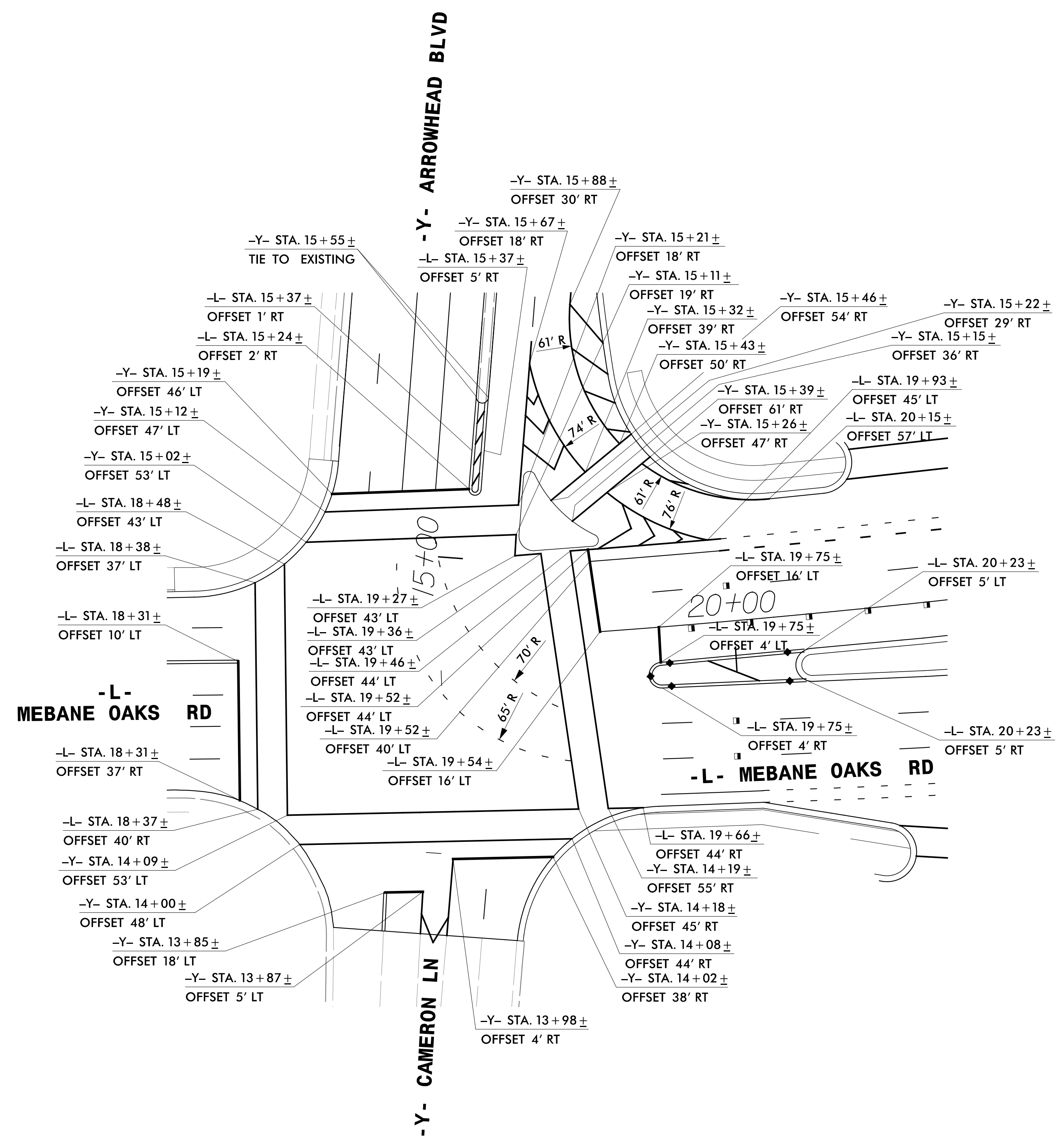
PLAN PREPARED BY:

