


**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
APPROVED: DocuSigned by: Brian K. Eason -3AF015AD7AC048F-	
DATE: 2/9/2021	
	
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T.I.P.: I-5711

CONTRACT: C204352

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PMP-2A	INTERSECTION LAYOUT DETAIL
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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

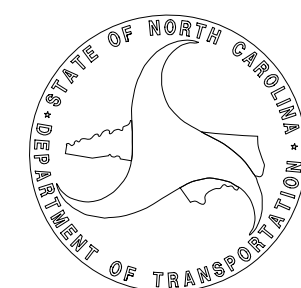
THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

- 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




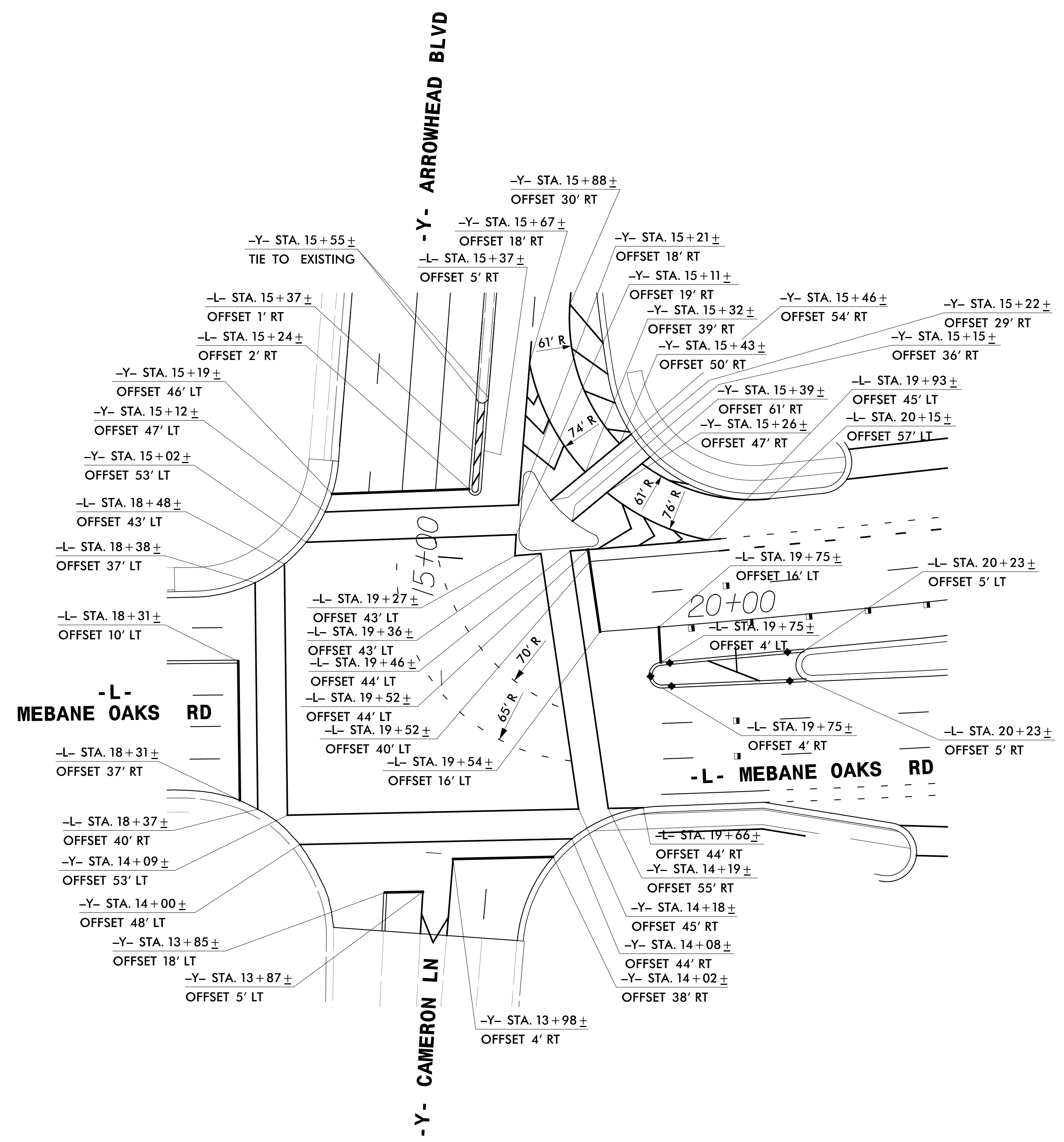
PLAN PREPARED BY:

