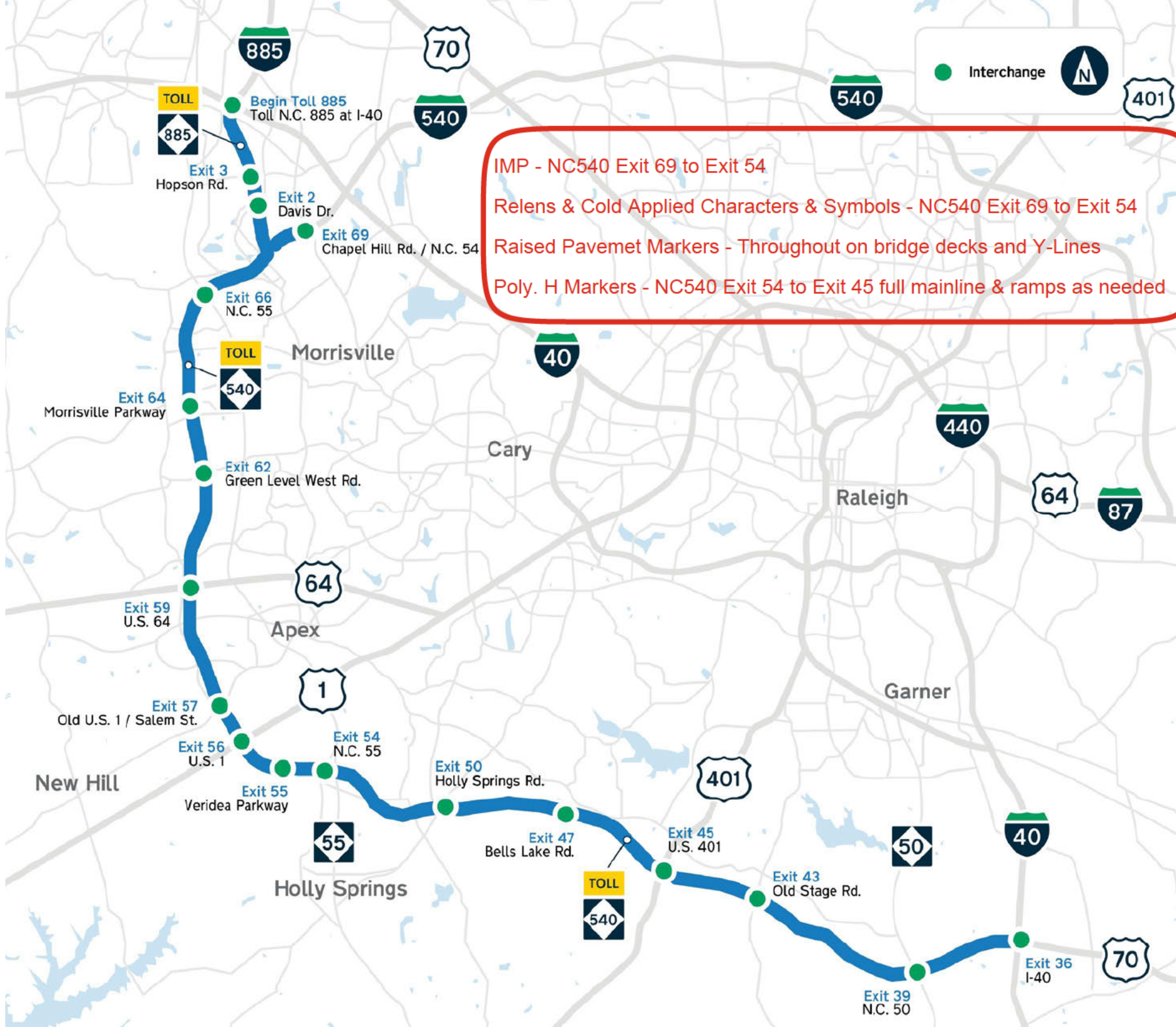


**This electronic collection of documents is provided  
for the convenience of the user  
and is Not a Certified Document –**

**The documents contained herein were originally issued  
and sealed by the individuals whose names and license  
numbers appear on each page, on the dates appearing  
with their signature on that page.**

**This file or an individual page  
shall not be considered a certified document.**



IMP - NC540 Exit 69 to Exit 54

Relens & Cold Applied Characters & Symbols - NC540 Exit 69 to Exit 54

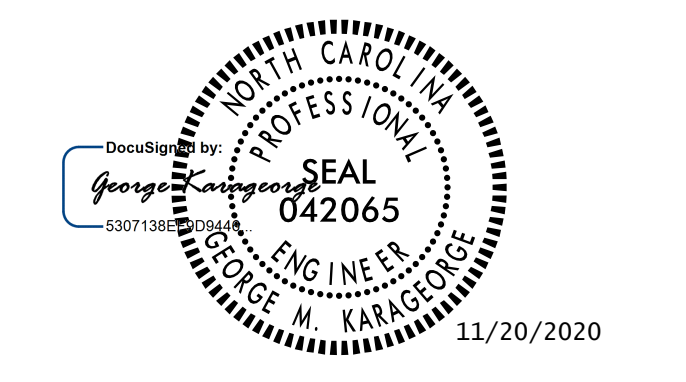
Raised Pavemet Markers - Throughout on bridge decks and Y-Lines

Poly. H Markers - NC540 Exit 54 to Exit 45 full mainline & ramps as needed

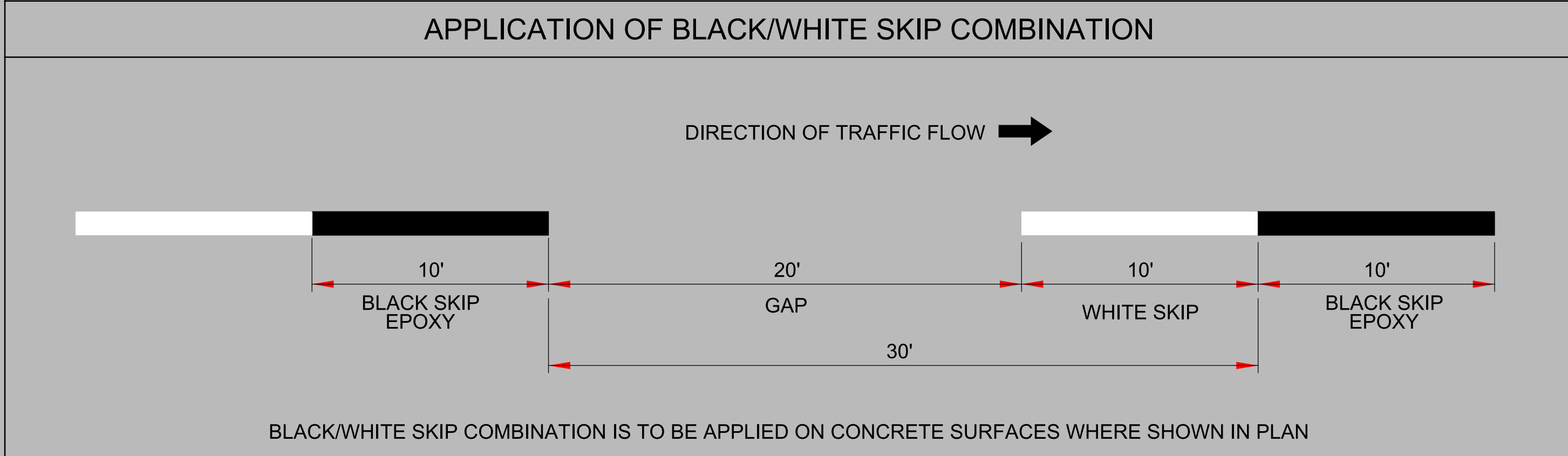
**The following collection of documents is provided  
for the convenience of the user  
and is Not a Certified Document  
nor complete plan set**

**The documents contained herein were originally issued  
and sealed by the individuals whose names and license  
numbers appear on each page, on the dates appearing  
with their signature on that page.**

**The following pages are provided **solely for  
the purpose of location and spacing details  
as it pertains to proposal **ME00121 - NCTA  
Pavement Marking and Marker.******



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

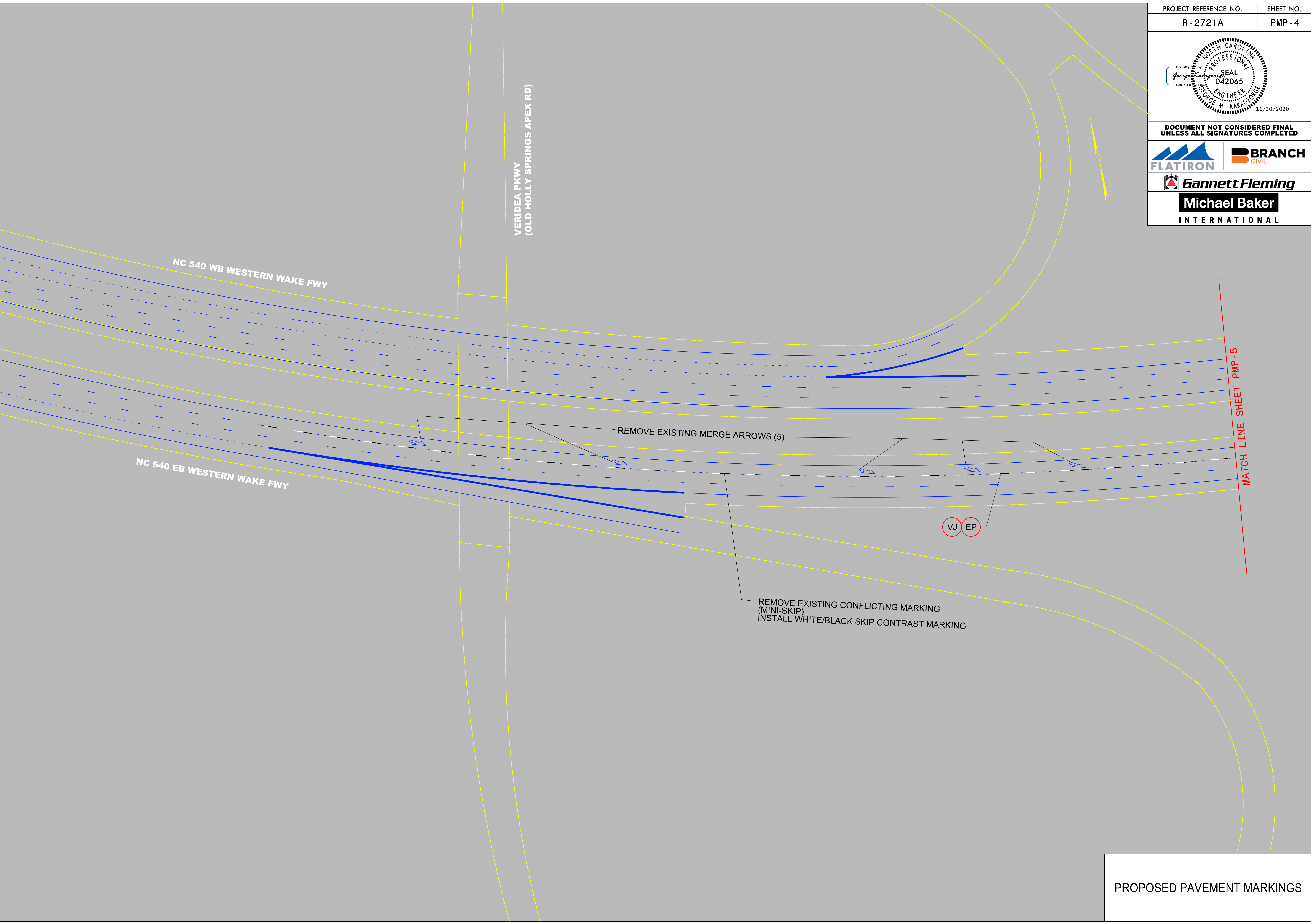


11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 03 PM BW SKIP COMBO DETAIL.dgn  
 B:\gfm\ackenzie

BLACK/WHITE SKIP COMBINATION  
PAVEMENT MARKING  
DETAIL



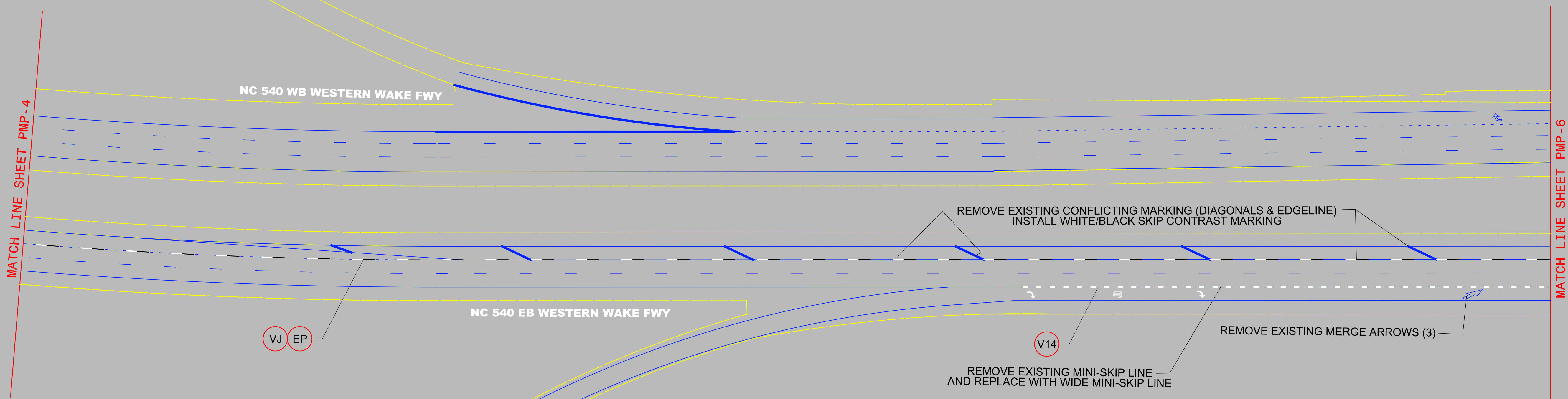
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\ Pavement Marking\PLAN SHEETS\R-2721A PMP\_04.dgn  
B:\gfl-mackenzie

PROPOSED PAVEMENT MARKINGS

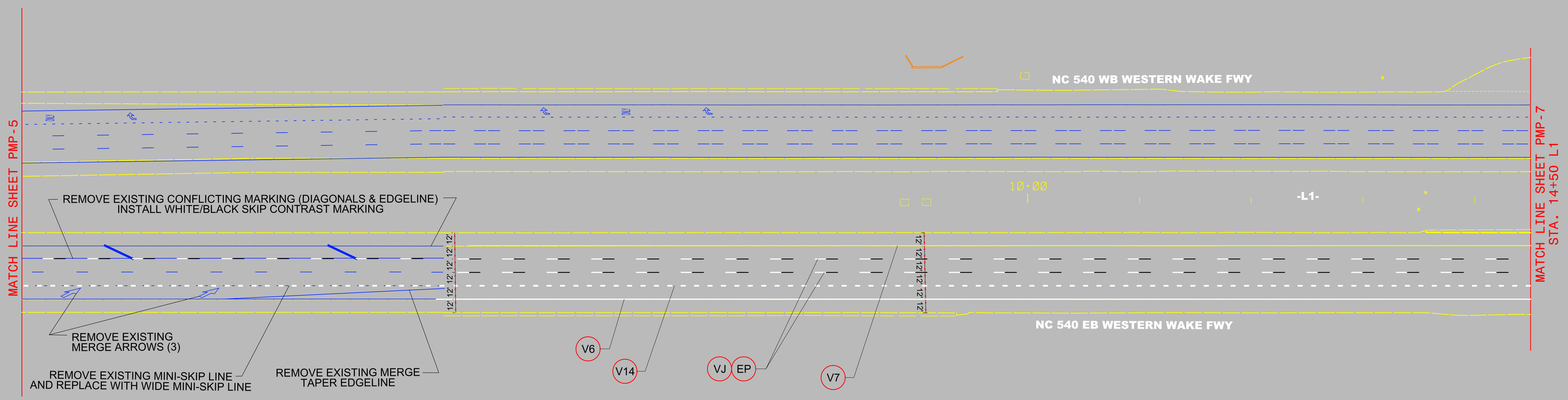
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-5
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PROPOSED PAVEMENT MARKINGS

11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 05.dgn  
B:\GFM\ackenzie

PROJECT REFERENCE NO. R-2721A	SHEET NO. PMP-6
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
<b>Michael Baker</b> INTERNATIONAL	