<u>BRIAN K. EASON, PE</u>	SENIOR TRANSPORTATION ENGINEER
<u>RODNEY KNIGHT</u>	TRANSPORTATION DESIGNER

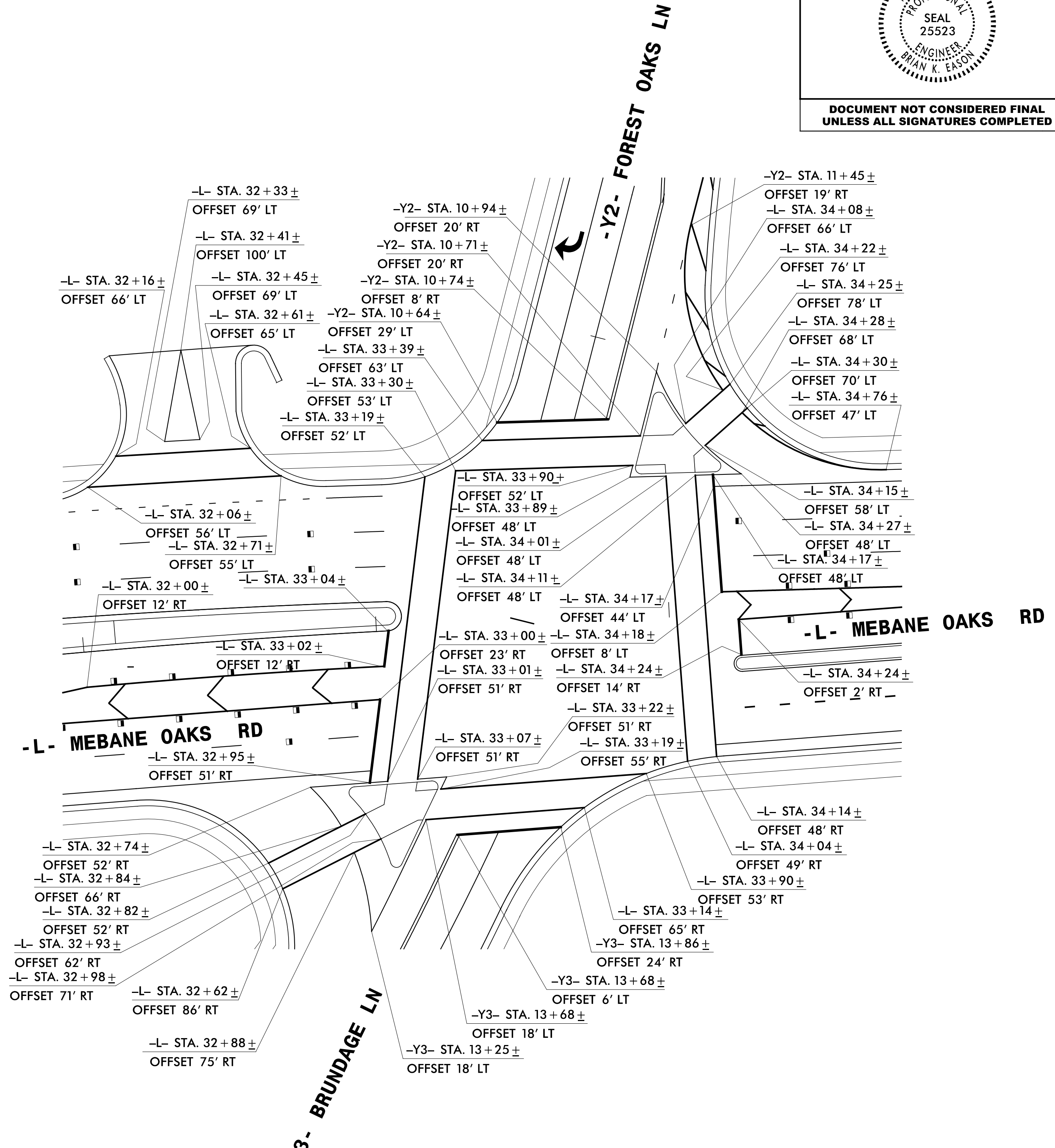
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2840 PLAZA PLACE, SUITE 202
RALEIGH, NC 27612
(919)571-7111
NC License Number F-0159

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DETAIL SHOWING
CROSSWALK, STOP BAR AND PAINTED ISLAND LAYOUT FOR
INTERSECTION OF -L- (MEBANE OAKS RD) AT
-Y- (ARROWHEAD BLVD/CAMERON LN)