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

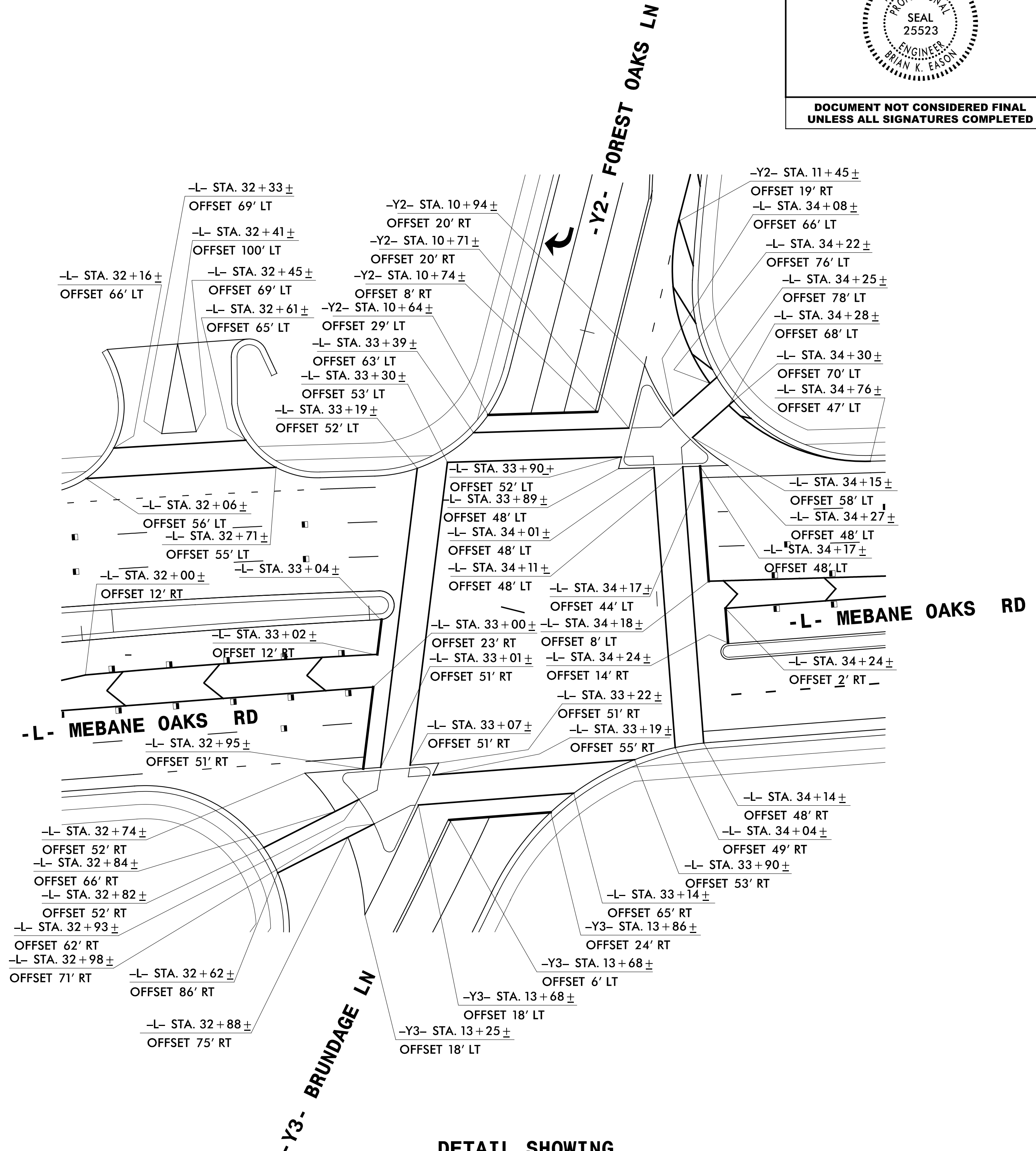
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H. W. LOCHNER, INC.
2840 PLAZA PLACE, SUITE 202
RALEIGH, NC 27612
(919)571-7111
NC License Number F-0159

TIP NO. I-5711	SHEET NO. PMP-2A
APPROVED: DATE:	Documented by: <i>Brian K. Eason</i> SAF015AD7ACCAF6 2/9/2021
SEAL	
	
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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)**