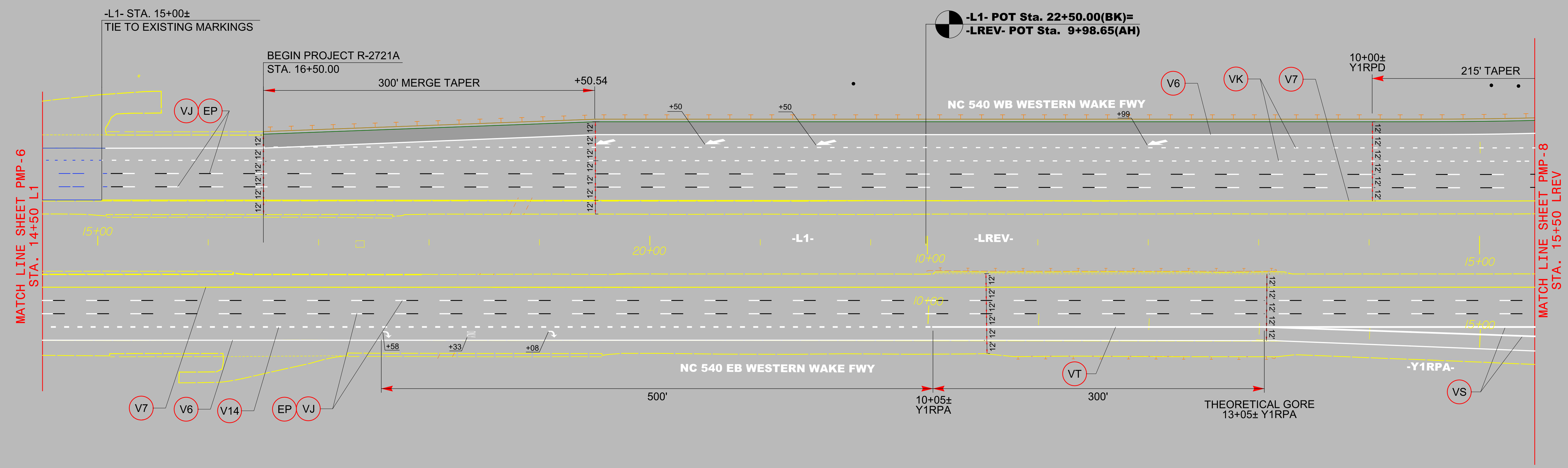


PROPOSED PAVEMENT MARKINGS

11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 06.dgn  
B:\gfm\ackenzie



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

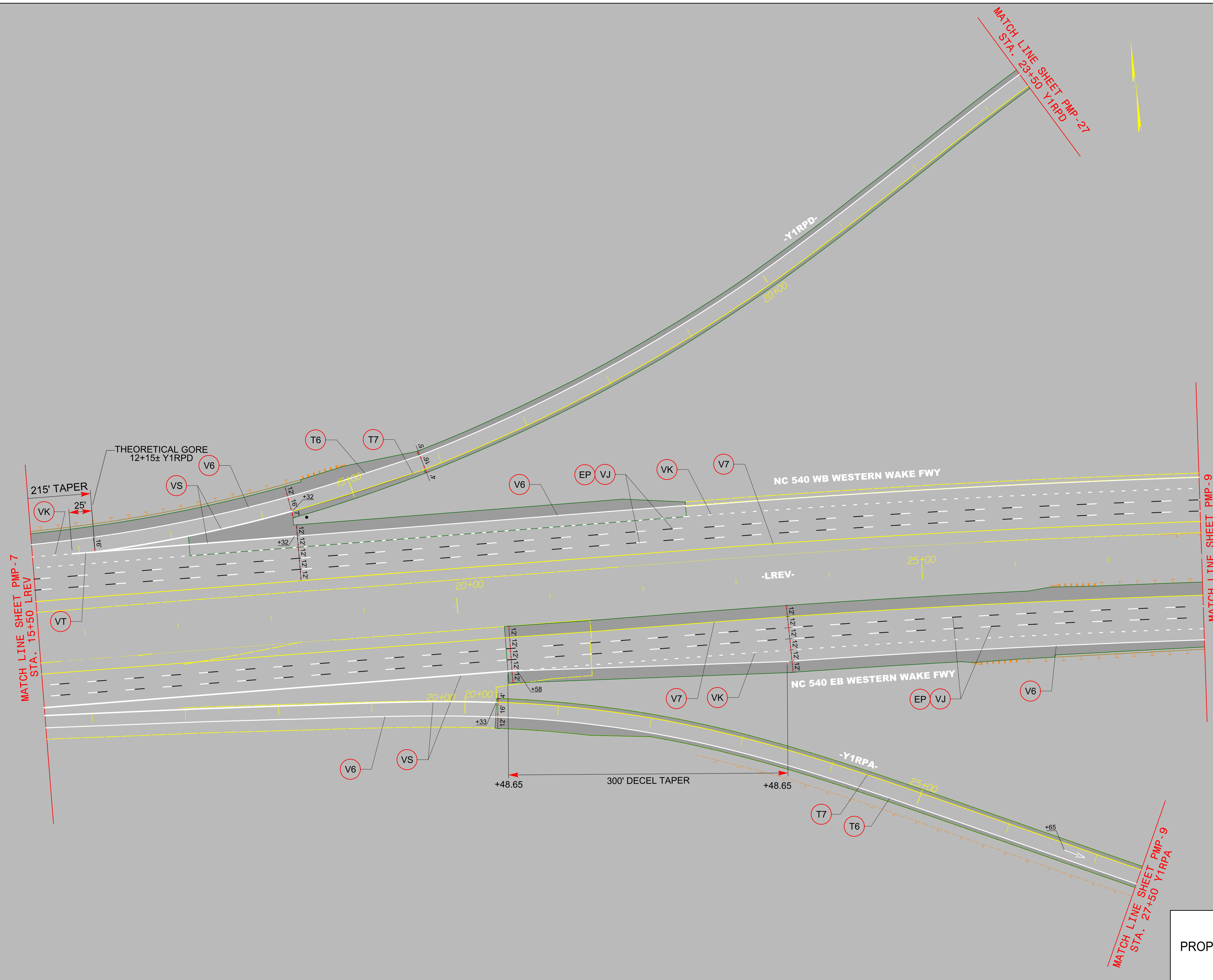


11/19/2020 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 07.dgn B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP-08.dgn  
 Birtg-Mackenzie

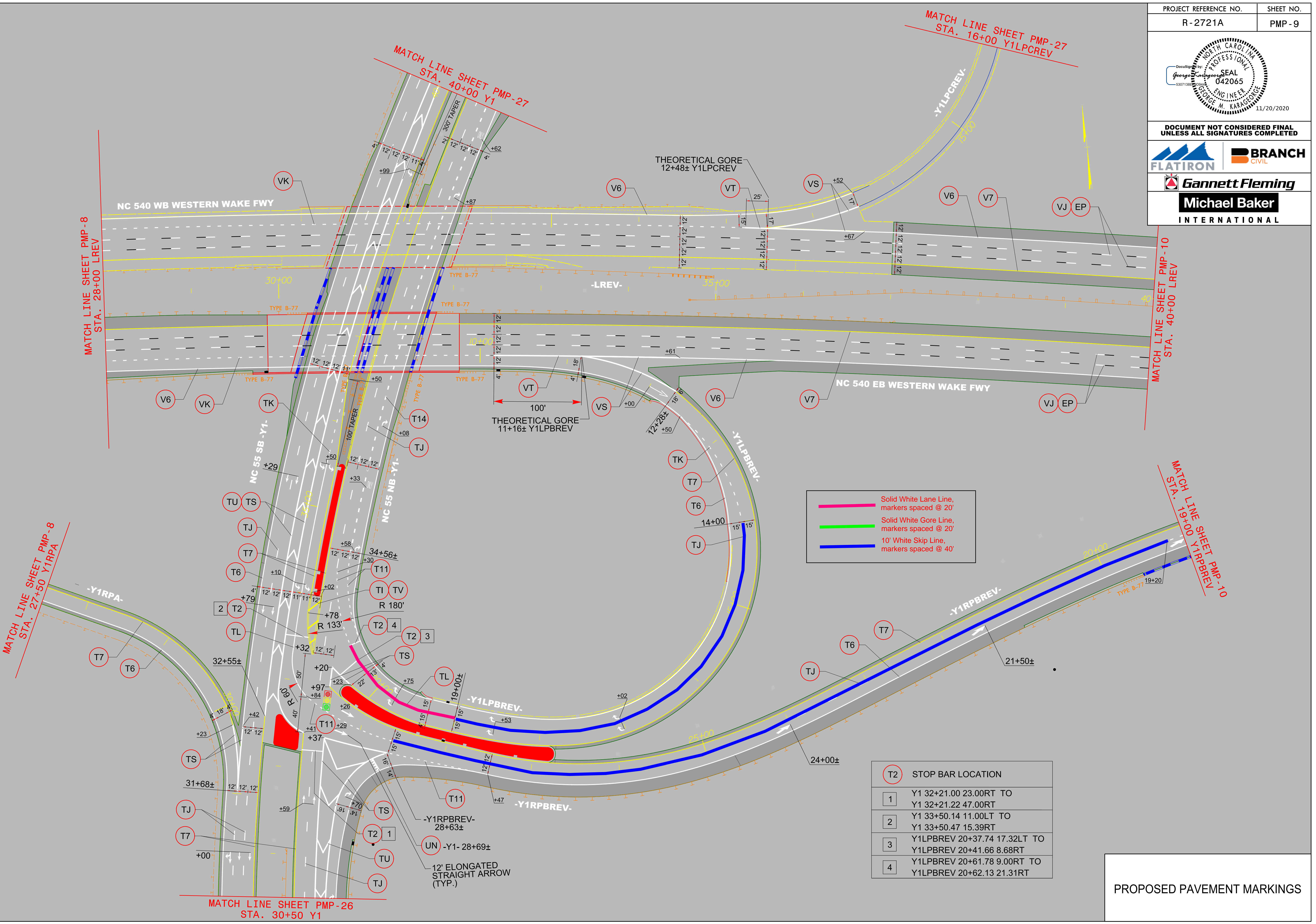
PROPOSED PAVEMENT MARKINGS



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



Michael Baker INTERNATIONAL



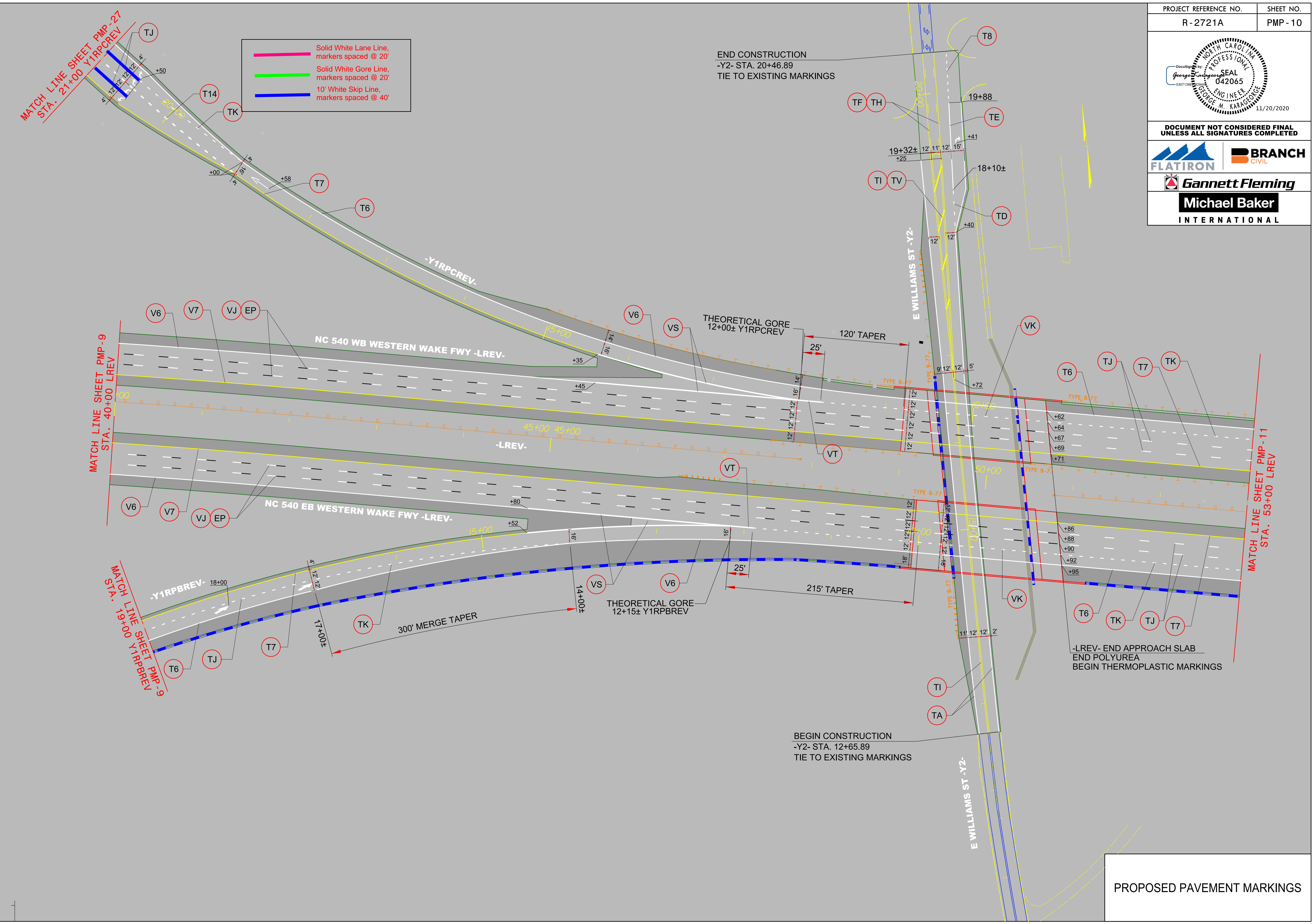
— Solid White Lane Line, markers spaced @ 20'  
— Solid White Gore Line, markers spaced @ 20'  
— 10' White Skip Line, markers spaced @ 40'

T2	STOP BAR LOCATION
1	Y1 32+21.00 23.00RT TO Y1 32+21.22 47.00RT
2	Y1 33+50.14 11.00LT TO Y1 33+50.47 15.39RT
3	Y1LPBREV 20+37.74 17.32LT TO Y1LPBREV 20+41.66 8.68RT
4	Y1LPBREV 20+61.78 9.00RT TO Y1LPBREV 20+62.13 21.31RT

PROPOSED PAVEMENT MARKINGS

11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 09.dgn  
 B:\glf\Mackenzie

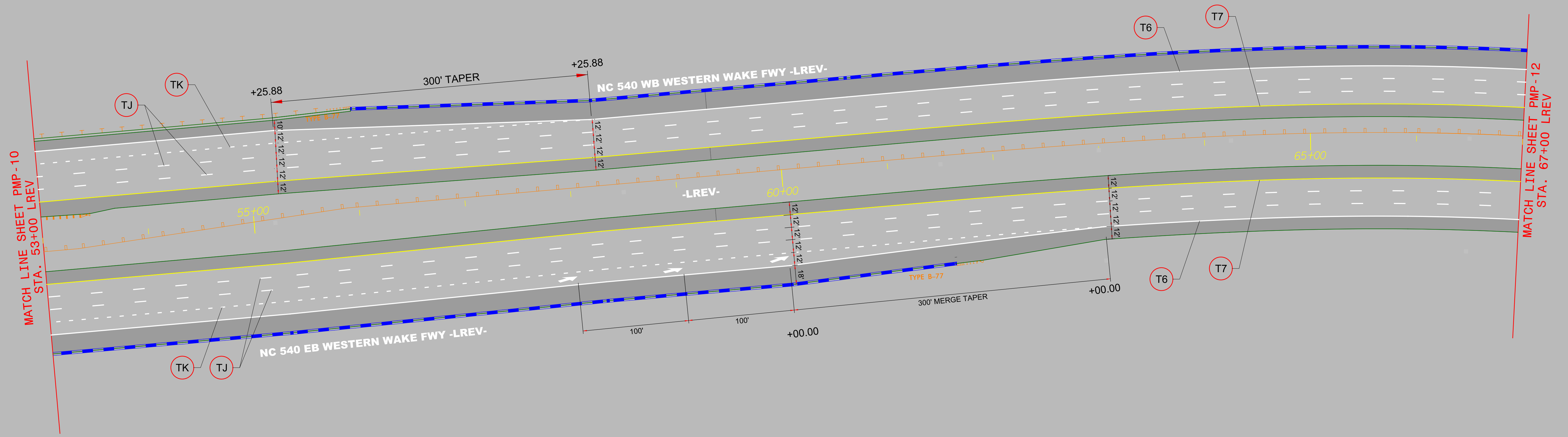
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-10
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
<b>Michael Baker INTERNATIONAL</b>	



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 10.dgn  
B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

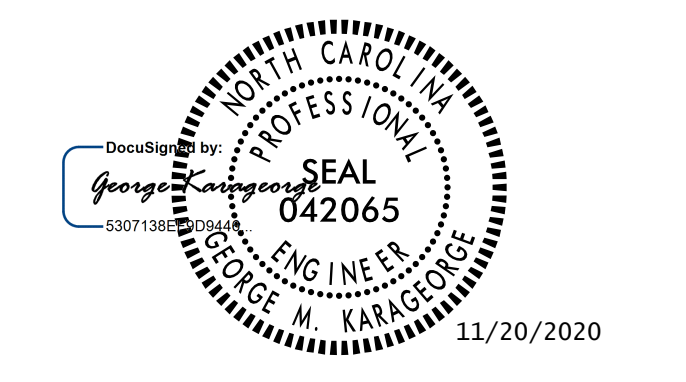
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-11
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