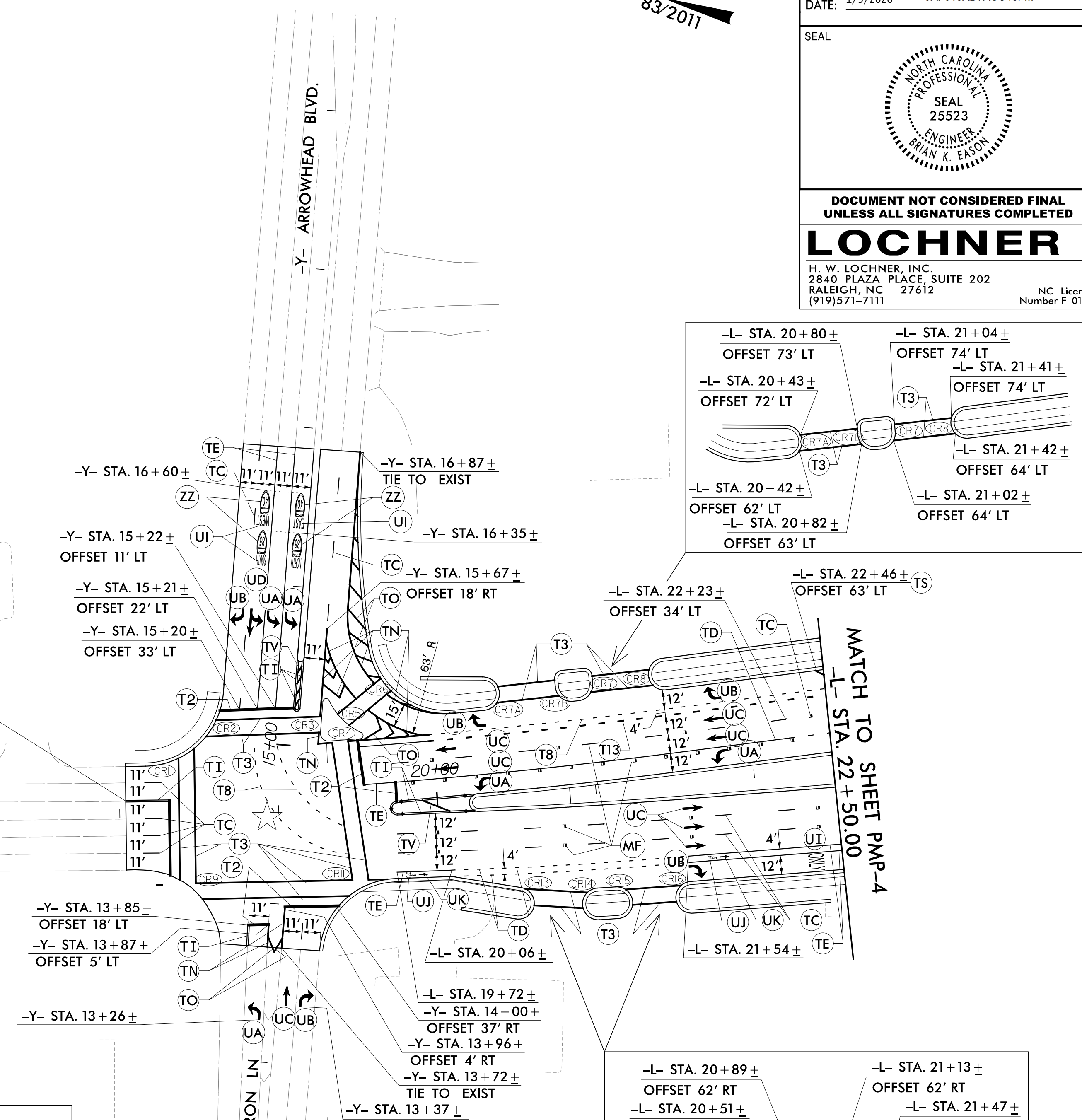
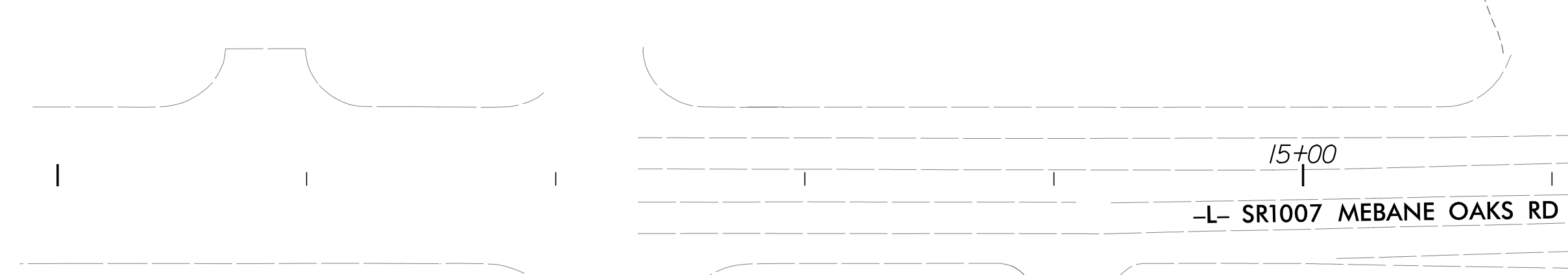
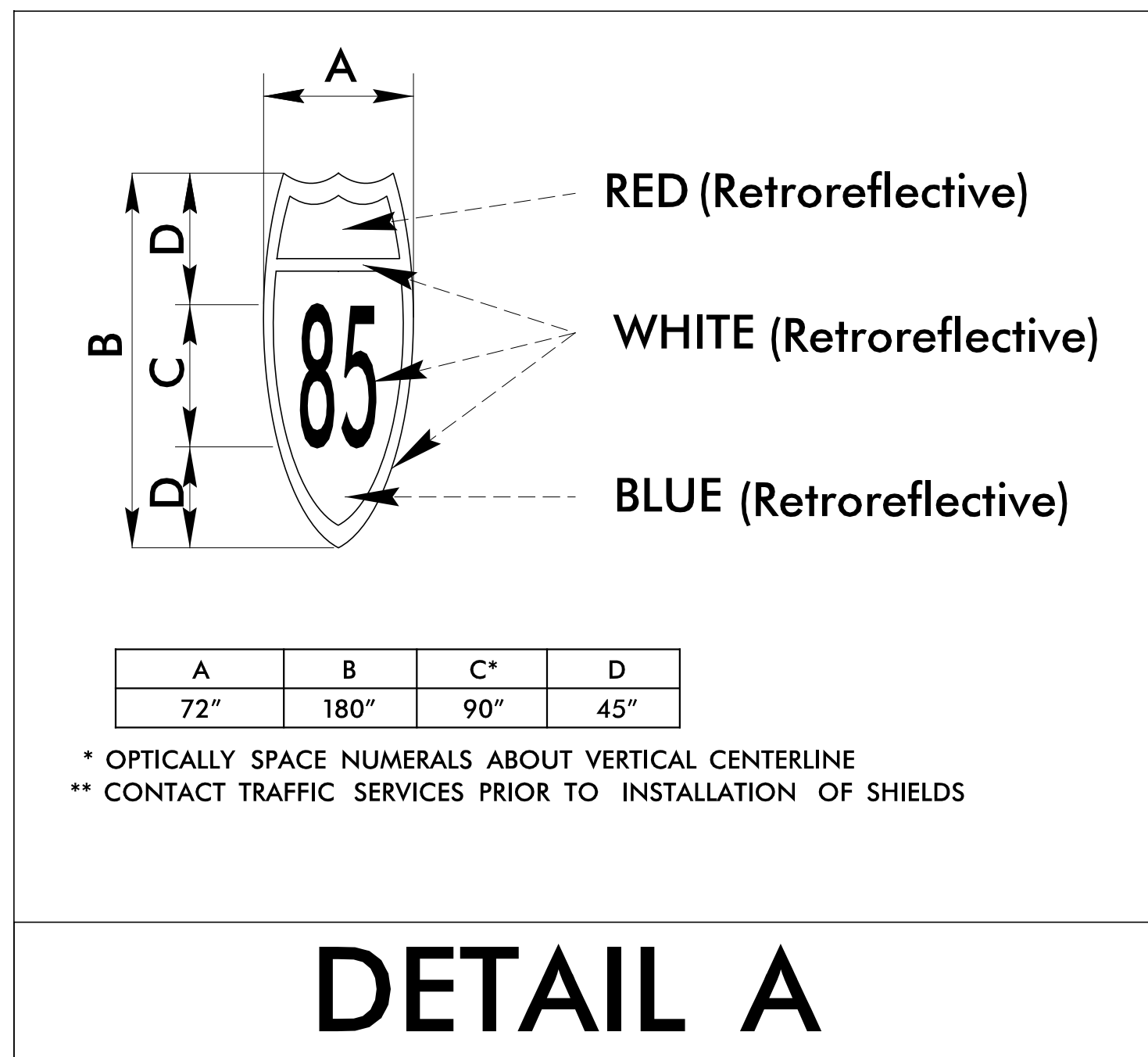
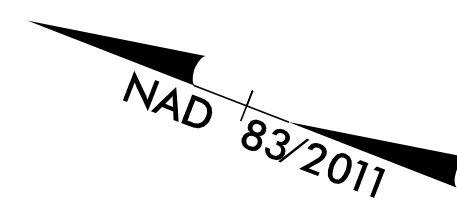