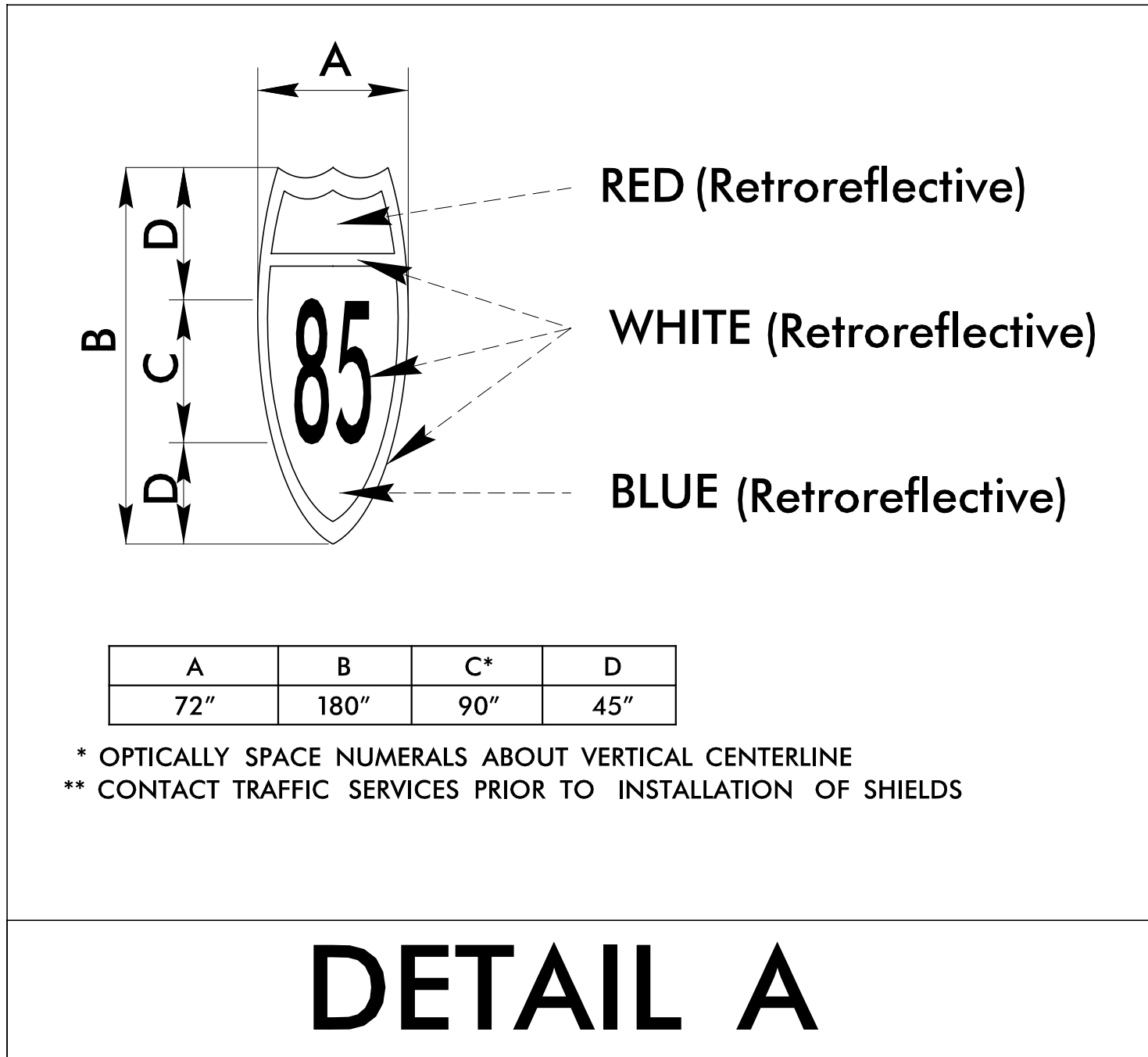


**DETAIL SHOWING
 CROSSWALK, STOP BAR AND PAINTED ISLAND LAYOUT FOR
 INTERSECTION OF -L- (MEBANE OAKS RD) AT
 -Y2- (FOREST OAKS LN) & (-Y3- (BRUNDAGE LN)**

INTERSECTION LAYOUT DETAIL

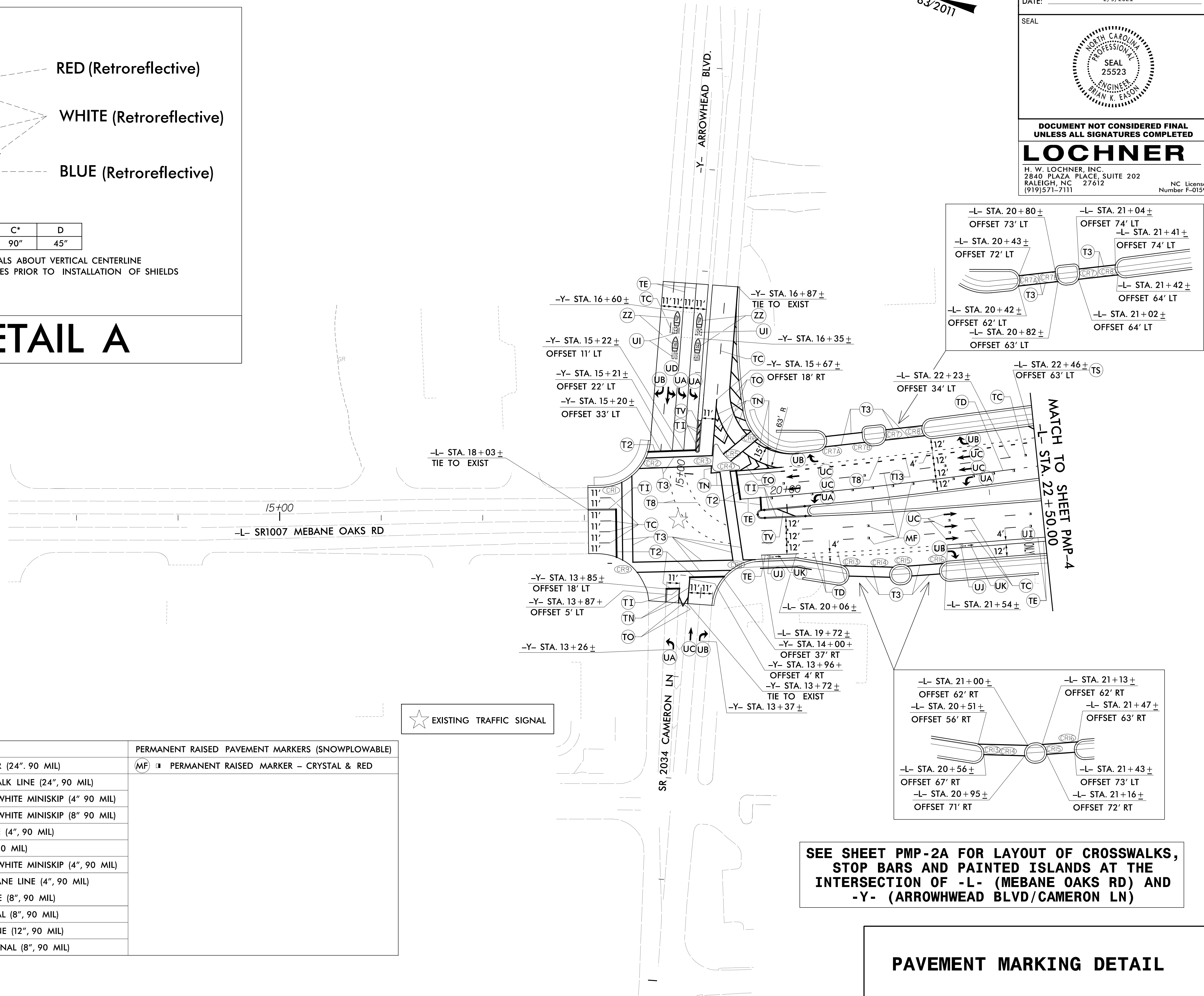
12/15/2020
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 BKINGHT