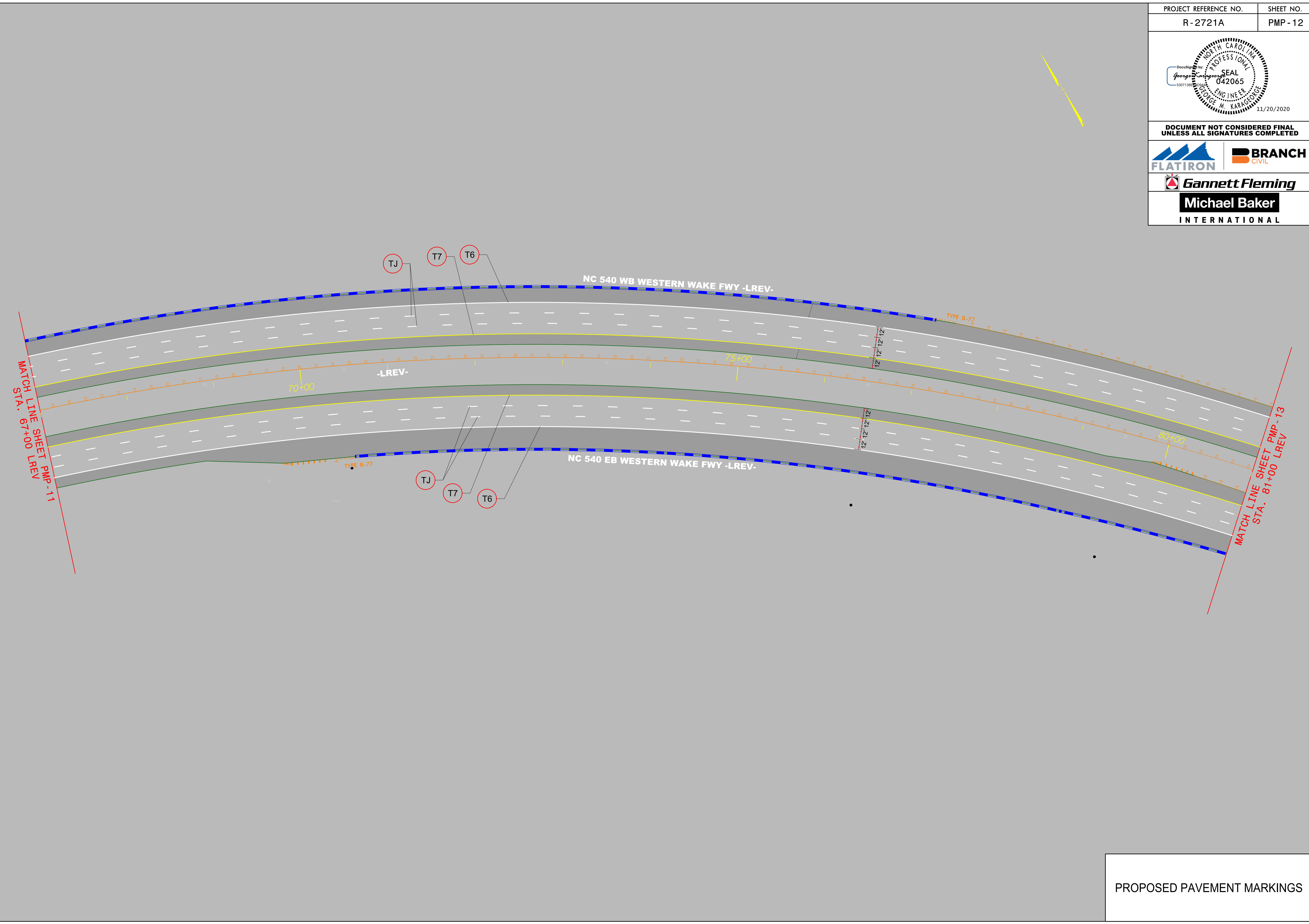
11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 11.dgn  
 Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-12



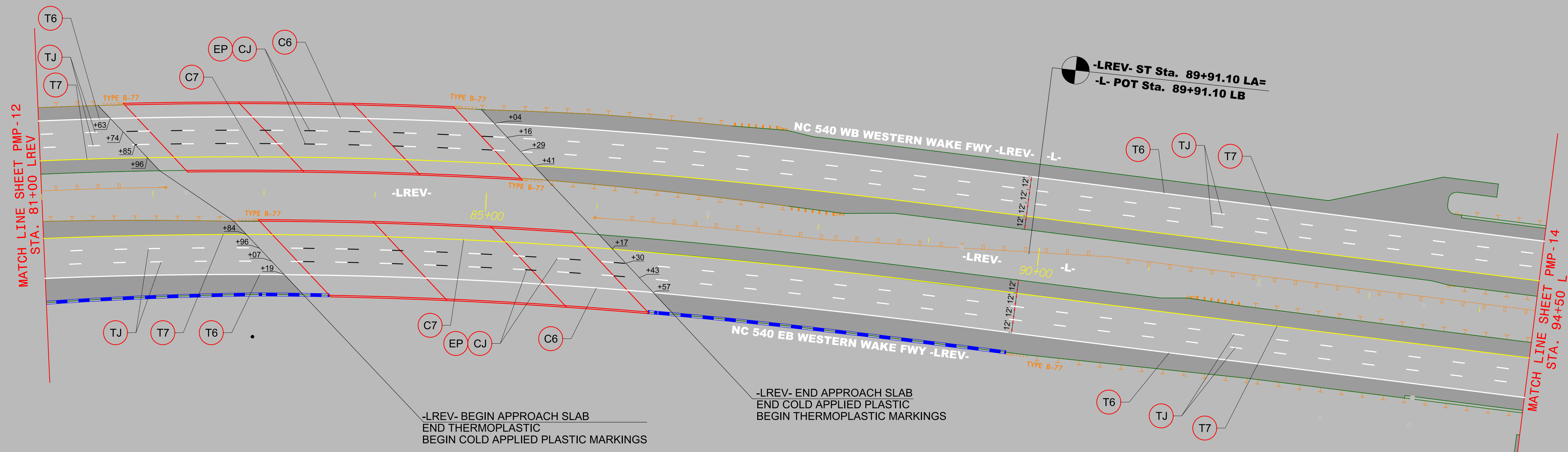
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 12.dgn  
Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-13
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

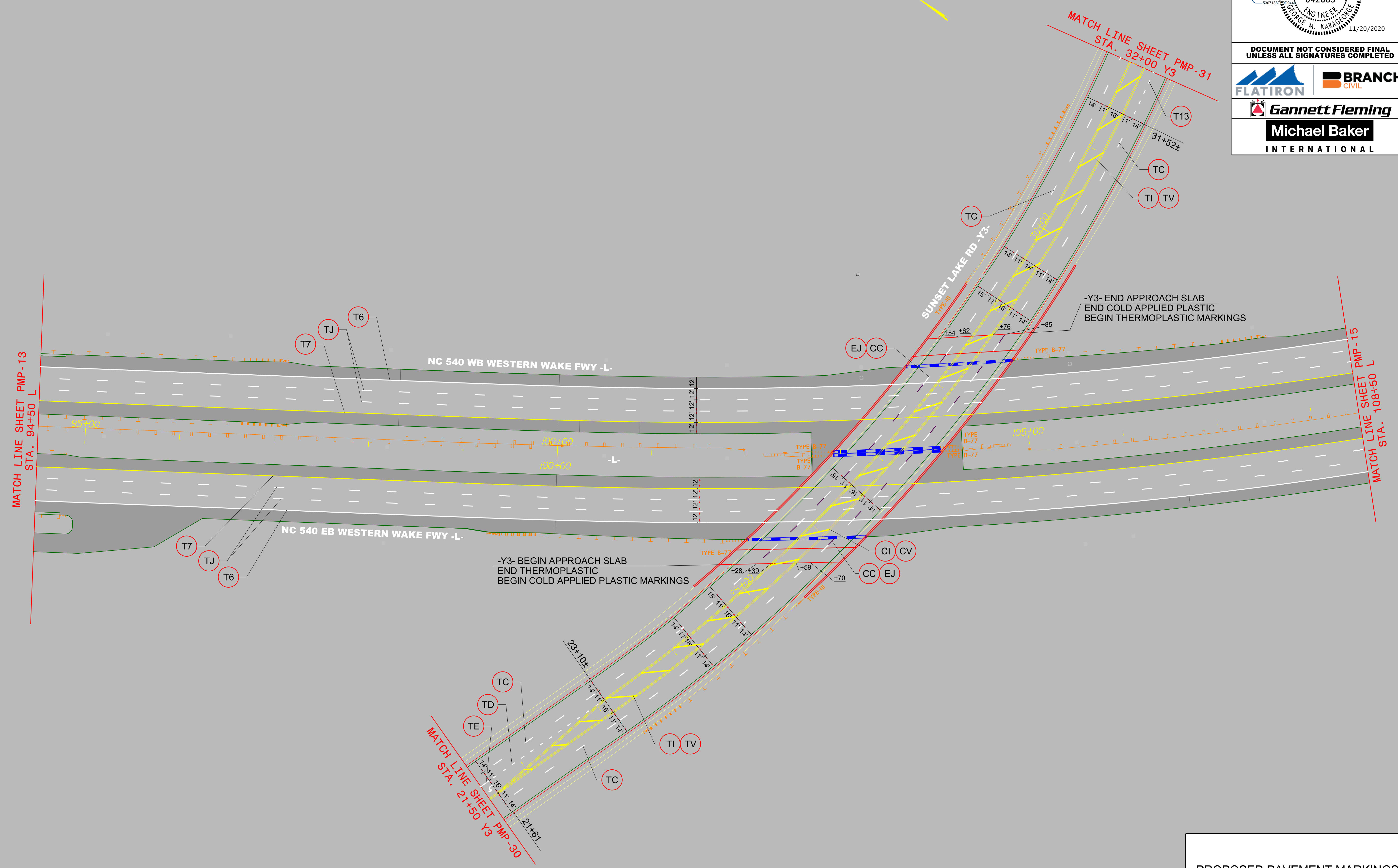


11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 13.dgn  
Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS

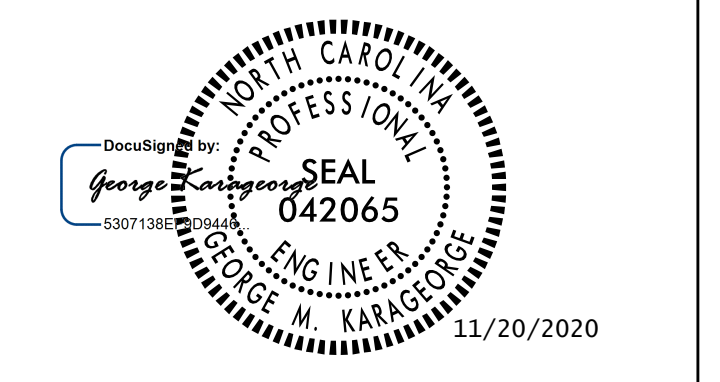


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 14.dgn  
B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

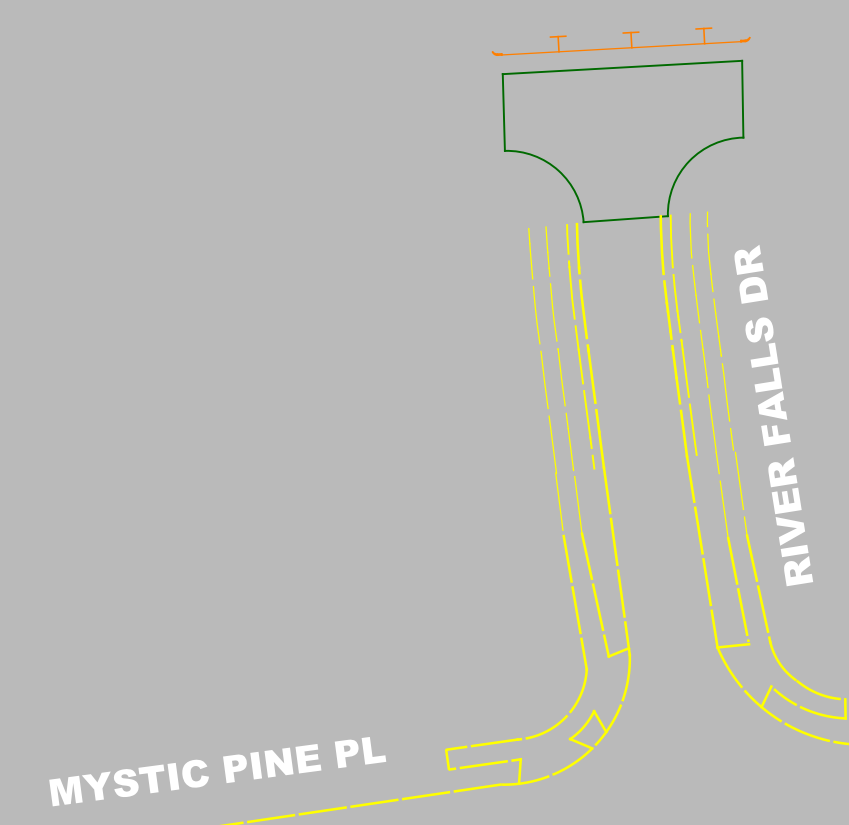
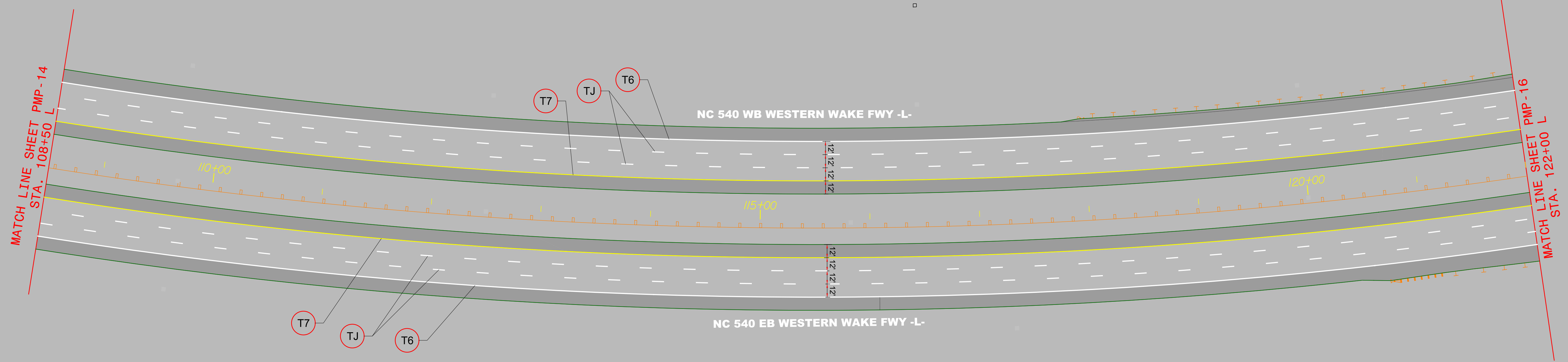


DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



CURB RAMP LOCATIONS  
(CENTER OF RAMP AT BACK OF CURB)  
CR-52 INSTALL AS SHOWN STANDARD

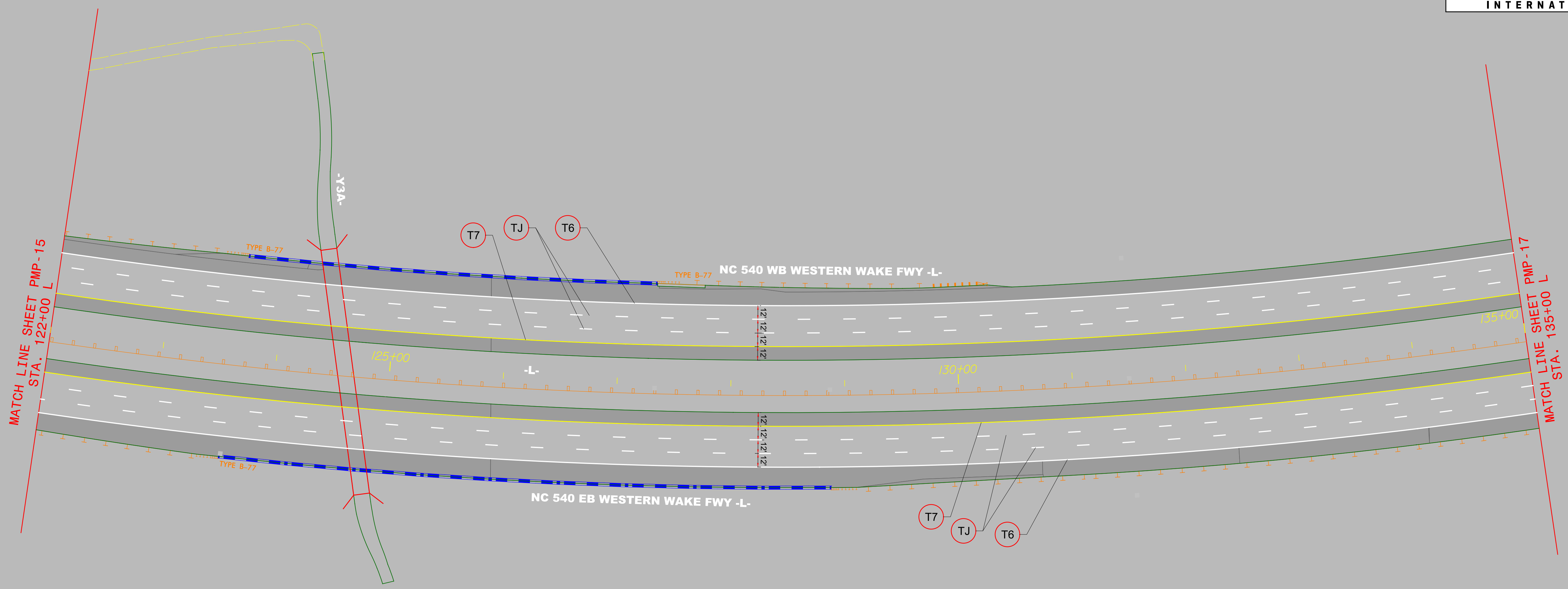
RIVER FALLS DR DOES NOT HAVE AN  
ALIGNMENT.  
INSTALL CURB RAMP ADJACENT TO  
PROPOSED C&G