DETAIL SHOWING
CROSSWALK, STOP BAR AND PAINTED ISLAND LAYOUT FOR
INTERSECTION OF -L- (MEBANE OAKS RD) AT
-Y2- (FOREST OAKS LN) & (-Y3- (BRUNDAGE LN)

INTERSECTION LAYOUT DETAIL

1/2/2020
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BRNIGHT

TIP NO.	SHEET NO.
I-5711	PMP-3
DocuSigned by: Brian K. Eason	
APPROVED:	
DATE: 1/9/2020	9AF015AD7ACC48F...
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NC License Number F-0159	



★ EXISTING TRAFFIC SIGNAL

THERMOPLASTIC PAVEMENT MARKING LEGEND		PERMANENT RAISED PAVEMENT MARKERS (SNOWPLOWABLE)
UA ↙ LEFT TURN ARROW (90 MIL)	T2 WHITE STOP BAR (24", 90 MIL)	MF ■ PERMANENT RAISED MARKER - CRYSTAL & RED
UB ↘ RIGHT TURN ARROW (90 MIL)	T3 WHITE CROSSWALK LINE (24", 90 MIL)	
UC ↑ STRAIGHT ARROW (90 MIL)	T8 2 FT - 6 FTSP WHITE MINISKIP (4" 90 MIL)	
UD ↙ STRAIGHT/LEFT ARROW (90 MIL)	T13 3 FT - 9 FTSP WHITE MINISKIP (8" 90 MIL)	
UI ONLY ALPHANUMERIC CHARACTER (90 MIL)	TA WHITE EDGELINE (4", 90 MIL)	
UJ 🚲 BICYCLE SYMBOL, HEATED-IN-PLACE (90 MIL)	TC 10 FT SKIP (4", 90 MIL)	
UK 🚲 BICYCLE STRAIGHT ARROW, HEATED-IN-PLACE (90 MIL)	TD 3 FT - 9 FTSP WHITE MINISKIP (4", 90 MIL)	
ZZ 🛣️ ROUTE SHIELD (SEE DETAIL A)	TE WHITE SOLID LANE LINE (4", 90 MIL)	
	TN WHITE GORELINE (8", 90 MIL)	
	TO WHITE DIAGONAL (8", 90 MIL)	
	TS WHITE GORE LINE (12", 90 MIL)	
	TV YELLOW DIAGONAL (8", 90 MIL)	

CURB RAMP	STATION	OFFSET
CR1	18+41	38' LT
CR2	18+60	57' LT
CR3	19+29	57' LT
CR4	19+44	45' LT
CR5	19+43	57' LT
CR6	19+72	78' LT
CR7	20+89	68' LT
CR7A	20+44	67' LT
CR7B	20+80	68' LT
CR8	21+38	69' LT
CR10	18+46	47' RT
CR12	19+50	48' RT
CR13	20+56	58' RT
CR14	20+86	66' RT
CR15	21+16	67' RT
CR16	21+44	68' RT


SEE SHEET PMP-2B FOR LAYOUT OF CROSSWALKS, STOP BARS AND PAINTED ISLANDS AT THE INTERSECTION OF -L- (MEBANE OAKS RD) AND -Y- (ARROWHEAD BLVD/CAMERON LN)