TIP NO. I-5711	SHEET NO. PMP-3
APPROVED: <i>Brian K. Eason</i> 2/9/2021	
DATE: 2/9/2021	
SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 25523 BRIAN K. EASON	
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CURB RAMP	STATION	OFFSET	TYPE
CR1	18+41	38' LT	4
CR2	18+60	57' LT	4
CR3	19+29	57' LT	ISLAND
CR4	19+44	45' LT	ISLAND
CR5	19+43	57' LT	ISLAND
CR6	19+72	78' LT	4A
CR7	20+89	68' LT	1
CR7A	20+44	67' LT	1
CR7B	20+80	68' LT	1
CR8	21+38	69' LT	1
CR9	18+44	45' RT	2A
CR11	19+47	50' RT	2A
CR13	20+56	58' RT	1
CR14	20+98	66' RT	ISLAND
CR15	21+14	67' RT	ISLAND
CR16	21+44	68' RT	1

THERMOPLASTIC PAVEMENT MARKING LEGEND		PERMANENT RAISED PAVEMENT MARKERS (SNOWPLOWABLE)	
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 MIL)
UC	STRAIGHT ARROW (90 MIL)	T8	2 FT - 6 FT/SP WHITE MINISKIP (4" 90 MIL)
UD	STRAIGHT/LEFT ARROW (90 MIL)	T13	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)
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)
		MF	PERMANENT RAISED MARKER - CRYSTAL & RED



SEE SHEET PMP-2A 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

12/15/2020
PMP-3.dwg
BRIAN K. EASON

CURB RAMP	-L- STATION	OFFSET	TYPE
CR17	24+06	74' LT	2A
CR18	29+22	62' LT	2A
CR19	30+37	62' LT	1
CR20	32+12	61' LT	1
CR21	32+65	60' LT	1
CR22	33+25	56' LT	2A
CR23	33+93	57' LT	ISLAND
CR24	34+06	49' LT	ISLAND
CR25	34+11	61' LT	ISLAND
CR26	34+27	34' LT	2A
CR46	23+06	74' LT	1
CR47	35+37	54' LT	2A
CR48	35+72	54' LT	1

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)	(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)	(T6) WHITE EDGELINE (6", 90 MIL)
(UD) STRAIGHT/LEFT ARROW (90 MIL)	(T7) YELLOW EDGELINE (6", 90 MIL)
(UE) STRAIGHT/RIGHT ARROW (90 MIL)	(T8) 2 FT - 6 FT/SP WHITE MINISKIP (4", 90 MIL)
(UJ) BICYCLE SYMBOL, HEATED-IN-PLACE (90 MIL)	(T13) 3 FT - 9 FT/SP WHITE MINISKIP (8", 90 MIL)
(UK) BICYCLE STRAIGHT ARROW, HEATED-IN-PLACE (90 MIL)	(TA) WHITE EDGELINE (4", 90 MIL)
(UP) MERGE ARROW, HEATED-IN-PLACE (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