PROPOSED PAVEMENT MARKINGS



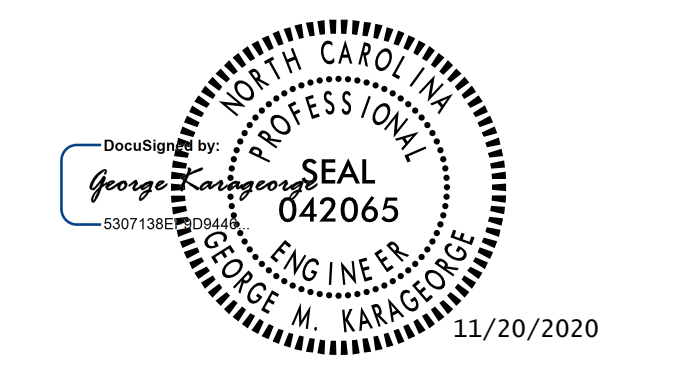
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



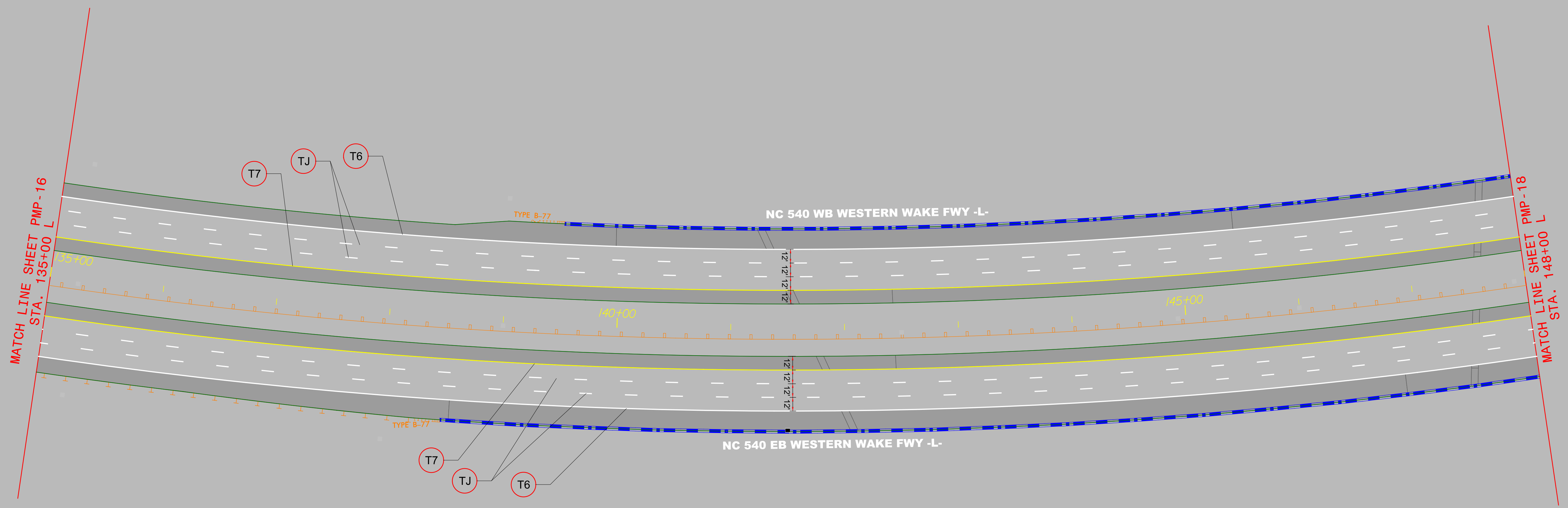
11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 16.dgn  
Birgit-Mackenzie

MYSTIC PINE PL

PROPOSED PAVEMENT MARKINGS

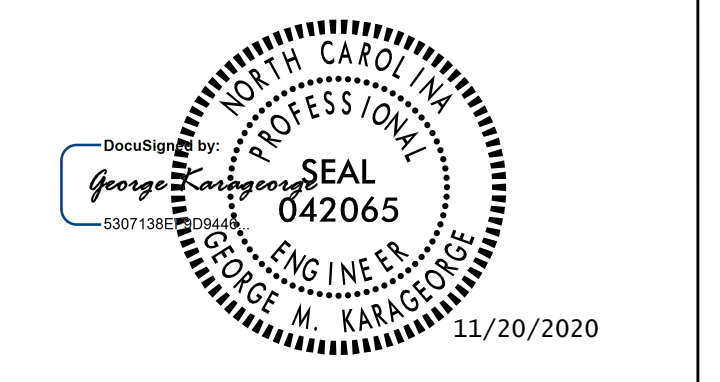


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

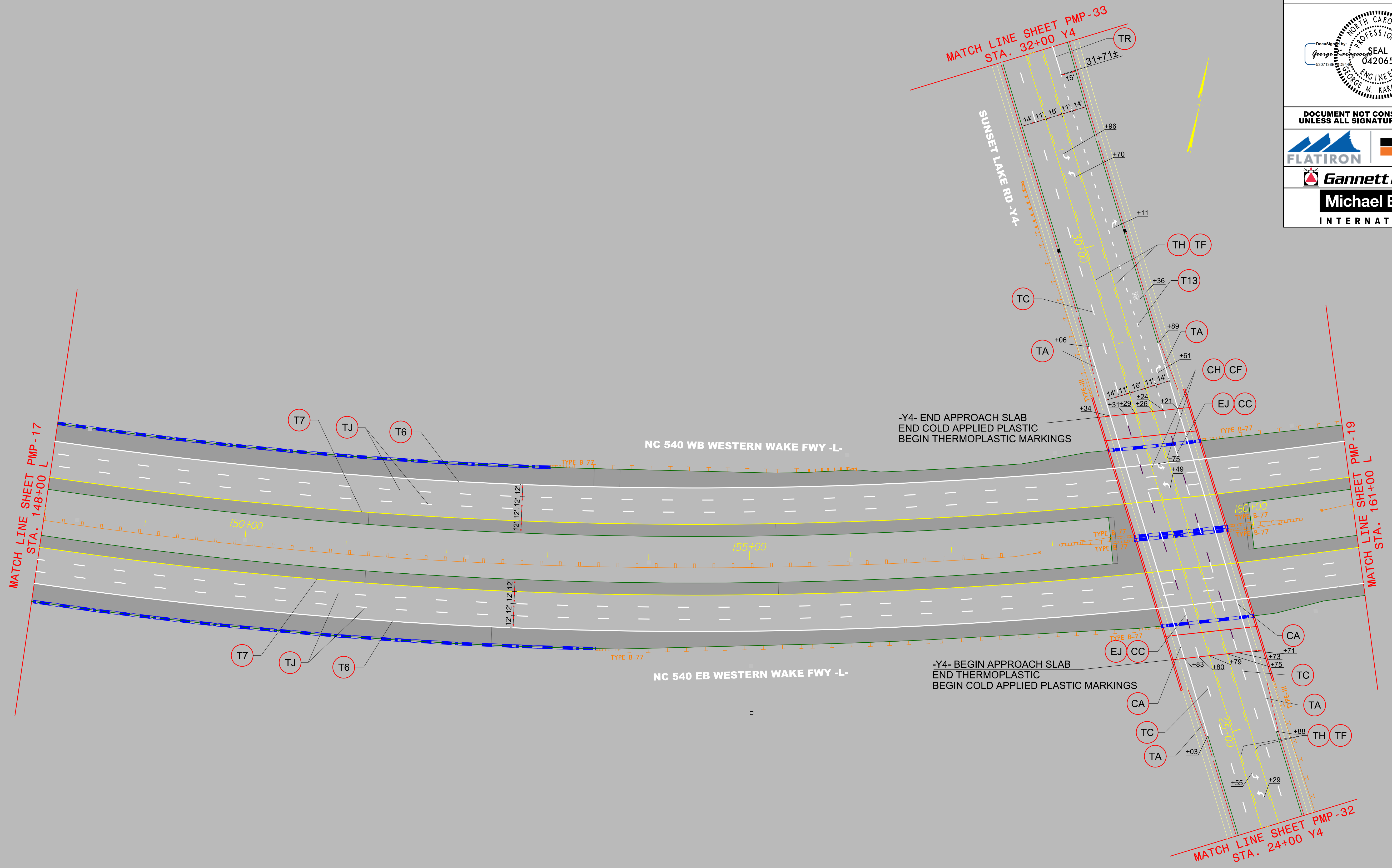


11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 17.dgn  
Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS



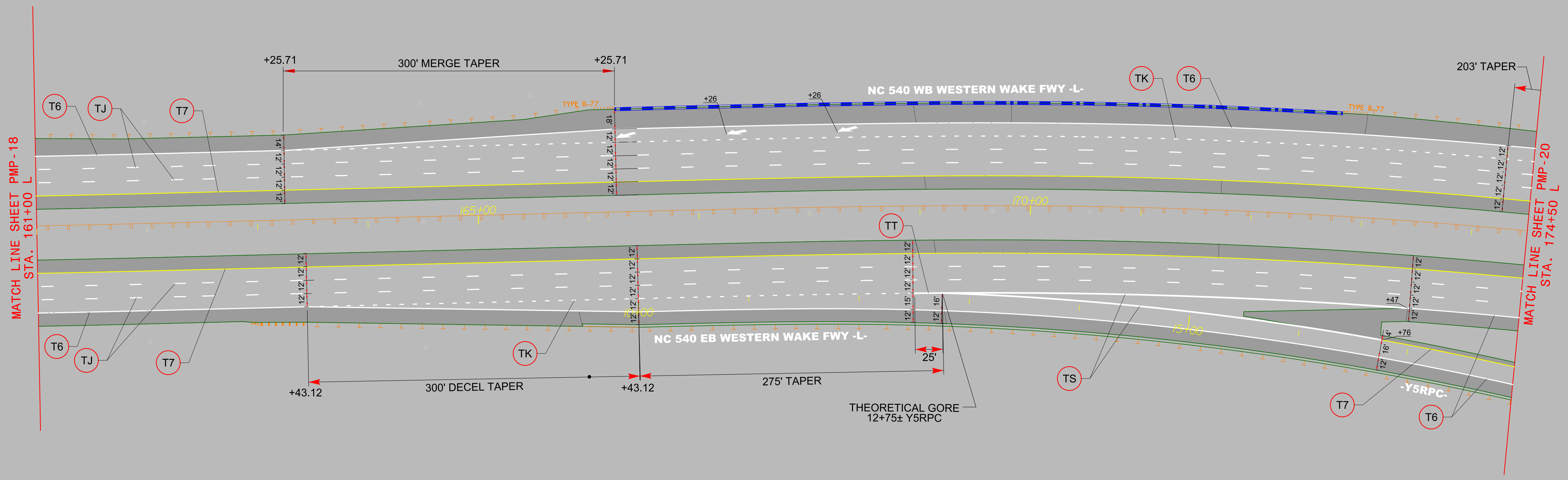
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



11/20/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 18.dgn  
 Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS

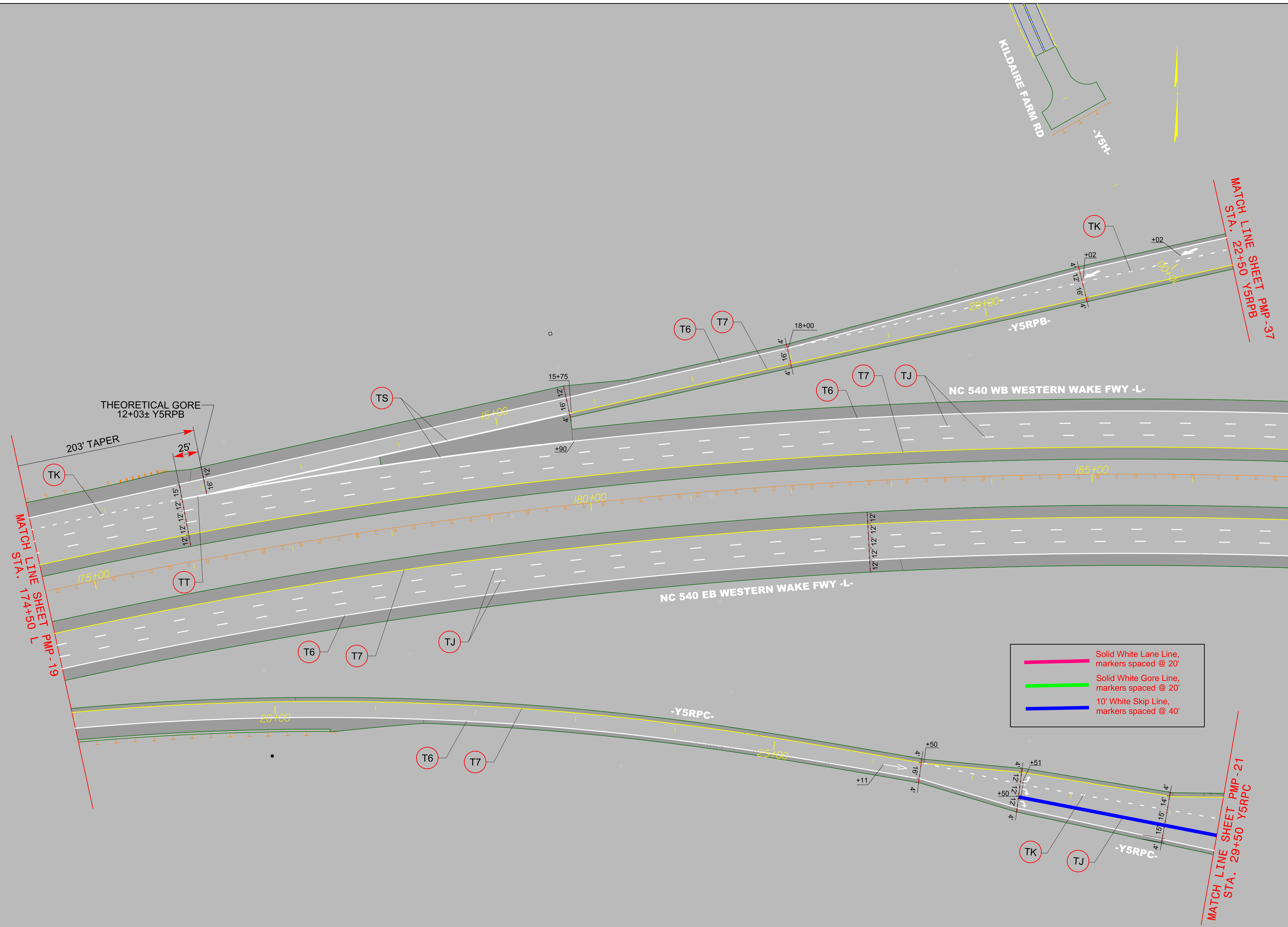
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-19
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 19.dgn  
 Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-20
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