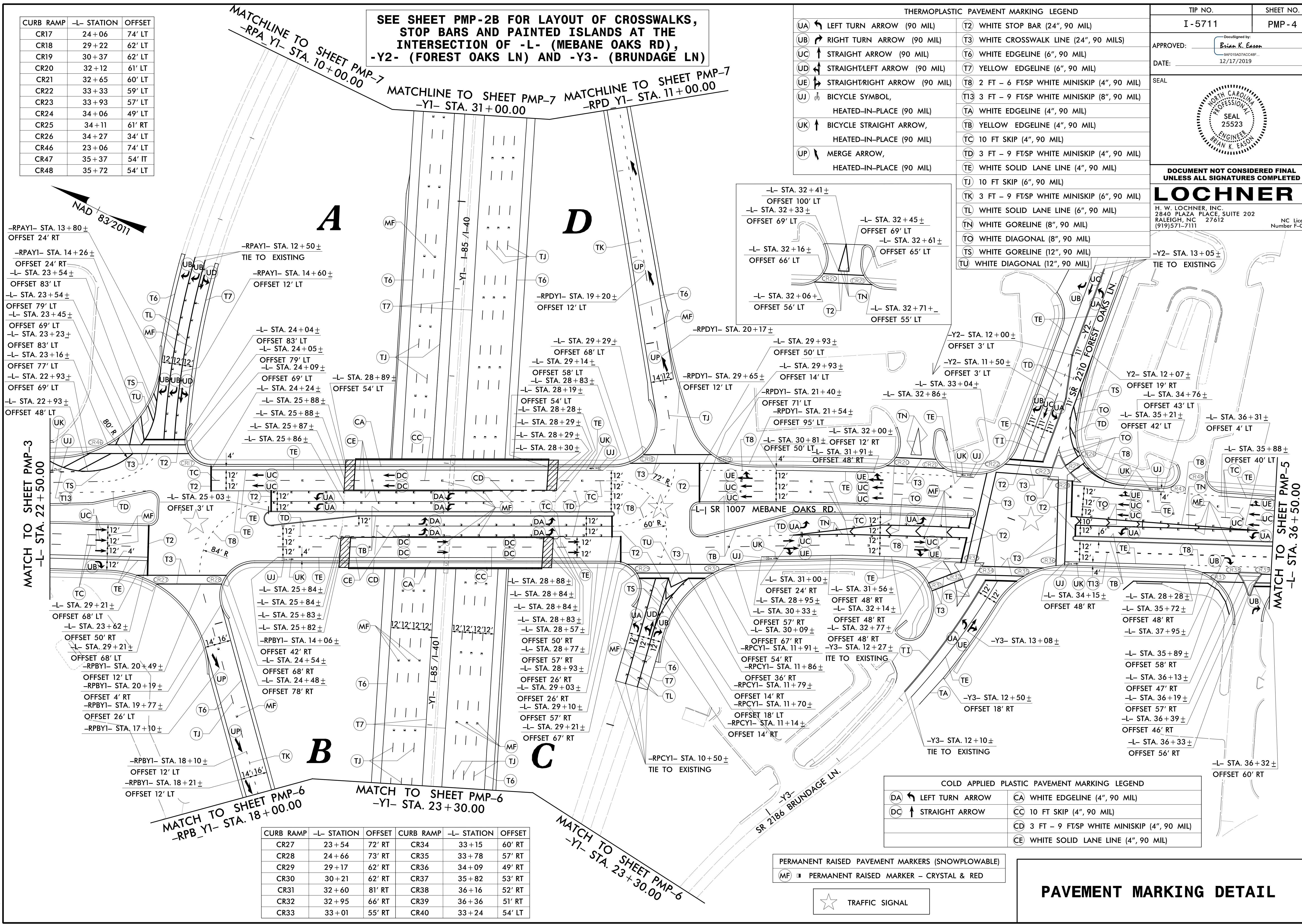
PAVEMENT MARKING DETAIL

CURB RAMP	-L- STATION	OFFSET
CR17	24+06	74' LT
CR18	29+22	62' LT
CR19	30+37	62' LT
CR20	32+12	61' LT
CR21	32+65	60' LT
CR22	33+33	59' LT
CR23	33+93	57' LT
CR24	34+06	49' LT
CR25	34+11	61' RT
CR26	34+27	34' LT
CR46	23+06	74' LT
CR47	35+37	54' IT
CR48	35+72	54' LT

SEE SHEET PMP-2B FOR LAYOUT OF CROSSWALKS, STOP BARS AND PAINTED ISLANDS AT THE INTERSECTION OF -L- (MEBANE OAKS RD), -Y2- (FOREST OAKS LN) AND -Y3- (BRUNDAGE LN)

THERMOPLASTIC PAVEMENT MARKING LEGEND	
UA	LEFT TURN ARROW (90 MIL)
UB	RIGHT TURN ARROW (90 MIL)
UC	STRAIGHT ARROW (90 MIL)
UD	STRAIGHT/LEFT ARROW (90 MIL)
UE	STRAIGHT/RIGHT ARROW (90 MIL)
UJ	BICYCLE SYMBOL, HEATED-IN-PLACE (90 MIL)
UK	BICYCLE STRAIGHT ARROW, HEATED-IN-PLACE (90 MIL)
UP	MERGE ARROW, HEATED-IN-PLACE (90 MIL)
T2	WHITE STOP BAR (24", 90 MIL)
T3	WHITE CROSSWALK LINE (24", 90 MILS)
T6	WHITE EDGELINE (6", 90 MIL)
T7	YELLOW EDGELINE (6", 90 MIL)
T8	2 FT - 6 FT/SP WHITE MINISKIP (4", 90 MIL)
T13	3 FT - 9 FT/SP WHITE MINISKIP (8", 90 MIL)
TA	WHITE EDGELINE (4", 90 MIL)
TB	YELLOW EDGELINE (4", 90 MIL)
TC	10 FT SKIP (4", 90 MIL)
TD	3 FT - 9 FT/SP WHITE MINISKIP (4", 90 MIL)
TE	WHITE SOLID LANE LINE (4", 90 MIL)
TJ	10 FT SKIP (6", 90 MIL)
TK	3 FT - 9 FT/SP WHITE MINISKIP (6", 90 MIL)
TL	WHITE SOLID LANE LINE (6", 90 MIL)
TN	WHITE GORELINE (8", 90 MIL)
TO	WHITE DIAGONAL (8", 90 MIL)
TS	WHITE GORELINE (12", 90 MIL)
TU	WHITE DIAGONAL (12", 90 MIL)