APPROVED: *Brian K. Eason*
REGISTERED PROFESSIONAL ENGINEER
 STATE OF NORTH CAROLINA
 2/9/2021

DATE: 2/9/2021

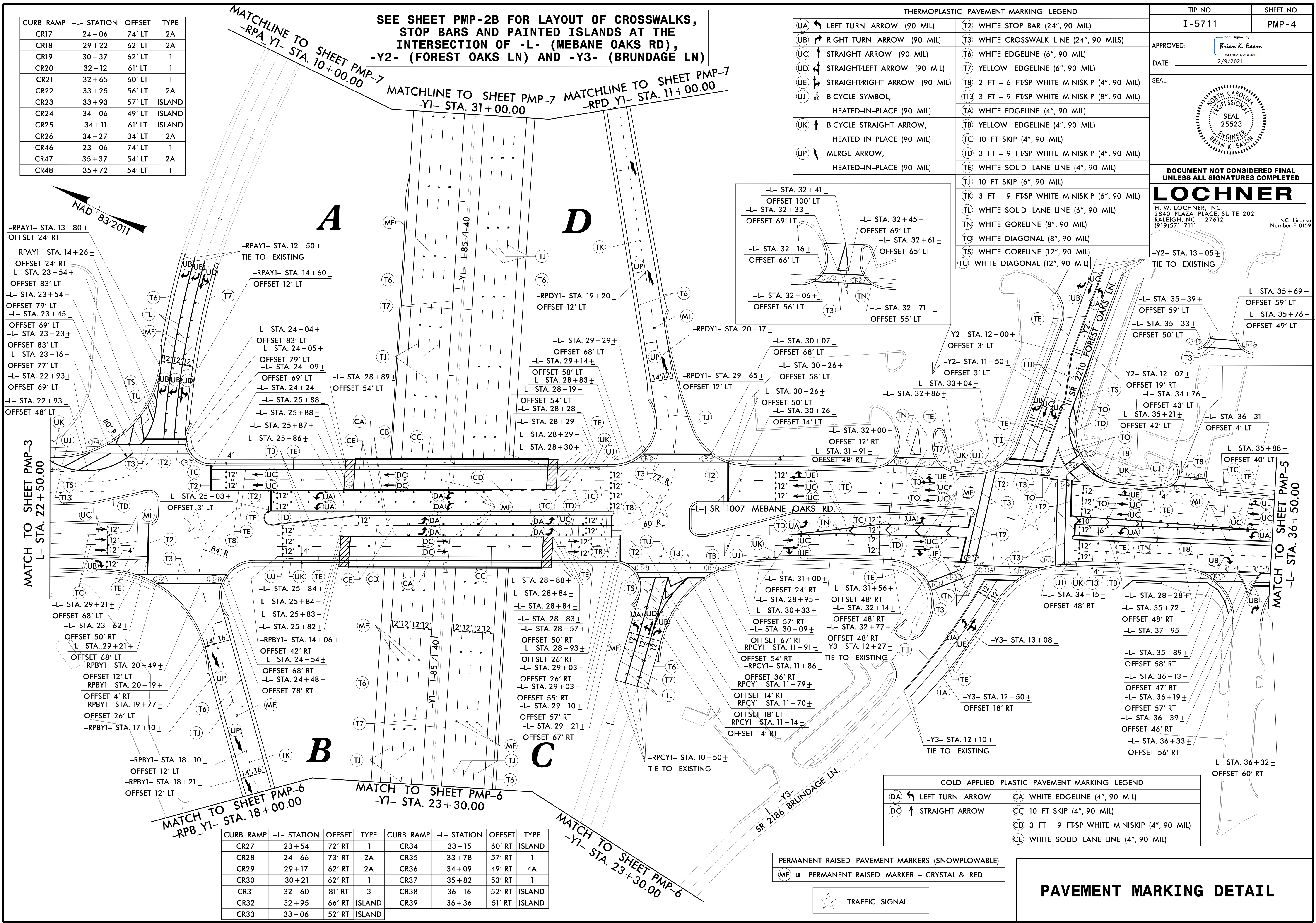
SEAL

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 RALEIGH, NC 27612
 (919)571-7111

NC License Number F-0159



COLD APPLIED PLASTIC PAVEMENT MARKING LEGEND	
(DA) LEFT TURN ARROW	(CA) WHITE EDGELINE (4", 90 MIL)
(DC) STRAIGHT ARROW	(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