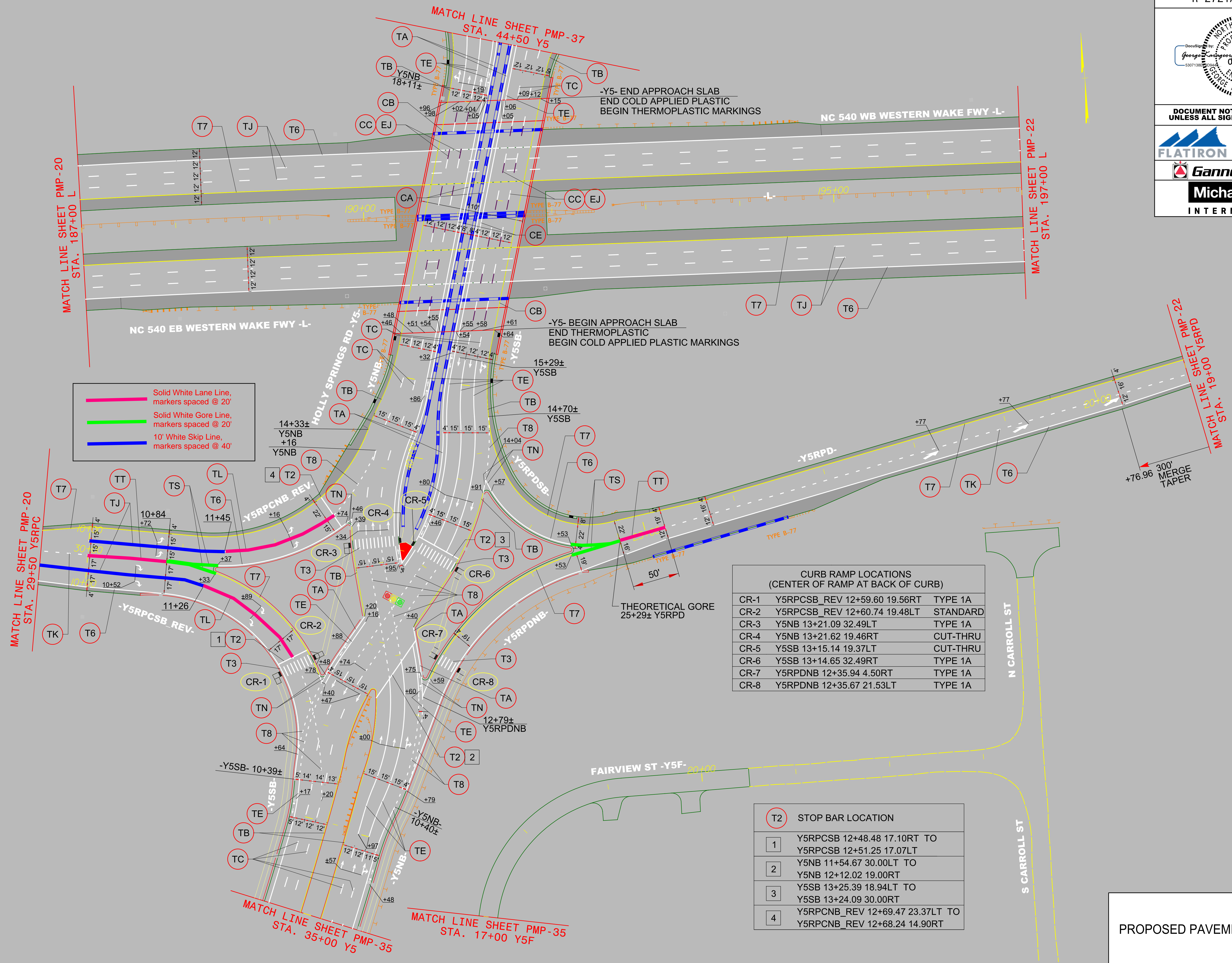
- Solid White Lane Line, markers spaced @ 20'
- Solid White Gore Line, markers spaced @ 20'
- 10' White Skip Line, markers spaced @ 40'

11/19/2020  
 R:\Traffic\pavement Marking\PLAN SHEETS\R-2721A PMP 20.dgn  
 Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



- Solid White Lane Line, markers spaced @ 20'
- Solid White Gore Line, markers spaced @ 20'
- 10' White Skip Line, markers spaced @ 40'

CURB RAMP LOCATIONS  
(CENTER OF RAMP AT BACK OF CURB)

CR-1	Y5RPCSB_REV	12+59.60	19.56RT	TYPE 1A
CR-2	Y5RPCSB_REV	12+60.74	19.48LT	STANDARD
CR-3	Y5NB	13+21.09	32.49LT	TYPE 1A
CR-4	Y5NB	13+21.62	19.46RT	CUT-THRU
CR-5	Y5SB	13+15.14	19.37LT	CUT-THRU
CR-6	Y5SB	13+14.65	32.49RT	TYPE 1A
CR-7	Y5RPDNB	12+35.94	4.50RT	TYPE 1A
CR-8	Y5RPDNB	12+35.67	21.53LT	TYPE 1A

T2 STOP BAR LOCATION

1	Y5RPCSB 12+48.48 17.10RT TO Y5RPCSB 12+51.25 17.07LT
2	Y5NB 11+54.67 30.00LT TO Y5NB 12+12.02 19.00RT
3	Y5SB 13+25.39 18.94LT TO Y5SB 13+24.09 30.00RT
4	Y5RPCNB_REV 12+69.47 23.37LT TO Y5RPCNB_REV 12+68.24 14.90RT

PROPOSED PAVEMENT MARKINGS

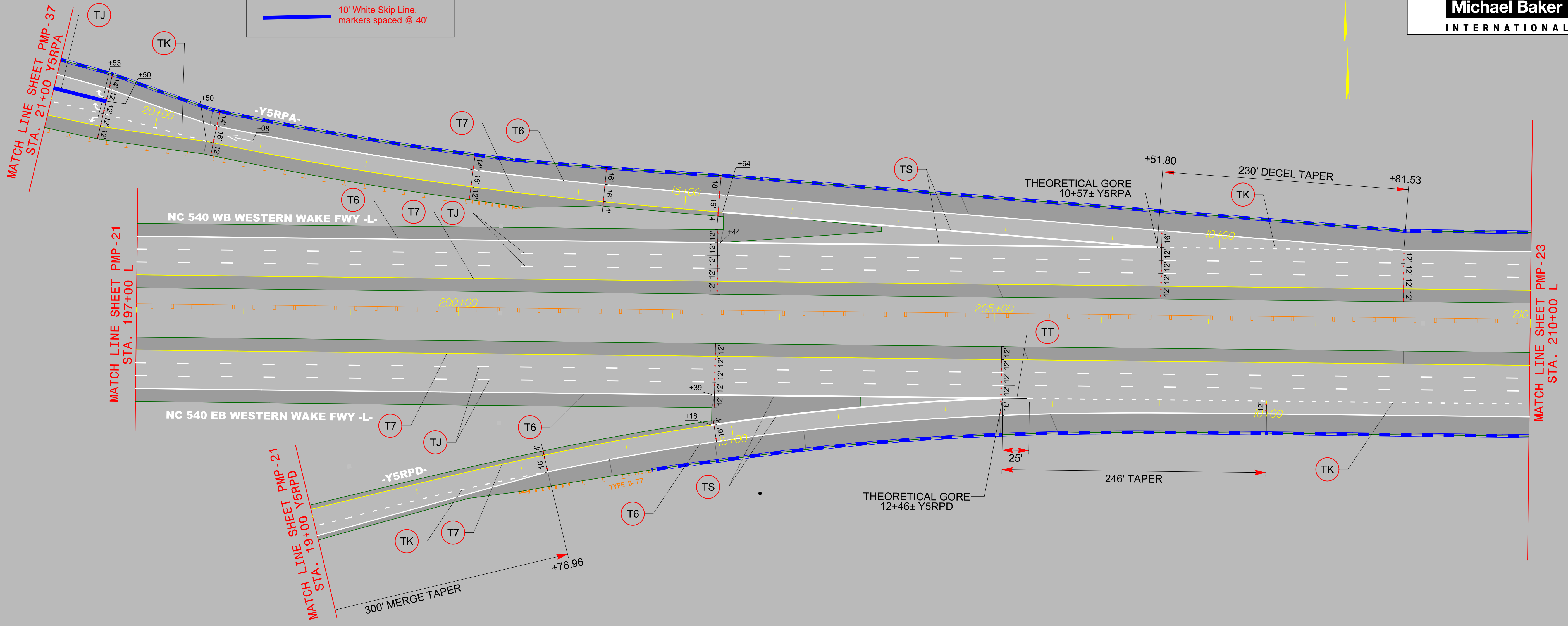
11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 21.dgn  
 B:\GFMackenzie



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



- Solid White Lane Line, markers spaced @ 20'
- Solid White Gore Line, markers spaced @ 20'
- 10' White Skip Line, markers spaced @ 40'

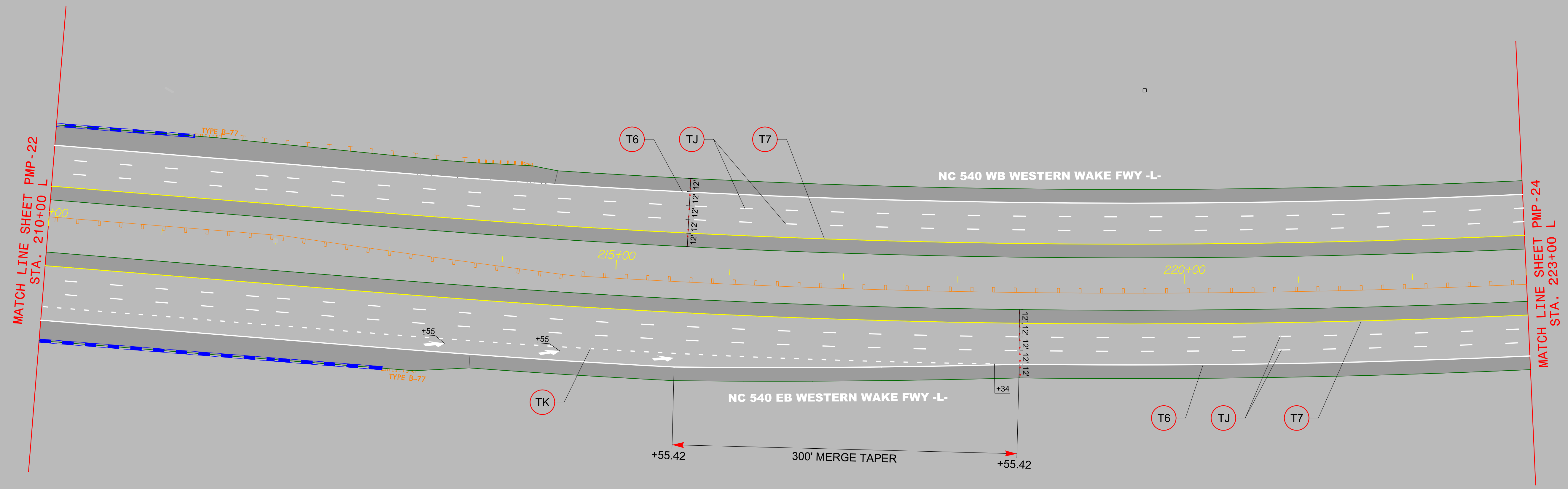


11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 22.dgn  
 Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS



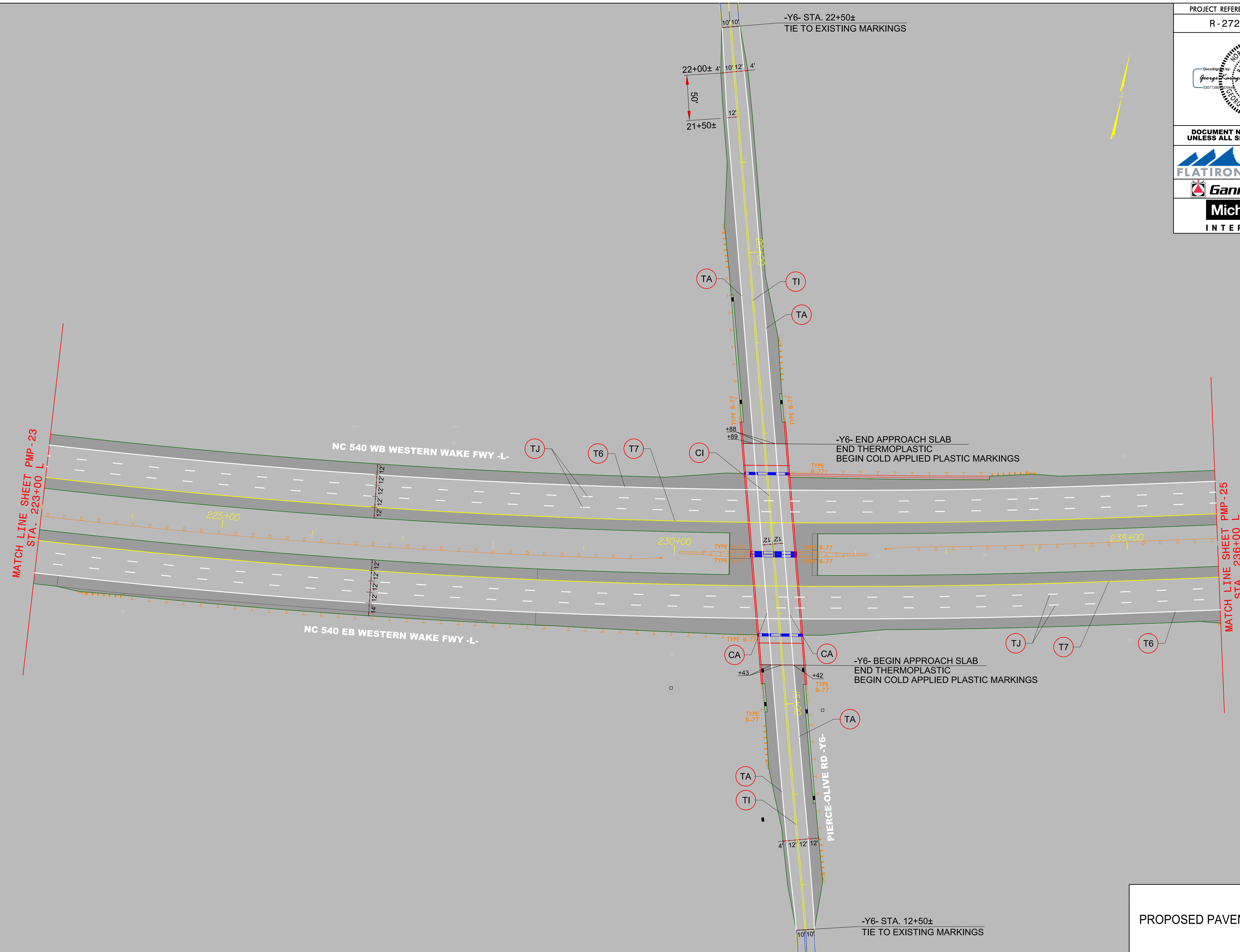
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 23.dgn  
 B:\gfl-mackenzie

PROPOSED PAVEMENT MARKINGS

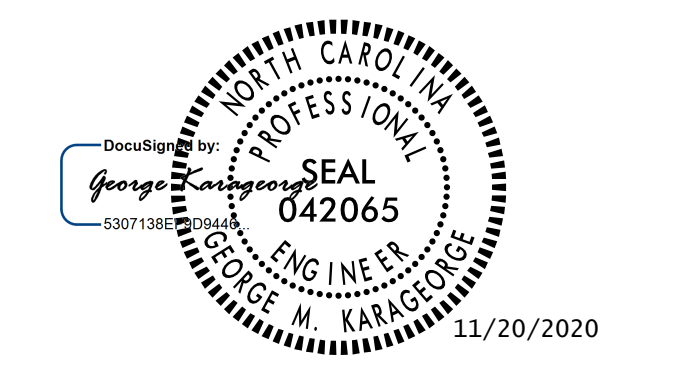
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-24
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



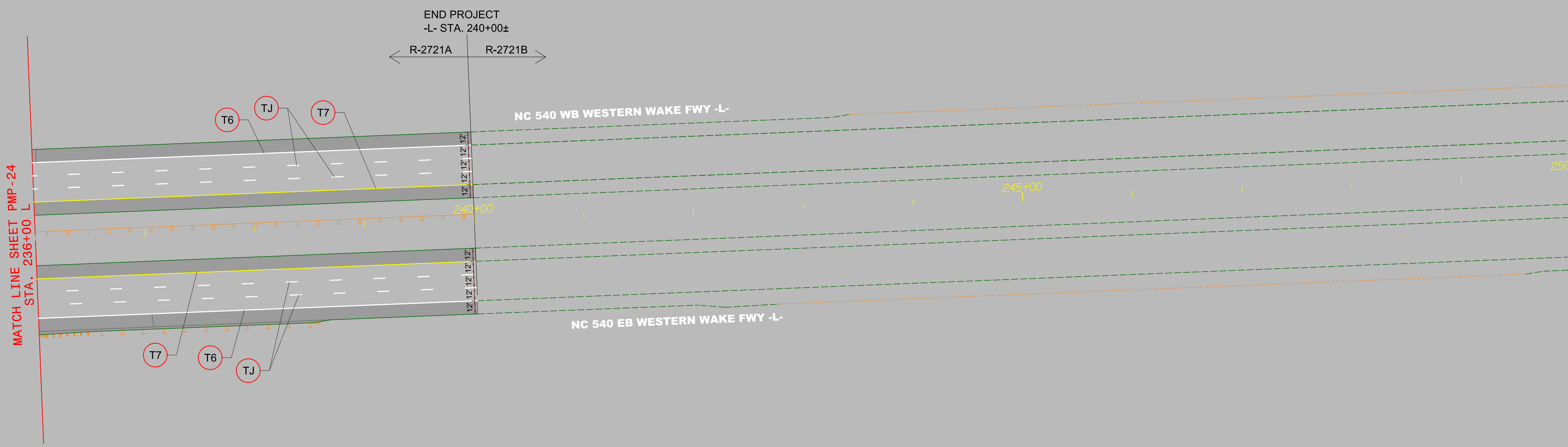
11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\IR-2721A PMP 24.dgn  
B:\gfl\Mackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-25