TIP NO. I-5711	SHEET NO. PMP-4
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COLD APPLIED PLASTIC PAVEMENT MARKING LEGEND	
DA	LEFT TURN ARROW
DC	STRAIGHT ARROW
CA	WHITE EDGELINE (4", 90 MIL)
CC	10 FT SKIP (4", 90 MIL)
CD	3 FT - 9 FT/SP WHITE MINISKIP (4", 90 MIL)
CE	WHITE SOLID LANE LINE (4", 90 MIL)

PERMANENT RAISED PAVEMENT MARKERS (SNOWPLOWABLE)
 MF ■ PERMANENT RAISED MARKER - CRYSTAL & RED

★ TRAFFIC SIGNAL

PAVEMENT MARKING DETAIL

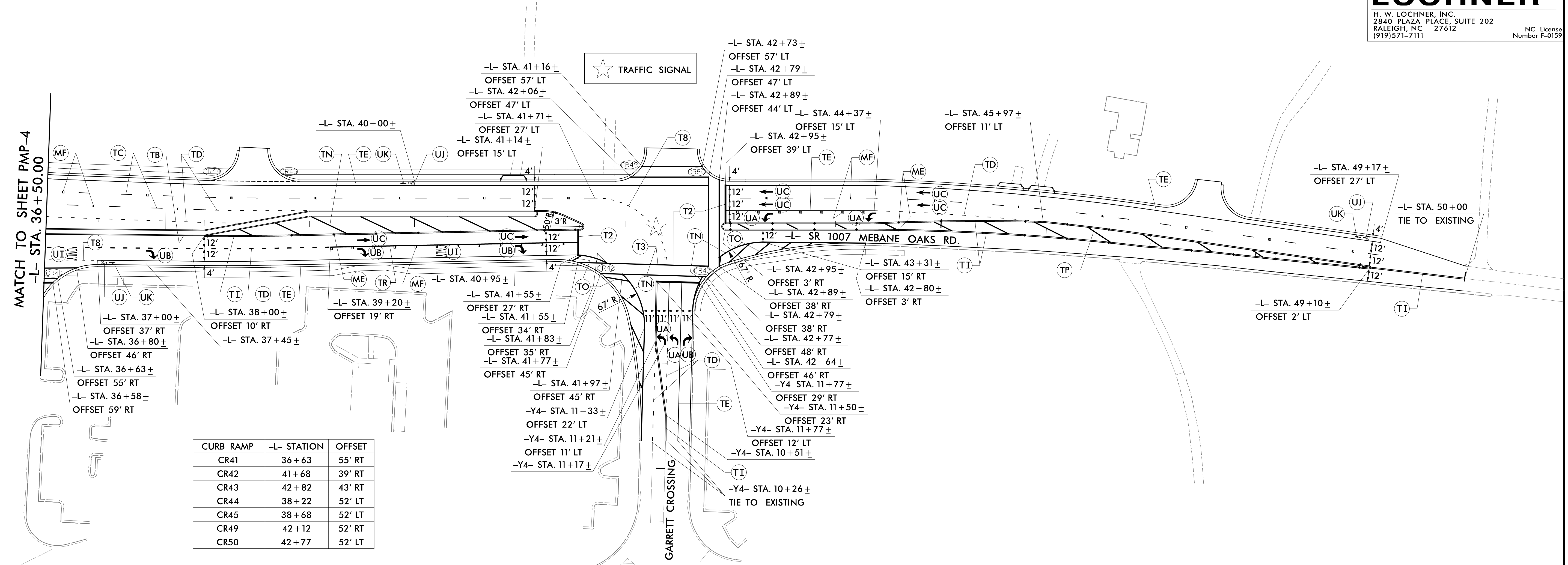
CURB RAMP	-L- STATION	OFFSET	CURB RAMP	-L- STATION	OFFSET
CR27	23+54	72' RT	CR34	33+15	60' RT
CR28	24+66	73' RT	CR35	33+78	57' RT
CR29	29+17	62' RT	CR36	34+09	49' RT
CR30	30+21	62' RT	CR37	35+82	53' RT
CR31	32+60	81' RT	CR38	36+16	52' RT
CR32	32+95	66' RT	CR39	36+36	51' RT
CR33	33+01	55' RT	CR40	33+24	54' LT

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THERMOPLASTIC PAVEMENT MARKING LEGEND			
UA	← LEFT TURN ARROW (90 MIL)	T2	WHITE STOP BAR (24", 90 MIL)
UB	↪ RIGHT TURN ARROW (90 MIL)	T3	WHITE CROSSWALK LINE (24", 90 MILS)
UC	↑ STRAIGHT ARROW (90 MIL)	TI3	3 FT - 9 FT SP WHITE MINISKIP (8", 90 MIL)
UI	ONLY ALPHANUMERIC CHARACTER (90 MIL)	TA	WHITE EDGELINE (4", 90 MIL)
UJ	🚲 BICYCLE SYMBOL, HEATED-IN-PLACE (90 MIL)	TC	10 FT SKIP (4", 90 MIL)
UK	↑ BICYCLE STRAIGHT ARROW, HEATED-IN-PLACE (90 MIL)	TD	3 FT - 9 FT SP WHITE MINISKIP (4", 90 MIL)
		TE	WHITE SOLID LANE LINE (4", 90 MIL)
		TI	YELLOW DOUBLE CENTER LINE (4", 90 MIL)
		TO	WHITE DIAGONAL (8", 90 MIL)
		TP	YELLOW DIAGONAL (8", 90 MIL)
		TR	WHITE SOLID LANE LINE (8", 90 MIL)