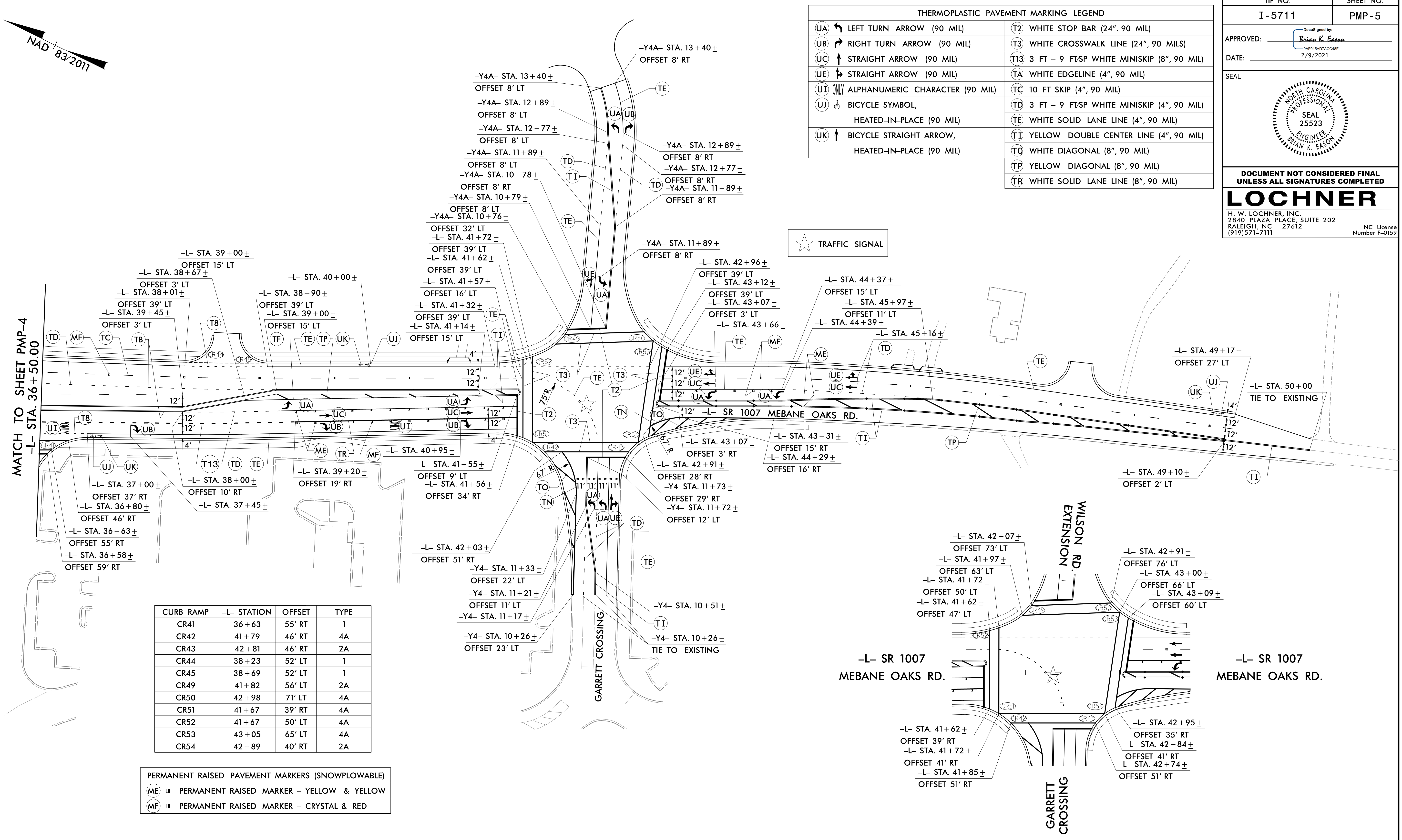
CURB RAMP	-L- STATION	OFFSET	TYPE	CURB RAMP	-L- STATION	OFFSET	TYPE
CR27	23+54	72' RT	1	CR34	33+15	60' RT	ISLAND
CR28	24+66	73' RT	2A	CR35	33+78	57' RT	1
CR29	29+17	62' RT	2A	CR36	34+09	49' RT	4A
CR30	30+21	62' RT	1	CR37	35+82	53' RT	1
CR31	32+60	81' RT	3	CR38	36+16	52' RT	ISLAND
CR32	32+95	66' RT	ISLAND	CR39	36+36	51' RT	ISLAND
CR33	33+06	52' RT	ISLAND				

12/15/2020
 PMP-04.dgn
 BRIGHT



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)	T13	3 FT - 9 FT SP WHITE MINISKIP (8", 90 MIL)
UE	STRAIGHT ARROW (90 MIL)	TA	WHITE EDGELINE (4", 90 MIL)
UI	ONLY ALPHANUMERIC CHARACTER (90 MIL)	TC	10 FT SKIP (4", 90 MIL)
UJ	BICYCLE SYMBOL, HEATED-IN-PLACE (90 MIL)	TD	3 FT - 9 FT SP WHITE MINISKIP (4", 90 MIL)
UK	BICYCLE STRAIGHT ARROW, HEATED-IN-PLACE (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>	DocuSigned by: <i>Brian K. Eason</i>
DATE: 2/9/2021	DATE: 2/9/2021
SEAL	
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p>LOCHNER</p> <p>H. W. LOCHNER, INC. 2840 PLAZA PLACE, SUITE 202 RALEIGH, NC 27612 (919)571-7111</p> <p>NC License Number F-0159</p>	



MATCH TO SHEET PMP-4
-L- STA. 36+50.00

CURB RAMP	-L- STATION	OFFSET	TYPE
CR41	36+63	55' RT	1
CR42	41+79	46' RT	4A
CR43	42+81	46' RT	2A
CR44	38+23	52' LT	1
CR45	38+69	52' LT	1
CR49	41+82	56' LT	2A
CR50	42+98	71' LT	4A
CR51	41+67	39' RT	4A
CR52	41+67	50' LT	4A
CR53	43+05	65' LT	4A
CR54	42+89	40' RT	2A

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

★ TRAFFIC SIGNAL

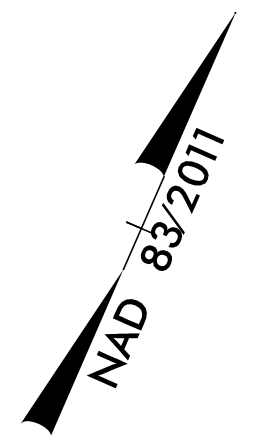
-L- SR 1007
MEBANE OAKS RD.