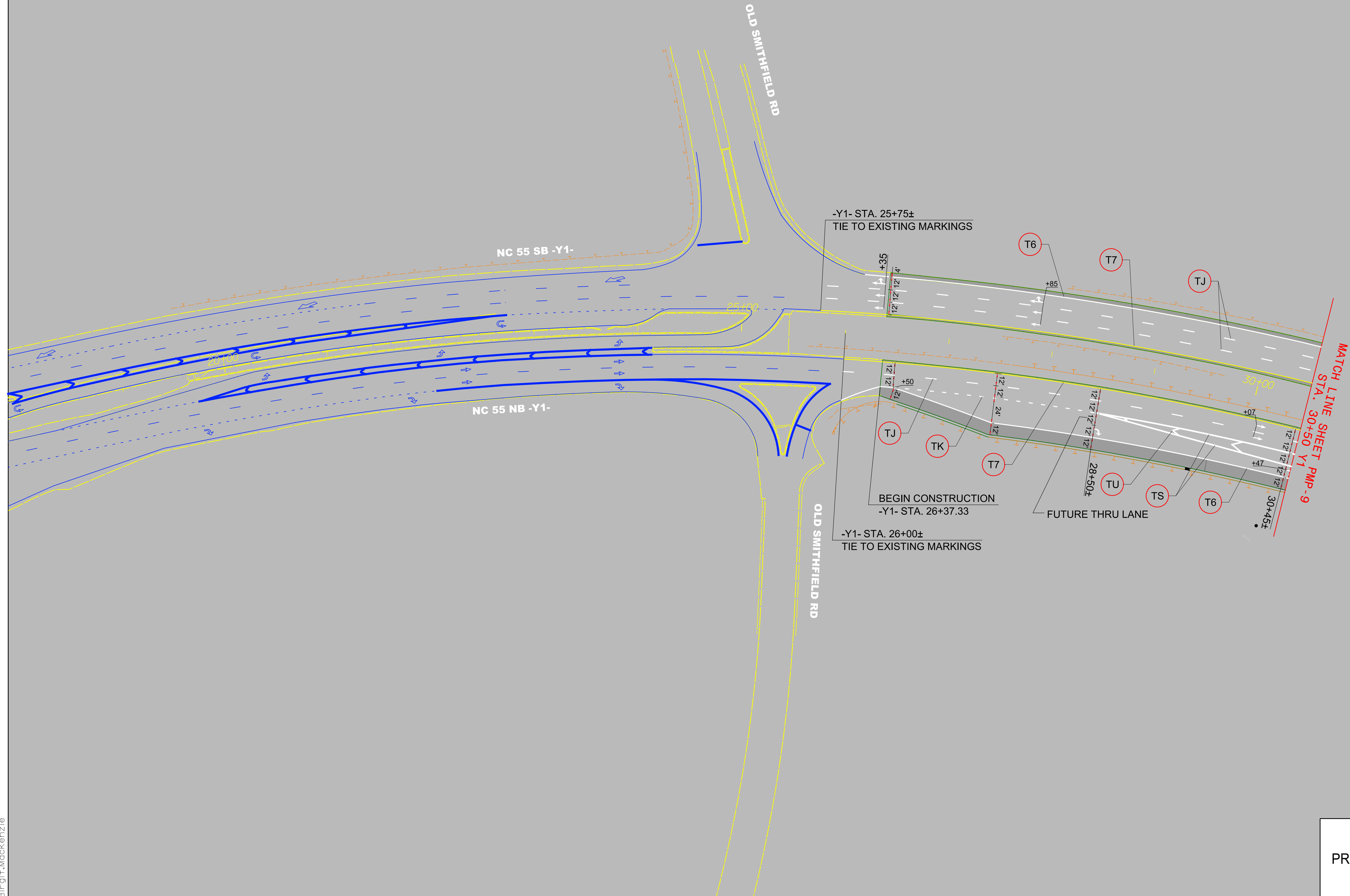
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 25.dgn  
B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-26
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PROPOSED PAVEMENT MARKINGS

11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 26.dgn  
B:\gfm\ackenzie

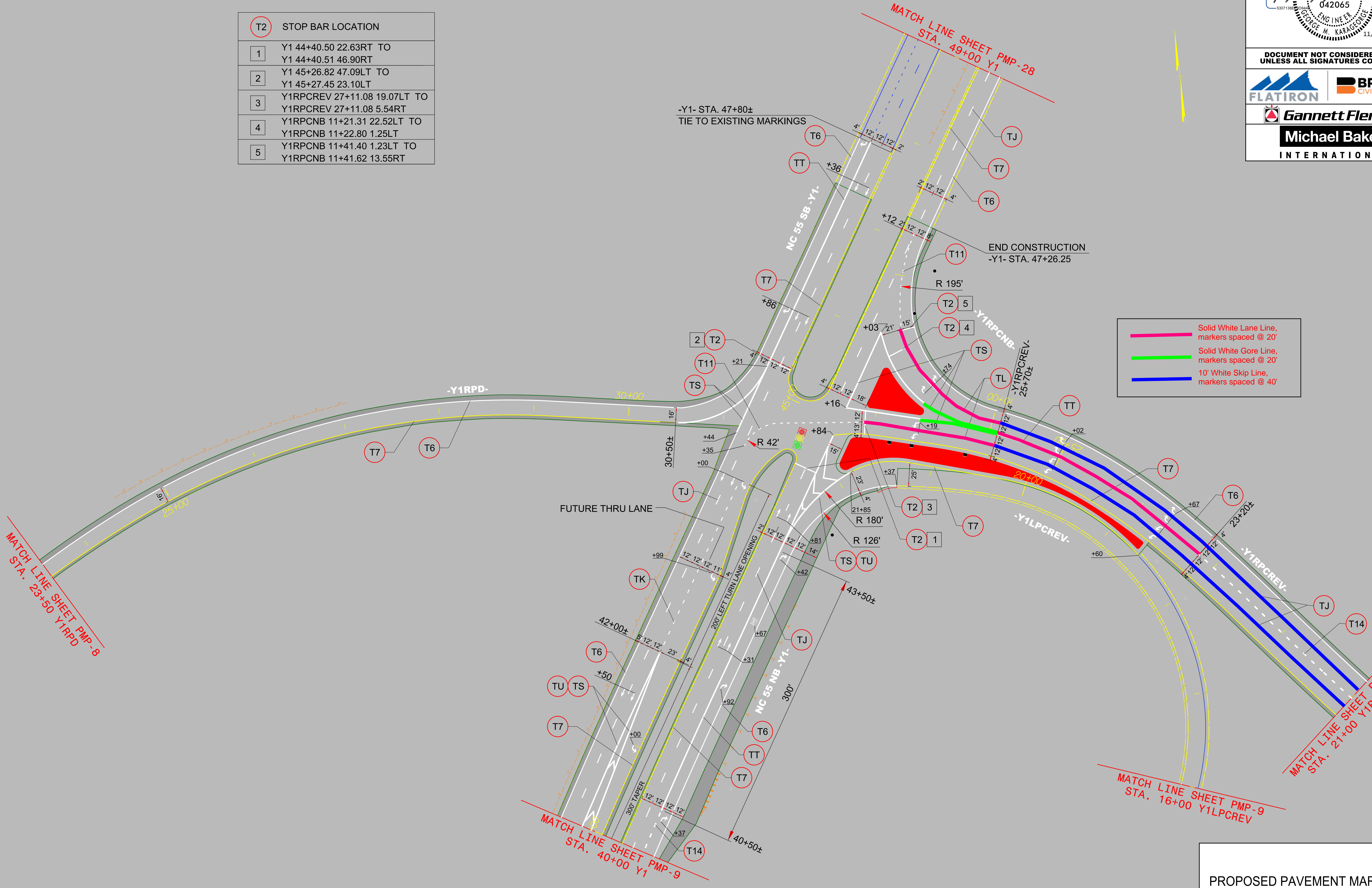


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



T2	STOP BAR LOCATION
1	Y1 44+40.50 22.63RT TO Y1 44+40.51 46.90RT
2	Y1 45+26.82 47.09LT TO Y1 45+27.45 23.10LT
3	Y1RPCREV 27+11.08 19.07LT TO Y1RPCREV 27+11.08 5.54RT
4	Y1RPCNB 11+21.31 22.52LT TO Y1RPCNB 11+22.80 1.25LT
5	Y1RPCNB 11+41.40 1.23LT TO Y1RPCNB 11+41.62 13.55RT

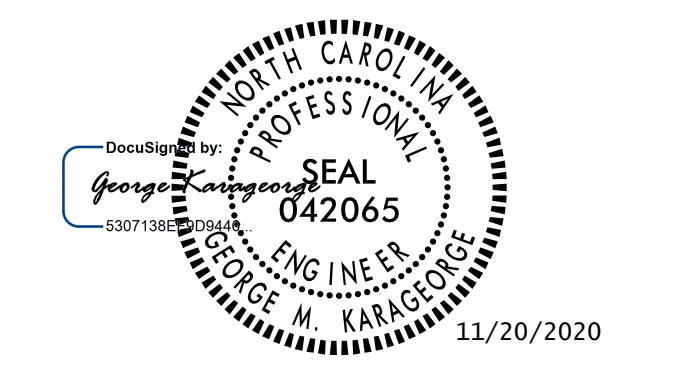
— Solid White Lane Line, markers spaced @ 20'  
— Solid White Gore Line, markers spaced @ 20'  
— 10' White Skip Line, markers spaced @ 40'



PROPOSED PAVEMENT MARKINGS

11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 27.dgn  
 B:\gfl\Mackenzie

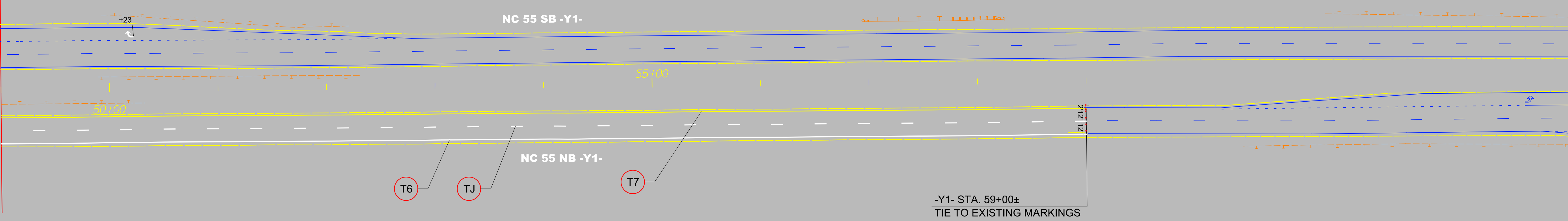
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-28



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



MATCH LINE SHEET PMP-27  
STA. 49+00 Y1



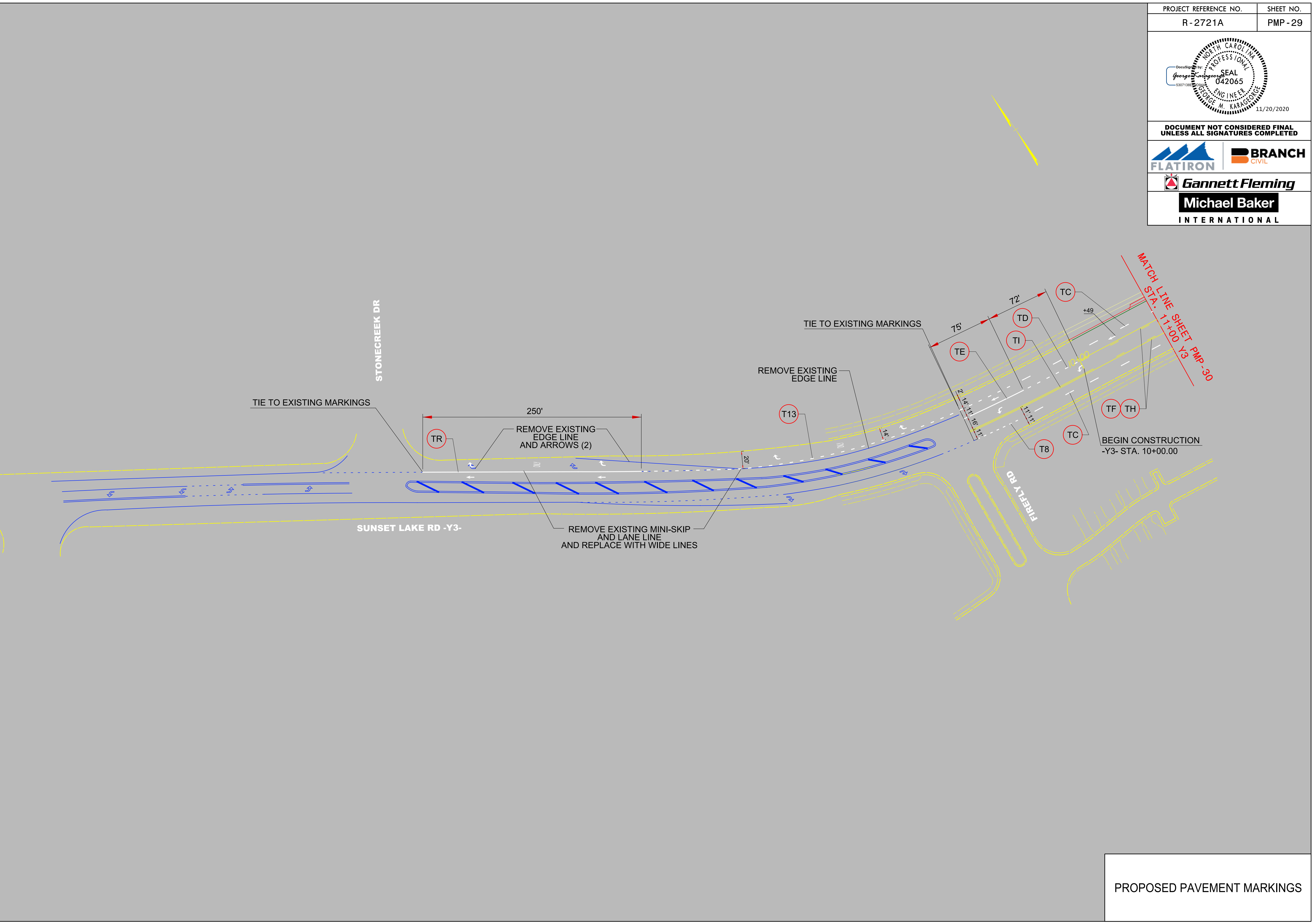
11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 28.dgn  
B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-29



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 29.dgn  
B:\gfmackenzie

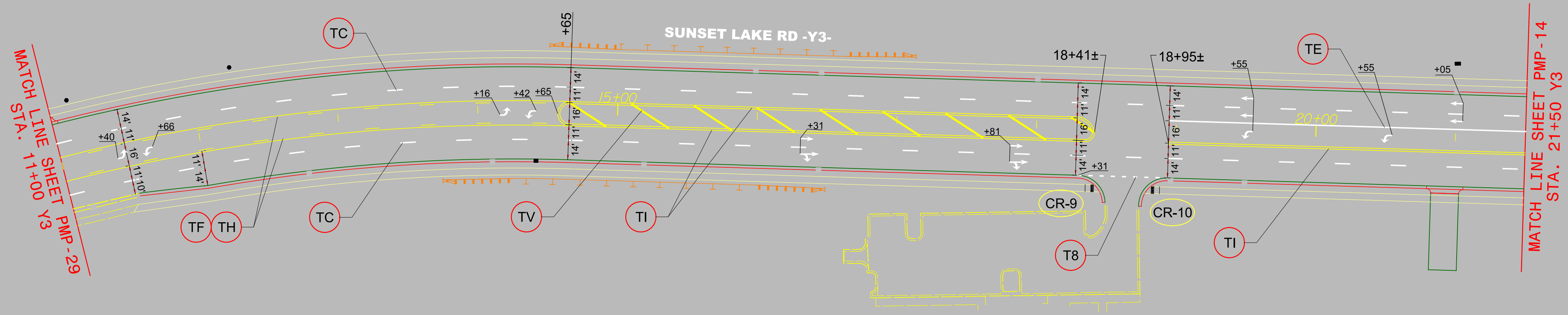
PROPOSED PAVEMENT MARKINGS



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)			
CR-9	Y3 18+42.09	42.01RT	TYPE 1
CR-10	Y3 18+83.33	42.00RT	TYPE 1



11/19/2020  
R:\Traffic\pavement Marking\PLAN SHEETS\R-2721A PMP 30.dgn  
B:\gfl-mackenzie