TIP NO. I-5711	SHEET NO. PMP-5
APPROVED: <i>Brian K. Eason</i> DATE: 12/17/2019	
SEAL SEAL 25523 BRIAN K. EASON	
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CURB RAMP	-L- STATION	OFFSET
CR41	36+63	55' RT
CR42	41+68	39' RT
CR43	42+82	43' RT
CR44	38+22	52' LT
CR45	38+68	52' LT
CR49	42+12	52' RT
CR50	42+77	52' LT


PERMANENT RAISED PAVEMENT MARKERS (SNOWPLOWABLE)	
ME	PERMANENT RAISED MARKER - YELLOW & YELLOW
MF	PERMANENT RAISED MARKER - CRYSTAL & RED

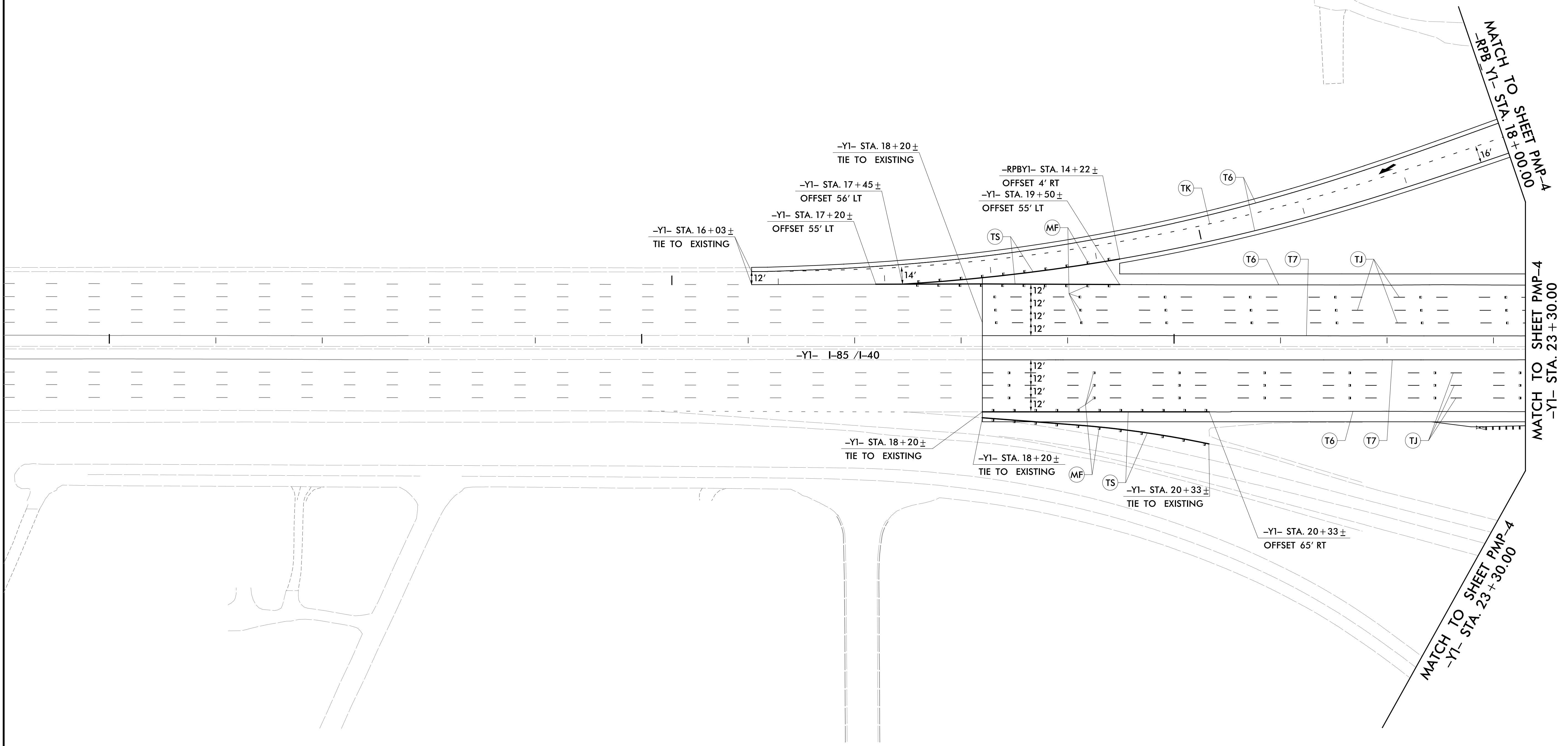
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PAVEMENT MARKING DETAIL