WILSON RD.
EXTENSION

-L- SR 1007
MEBANE OAKS RD.

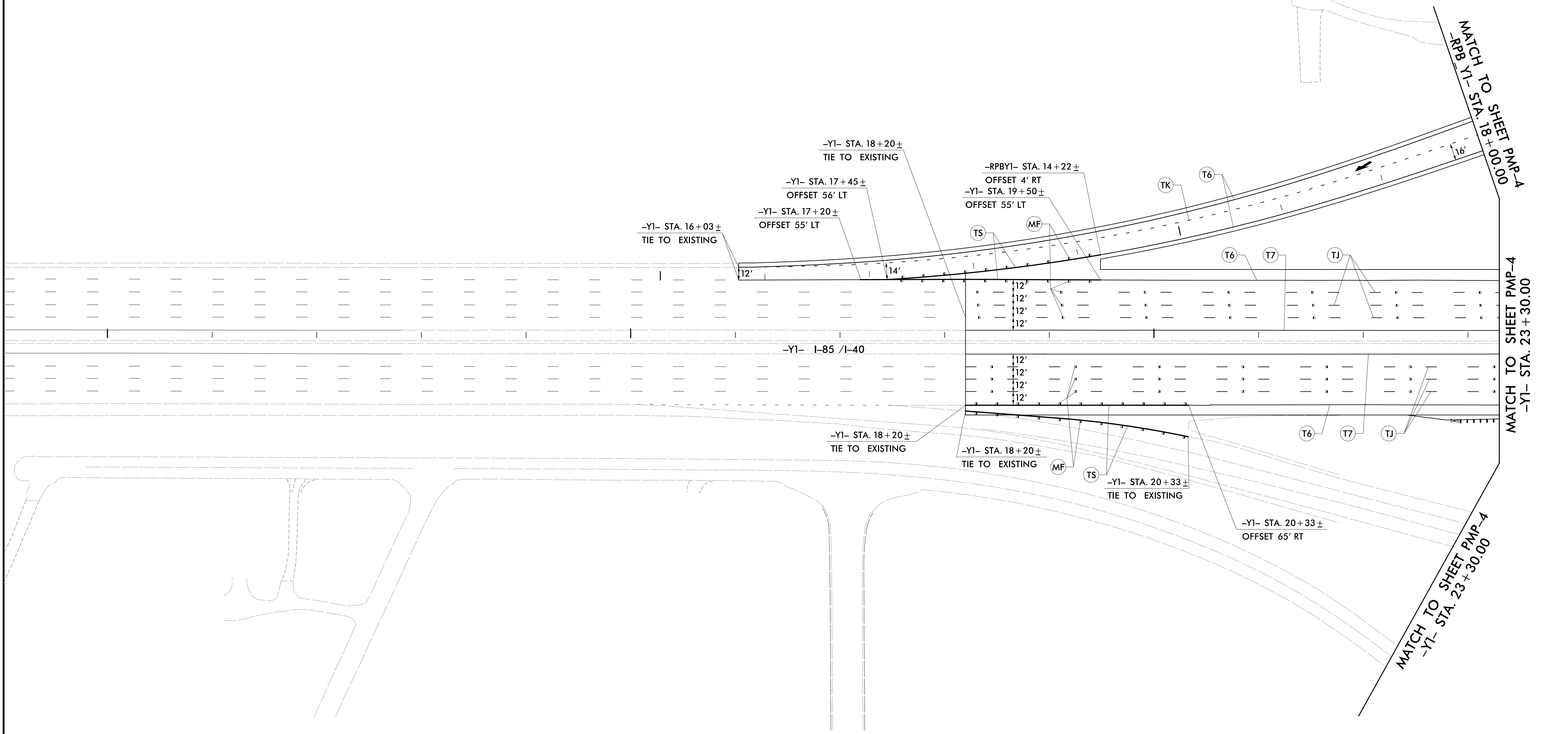
CROSSWALK PAVEMENT
MARKING LOCATIONS

PAVEMENT MARKING DETAIL



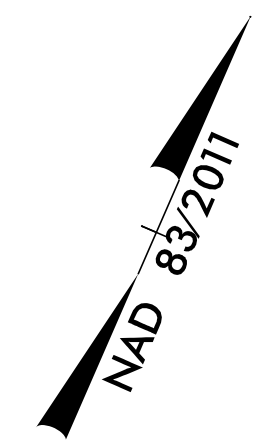
THERMOPLASTIC PAVEMENT MARKING LEGEND	
(UP) ←	MERGE ARROW (90 MIL)
(T6)	WHITE EDGELINE (6", 90 MIL)
(T7)	YELLOW EDGELINE (6", 90 MIL)
(TJ)	10 FT SKIP (6", 90 MIL)
(TK)	3 FT - 9 FT/SP WHITE MINISKIP (6", 90 MIL)
(TS)	WHITE GORELINE (12", 90 MIL)
PERMANENT RAISED PAVEMENT MARKERS (SNOWPLOWABLE)	
(MF) ■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