PROPOSED PAVEMENT MARKINGS

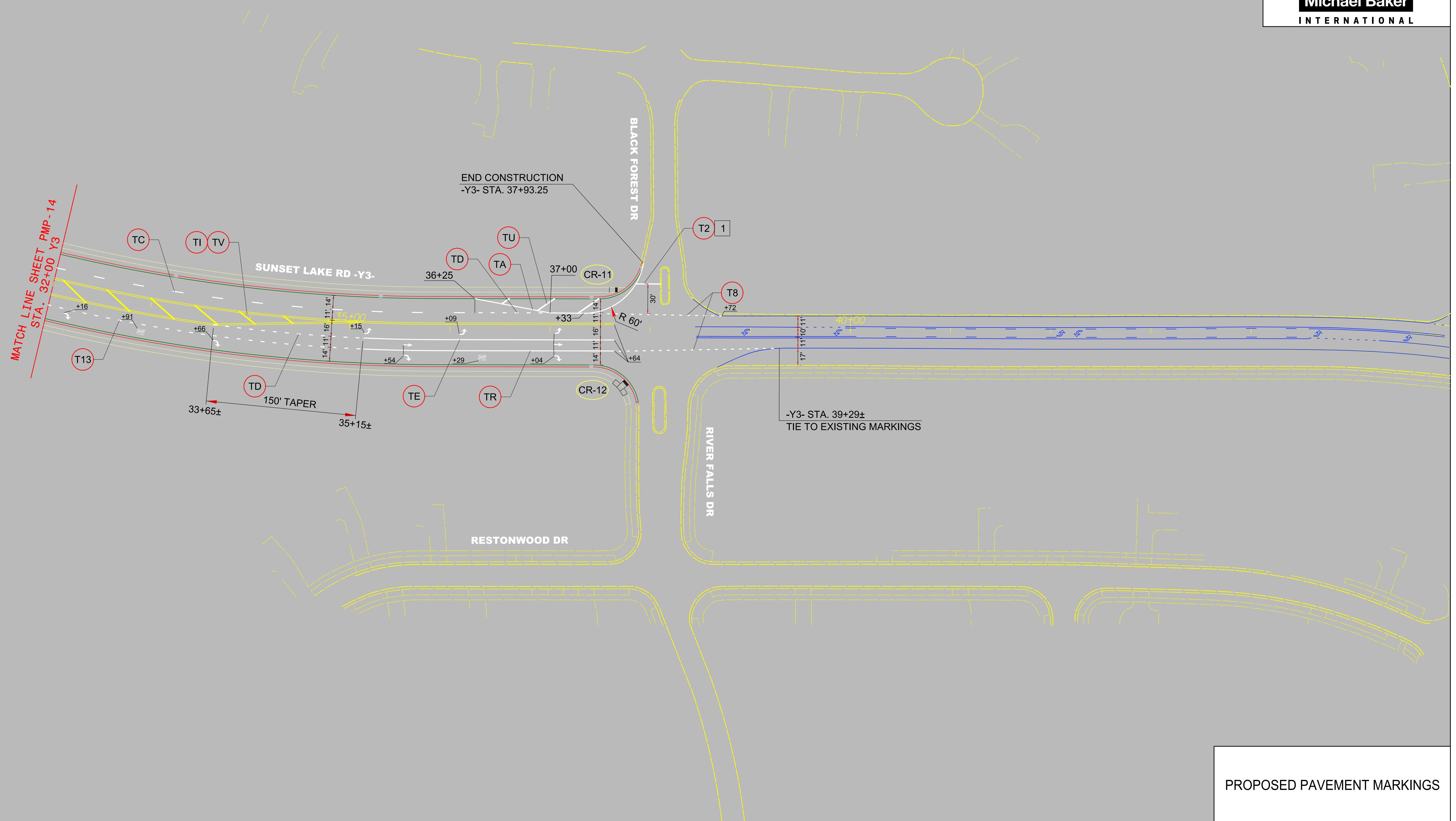


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)			
CR-11	Y3 37+71.46	41.77LT	TYPE 1
CR-12	Y3 37+76.38	50.44RT	TYPE 2A

T2	STOP BAR LOCATION
1	Y3 37+85.63 48.00LT TO Y3 38+10.28 48.00LT



11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 31.dgn  
 B:\gfm\ackenzie

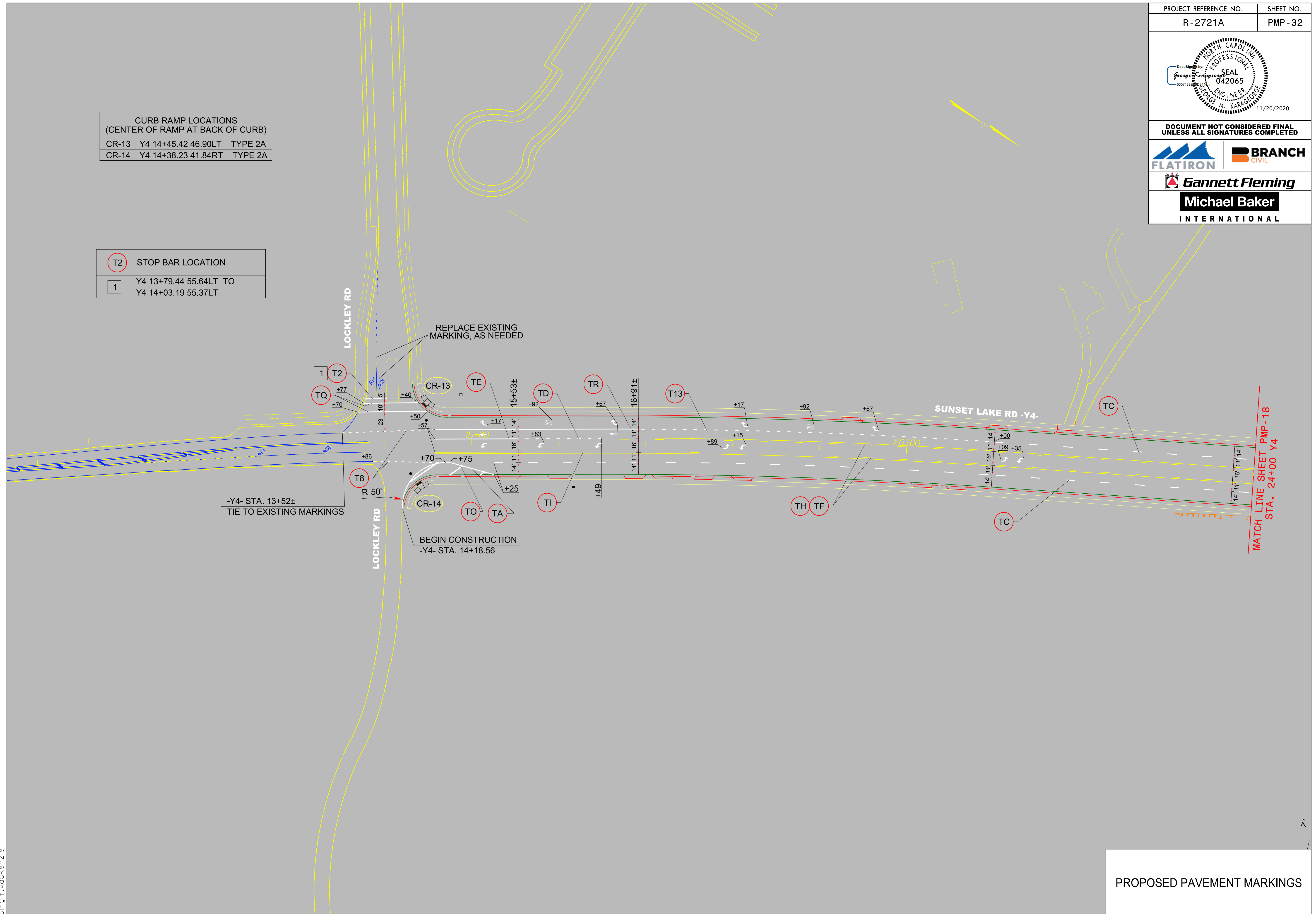
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-32

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**Michael Baker**  
INTERNATIONAL

CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)			
CR-13	Y4 14+45.42	46.90LT	TYPE 2A
CR-14	Y4 14+38.23	41.84RT	TYPE 2A

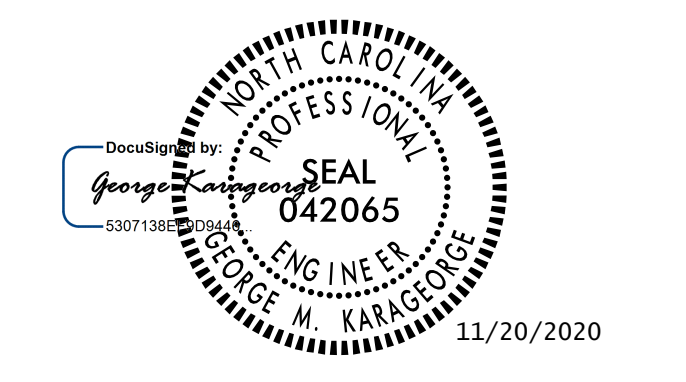
T2 STOP BAR LOCATION	
1	Y4 13+79.44 55.64LT TO Y4 14+03.19 55.37LT



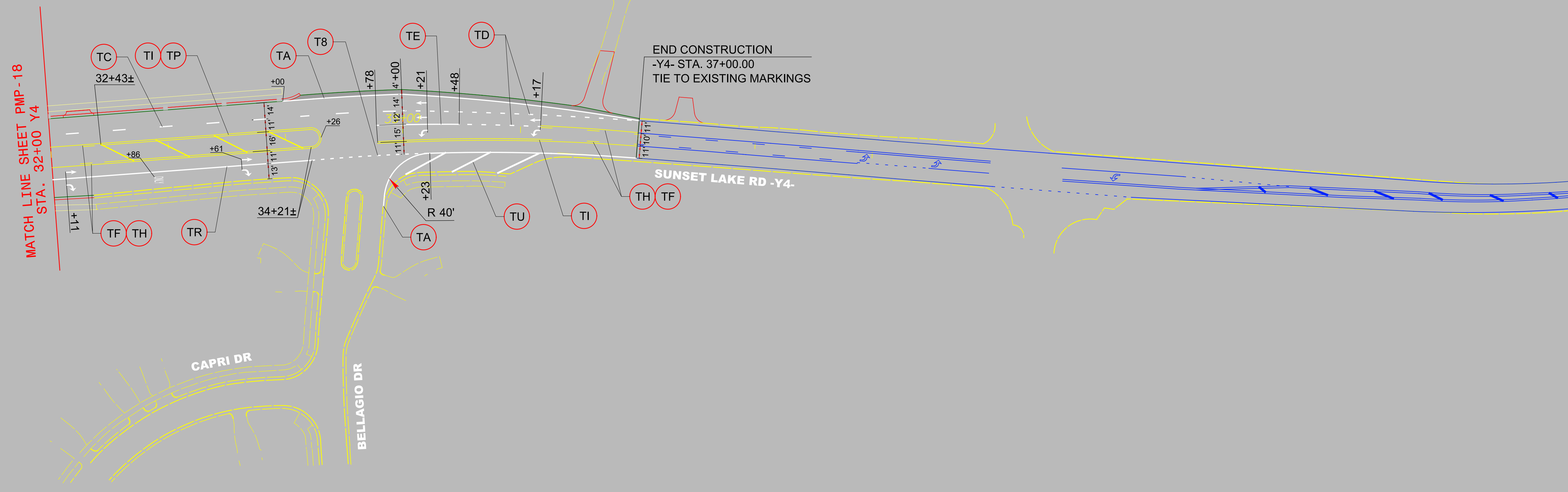
PROPOSED PAVEMENT MARKINGS

11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 32.dgn  
 B:\gfl\Mackenzie

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-33



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



11/20/2020  
R:\tr\office\Pavement Marking\PLAN SHEETS\R-2721A PMP 33.dgn  
B:\glf\mckenzie

PROPOSED PAVEMENT MARKINGS

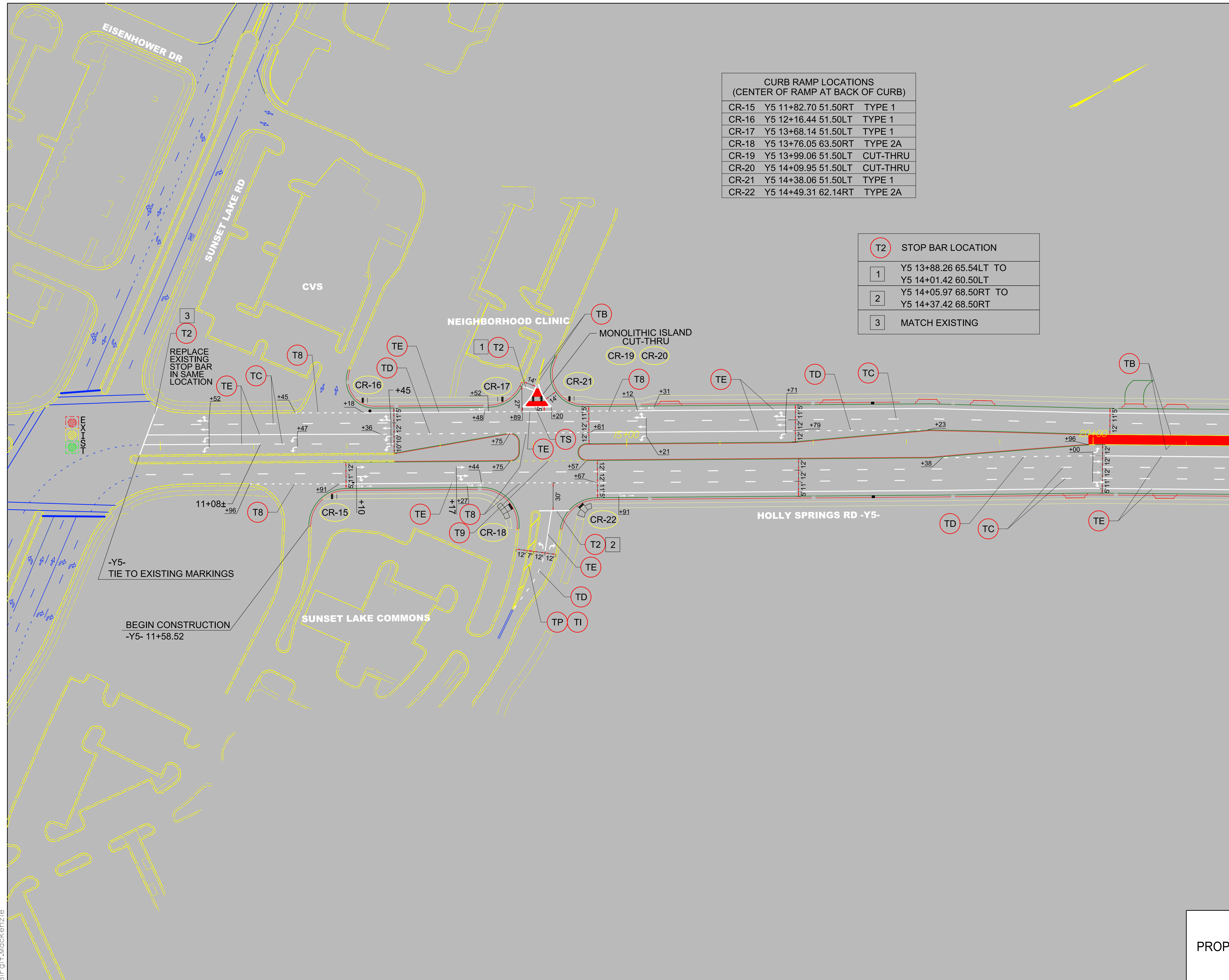


DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



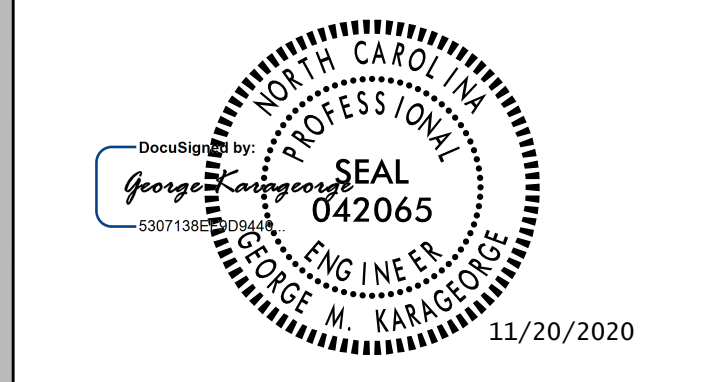
CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)			
CR-15	Y5 11+82.70	51.50RT	TYPE 1
CR-16	Y5 12+16.44	51.50LT	TYPE 1
CR-17	Y5 13+68.14	51.50LT	TYPE 1
CR-18	Y5 13+76.05	63.50RT	TYPE 2A
CR-19	Y5 13+99.06	51.50LT	CUT-THRU
CR-20	Y5 14+09.95	51.50LT	CUT-THRU
CR-21	Y5 14+38.06	51.50LT	TYPE 1
CR-22	Y5 14+49.31	62.14RT	TYPE 2A

T2	STOP BAR LOCATION
1	Y5 13+88.26 65.54LT TO Y5 14+01.42 60.50LT
2	Y5 14+05.97 68.50RT TO Y5 14+37.42 68.50RT
3	MATCH EXISTING



11/19/2020  
 R:\Traffic\Plan\Marking\PLAN SHEETS\R-2721A PMP 34.dgn  
 B:\gfl-mackenzie