NAD 83/2011

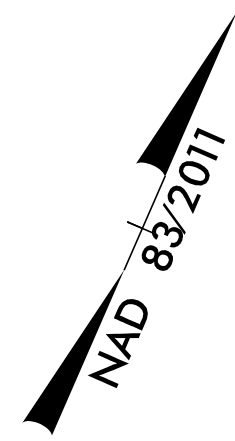
THERMOPLASTIC PAVEMENT MARKING LEGEND	
UP	MERGE ARROW (90 MIL)
T6	WHITE EDGELINE (6", 90 MIL)
T7	YELLOW EDGELINE (6", 90 MIL)
TJ	10 FT SKIP (6", 90 MIL)
TK	3 FT - 9 FT/SP WHITE MINISKIP (6", 90 MIL)
TS	WHITE GORELINE (12", 90 MIL)
PERMANENT RAISED PAVEMENT MARKERS (SNOWPLOWABLE)	
MF	PERMANENT RAISED MARKER - CRYSTAL & RED

TIP NO. I-5711	SHEET NO. PMP-6
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PAVEMENT MARKING DETAIL

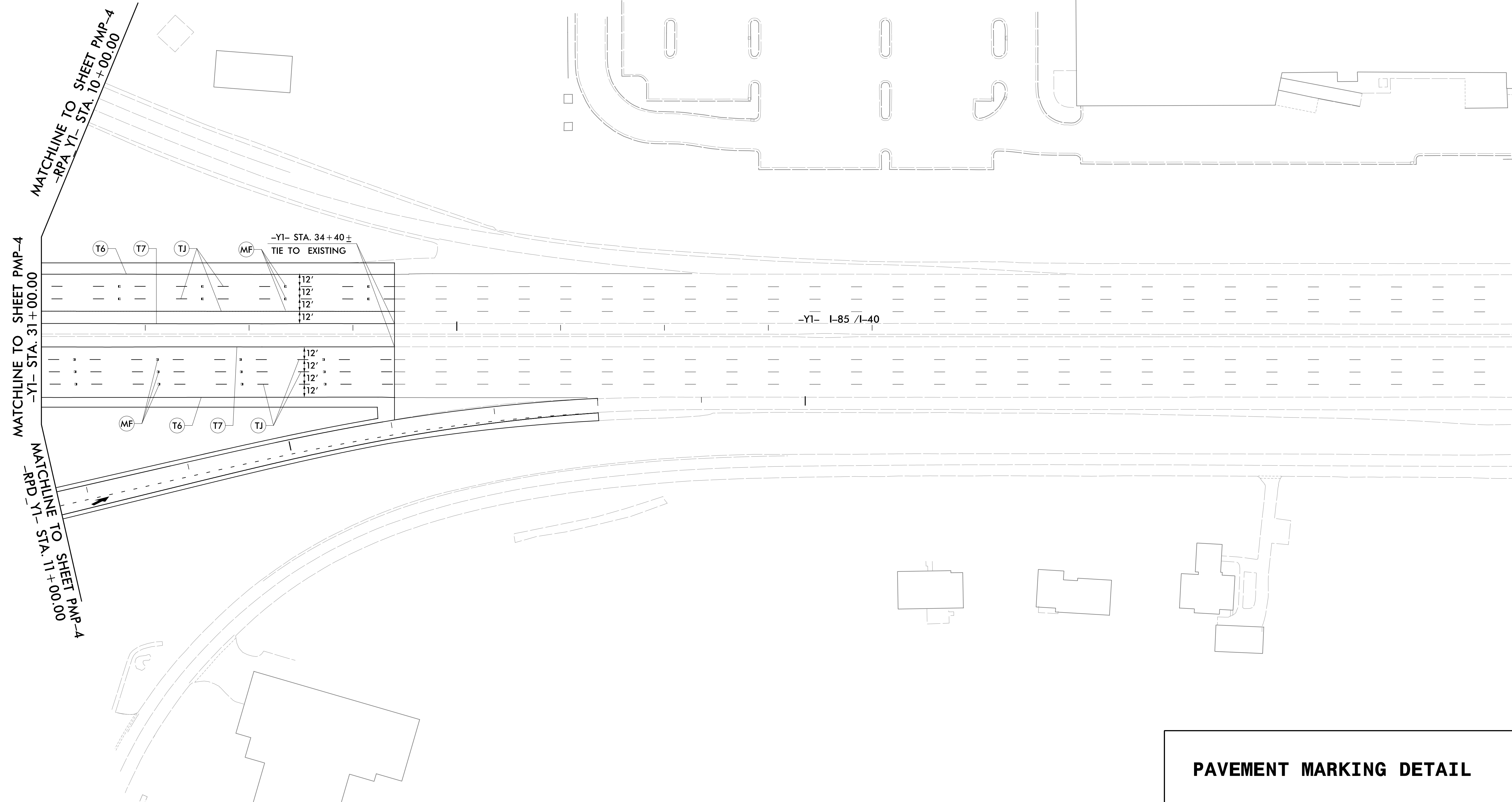
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THERMOPLASTIC PAVEMENT MARKING LEGEND	
T6	WHITE EDGELINE (6", 90 MIL)
T7	YELLOW EDGELINE (6", 90 MIL)
TJ	10 FT SKIP (6", 90 MIL)
TK	3 FT - 9 FTSP WHITE MINISKIP (6", 90 MIL)
TS	WHITE GORELINE (12", 90 MIL)

PERMANENT RAISED PAVEMENT MARKERS (SNOWPLOWABLE)	
MF	PERMANENT RAISED MARKER - CRYSTAL & RED

TIP NO. I-5711	SHEET NO. PMP-7
APPROVED:	<i>Brian K. Eason</i> 12/17/2019
DATE:	12/17/2019
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PAVEMENT MARKING DETAIL