TIP NO. I-5711	SHEET NO. PMP-6
APPROVED: <i>Brian K. Eason</i>	DESIGNED BY: <i>Brian K. Eason</i>
DATE: 2/9/2021	
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p>LOCHNER</p> <p>H. W. LOCHNER, INC. 2840 PLAZA PLACE, SUITE 202 RALEIGH, NC 27612 (919)571-7111</p> <p style="text-align: right;">NC License Number F-0159</p>	



12/15/2020
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BRNIGHT

PAVEMENT MARKING DETAIL

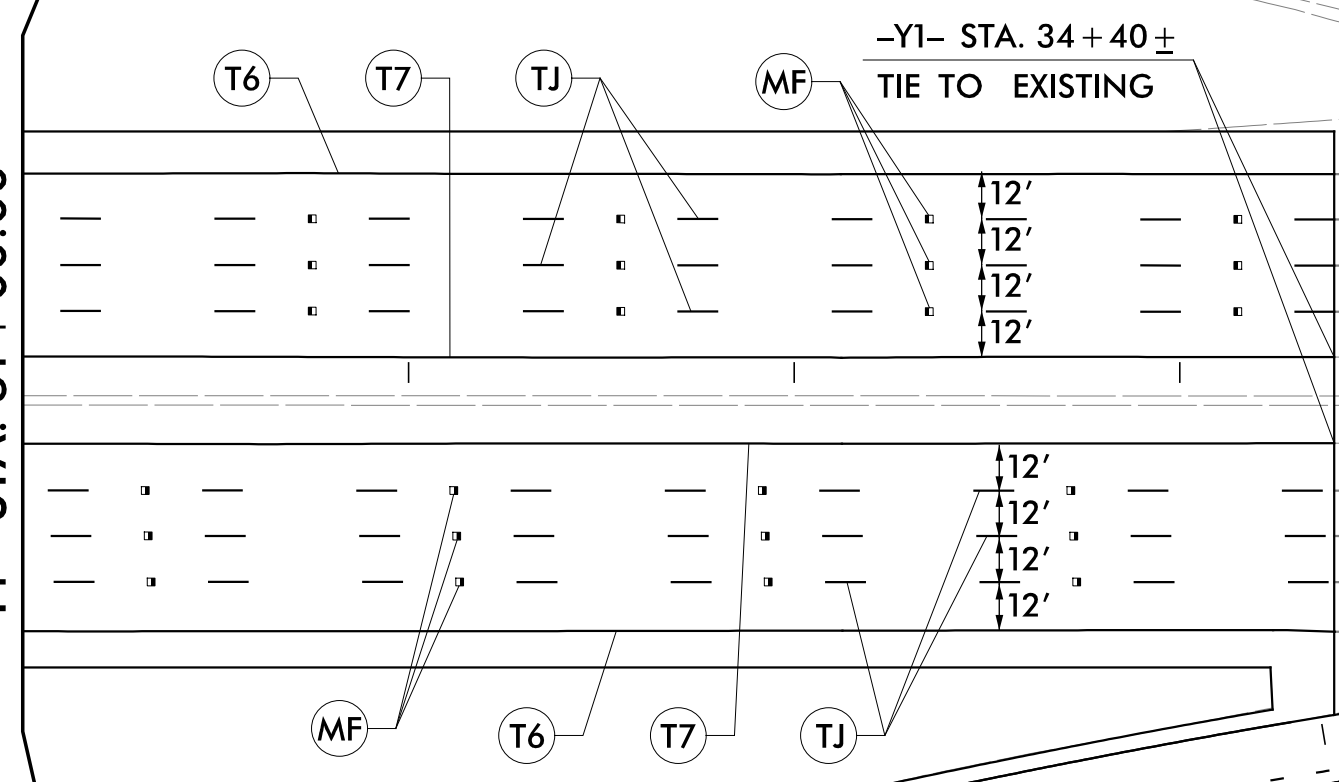


THERMOPLASTIC PAVEMENT MARKING LEGEND	
T6	WHITE EDGELINE (6", 90 MIL)
T7	YELLOW EDGELINE (6", 90 MIL)
TJ	10 FT SKIP (6", 90 MIL)
TK	3 FT - 9 FTSP WHITE MINISKIP (6", 90 MIL)
TS	WHITE GORELINE (12", 90 MIL)

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

TIP NO. I-5711	SHEET NO. PMP-7
APPROVED:	DocuSigned by: <i>Brian K. Eason</i> BAP015AD7ACC48F
DATE:	2/9/2021
SEAL	
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<small>NC License Number F-0159</small>	

MATCHLINE TO SHEET PMP-4
 -RPA Y1- STA. 10+00.00
 MATCHLINE TO SHEET PMP-4
 -Y1- STA. 31+00.00
 MATCHLINE TO SHEET PMP-4
 -RPD Y1- STA. 11+00.00



-Y1- I-85 /I-40

12/15/2020
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 BKINGHT

PAVEMENT MARKING DETAIL