PROPOSED PAVEMENT MARKINGS

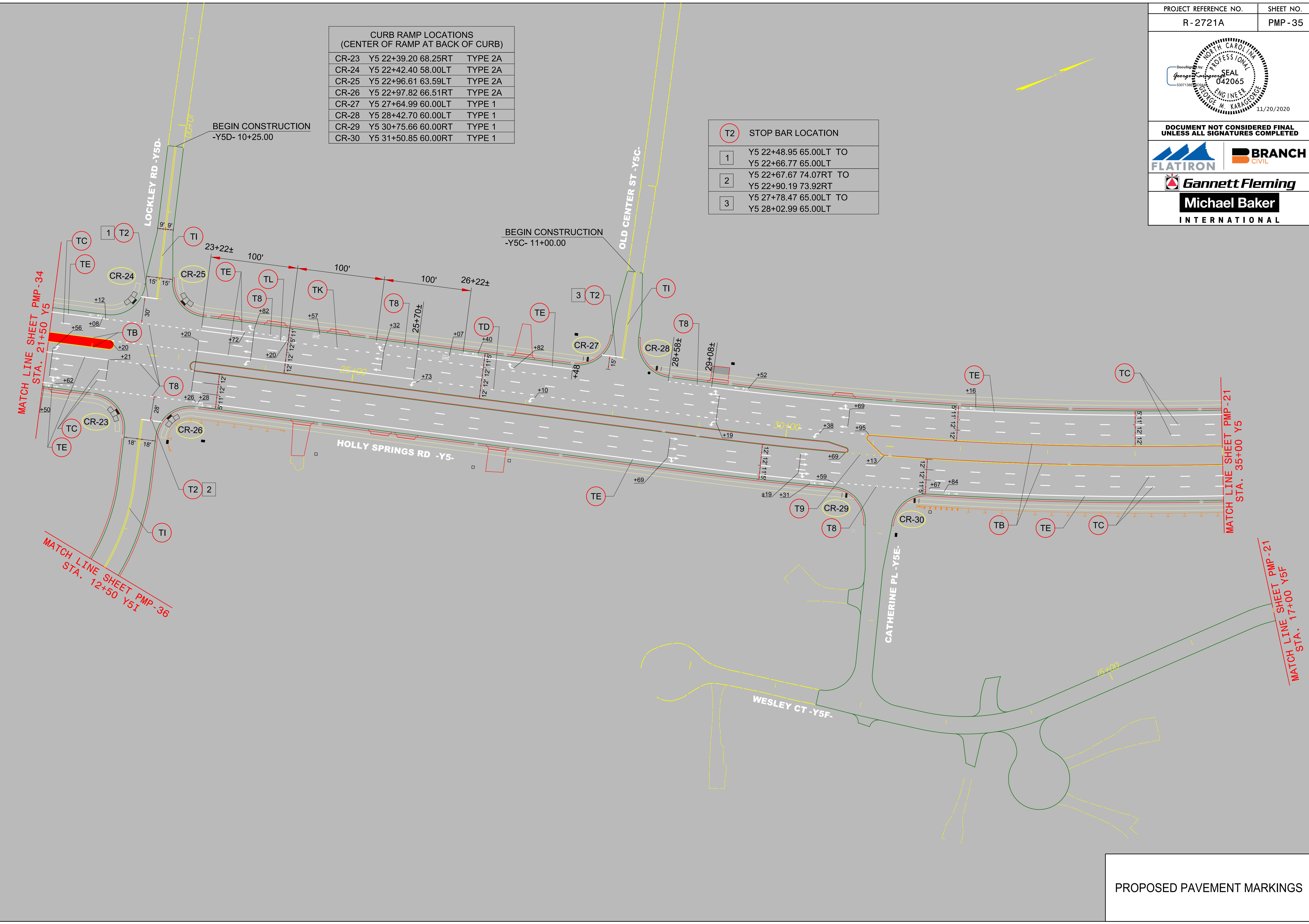


DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)			
CR-23	Y5 22+39.20	68.25RT	TYPE 2A
CR-24	Y5 22+42.40	58.00LT	TYPE 2A
CR-25	Y5 22+96.61	63.59LT	TYPE 2A
CR-26	Y5 22+97.82	66.51RT	TYPE 2A
CR-27	Y5 27+64.99	60.00LT	TYPE 1
CR-28	Y5 28+42.70	60.00LT	TYPE 1
CR-29	Y5 30+75.66	60.00RT	TYPE 1
CR-30	Y5 31+50.85	60.00RT	TYPE 1

T2	STOP BAR LOCATION
1	Y5 22+48.95 65.00LT TO Y5 22+66.77 65.00LT
2	Y5 22+67.67 74.07RT TO Y5 22+90.19 73.92RT
3	Y5 27+78.47 65.00LT TO Y5 28+02.99 65.00LT

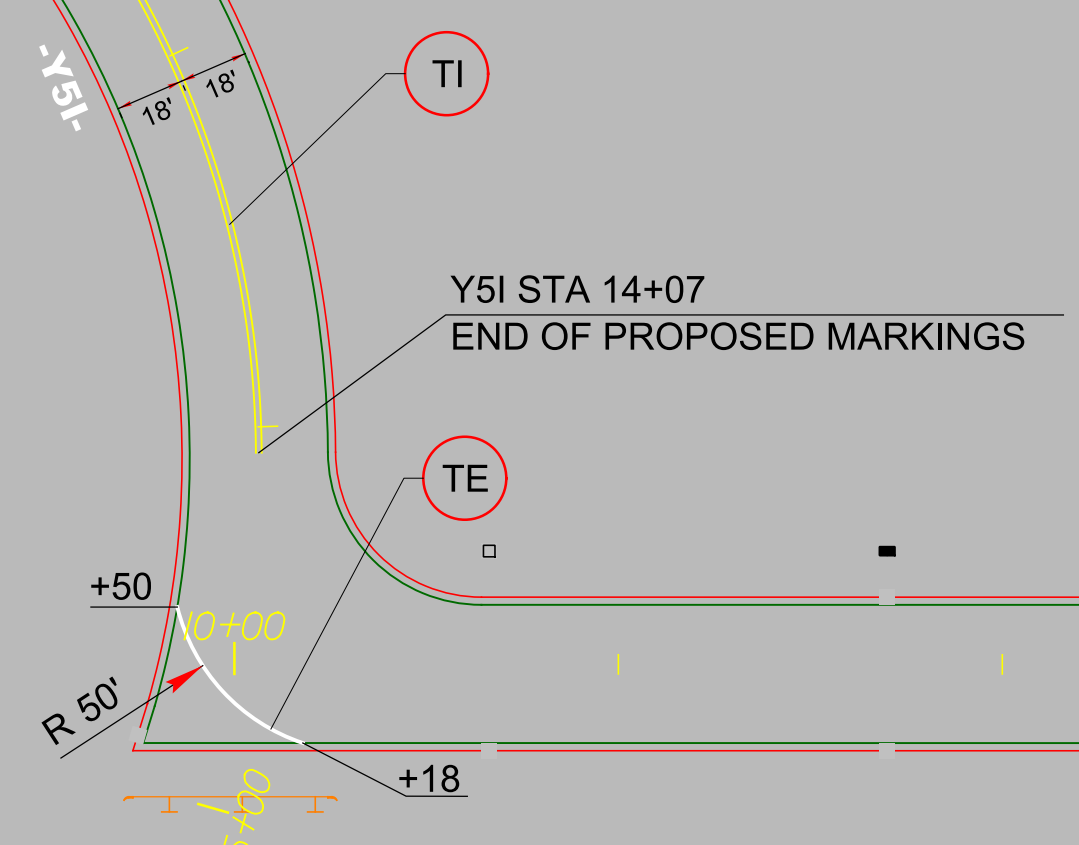


11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 35.dgn  
 B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-36
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCH LINE SHEET PMP -35  
STA. 12+50 Y5I



-Y5J-

-Y5M-  
SUNCLIFFE CT

-Y5M-  
N BELL HAVEN ST

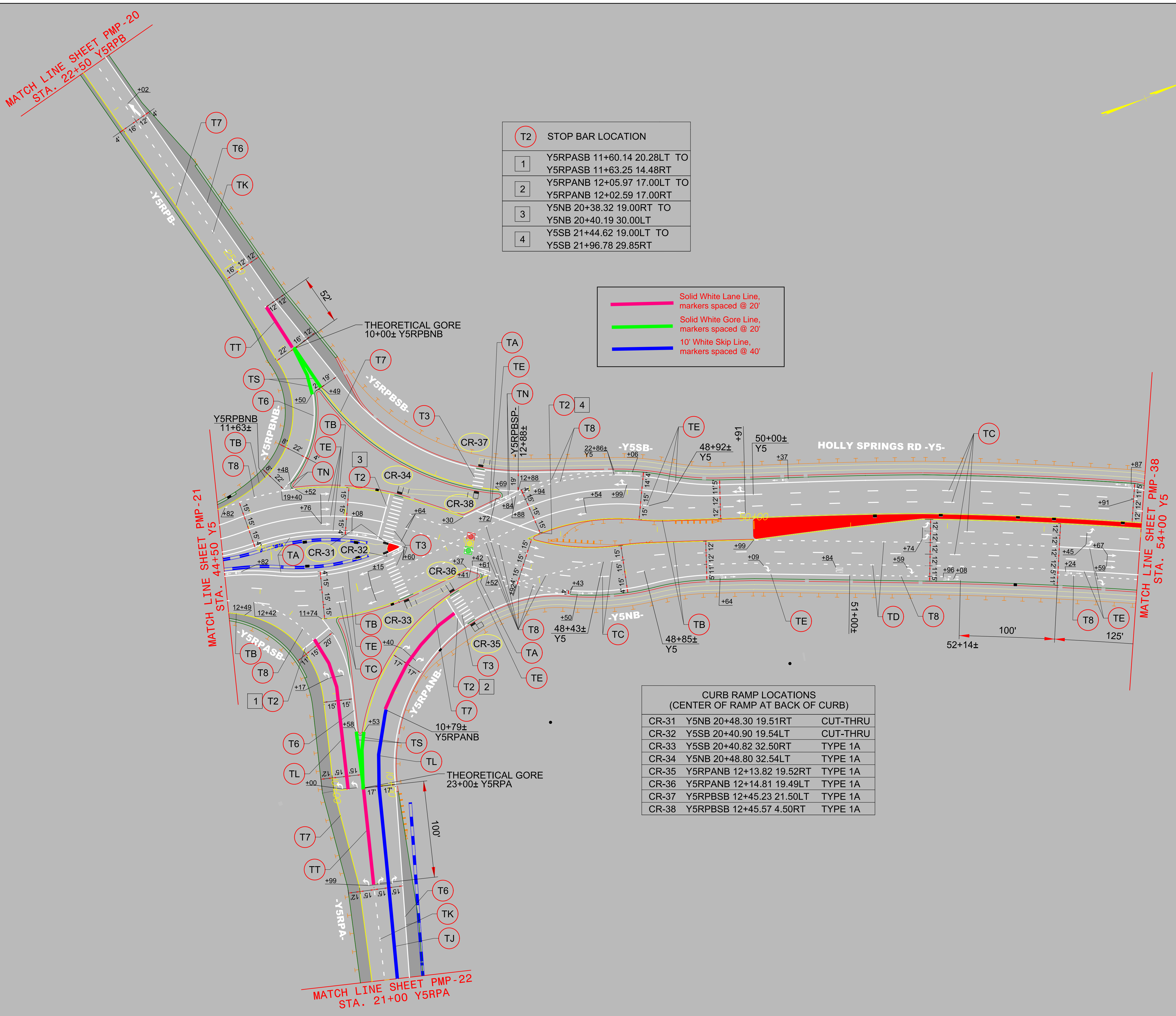
SUNCLIFFE CT

11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 36.dgn  
B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-37

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



T2	STOP BAR LOCATION
1	Y5RPASB 11+60.14 20.28LT TO Y5RPASB 11+63.25 14.48RT
2	Y5RPANB 12+05.97 17.00LT TO Y5RPANB 12+02.59 17.00RT
3	Y5NB 20+38.32 19.00RT TO Y5NB 20+40.19 30.00LT
4	Y5SB 21+44.62 19.00LT TO Y5SB 21+96.78 29.85RT

— Solid White Lane Line, markers spaced @ 20'

— Solid White Gore Line, markers spaced @ 20'

— 10' White Skip Line, markers spaced @ 40'

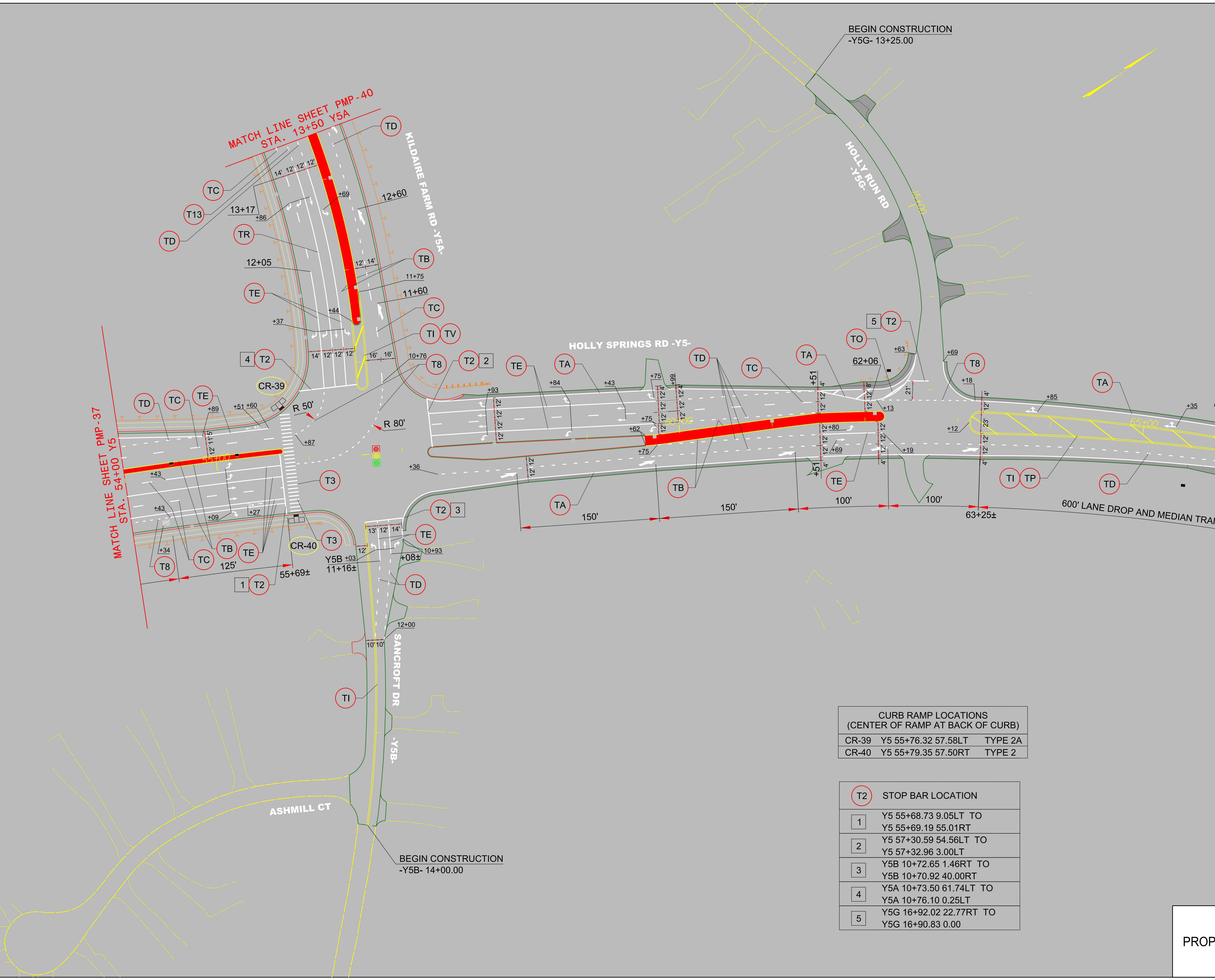
CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)		
CR-31	Y5NB 20+48.30 19.51RT	CUT-THRU
CR-32	Y5SB 20+40.90 19.54LT	CUT-THRU
CR-33	Y5SB 20+40.82 32.50RT	TYPE 1A
CR-34	Y5NB 20+48.80 32.54LT	TYPE 1A
CR-35	Y5RPANB 12+13.82 19.52RT	TYPE 1A
CR-36	Y5RPANB 12+14.81 19.49LT	TYPE 1A
CR-37	Y5RPBSB 12+45.23 21.50LT	TYPE 1A
CR-38	Y5RPBSB 12+45.57 4.50RT	TYPE 1A

11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 37.dgn  
 B:\giff-Mackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-38

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



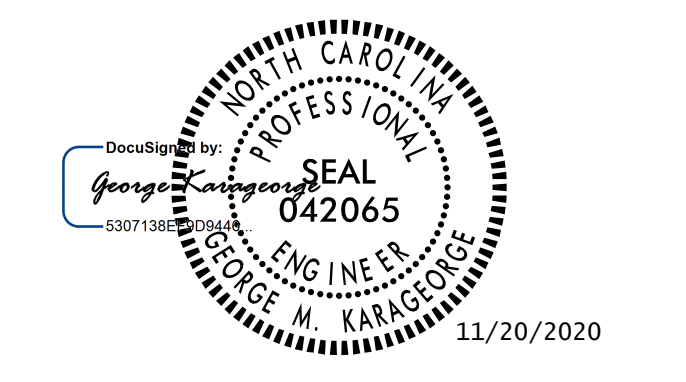
CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)		
CR-39	Y5 55+76.32 57.58LT	TYPE 2A
CR-40	Y5 55+79.35 57.50RT	TYPE 2

<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">T2</span>	STOP BAR LOCATION
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span>	Y5 55+68.73 9.05LT TO Y5 55+69.19 55.01RT
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">2</span>	Y5 57+30.59 54.56LT TO Y5 57+32.96 3.00LT
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">3</span>	Y5B 10+72.65 1.46RT TO Y5B 10+70.92 40.00RT
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">4</span>	Y5A 10+73.50 61.74LT TO Y5A 10+76.10 0.25LT
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">5</span>	Y5G 16+92.02 22.77RT TO Y5G 16+90.83 0.00

PROPOSED PAVEMENT MARKINGS

11/19/2020  
R:\Traffic\Plan\pavement\Marking\PLAN SHEETS\R-2721A\_PMP\_38.dgn  
B:\gfm\mckenzie

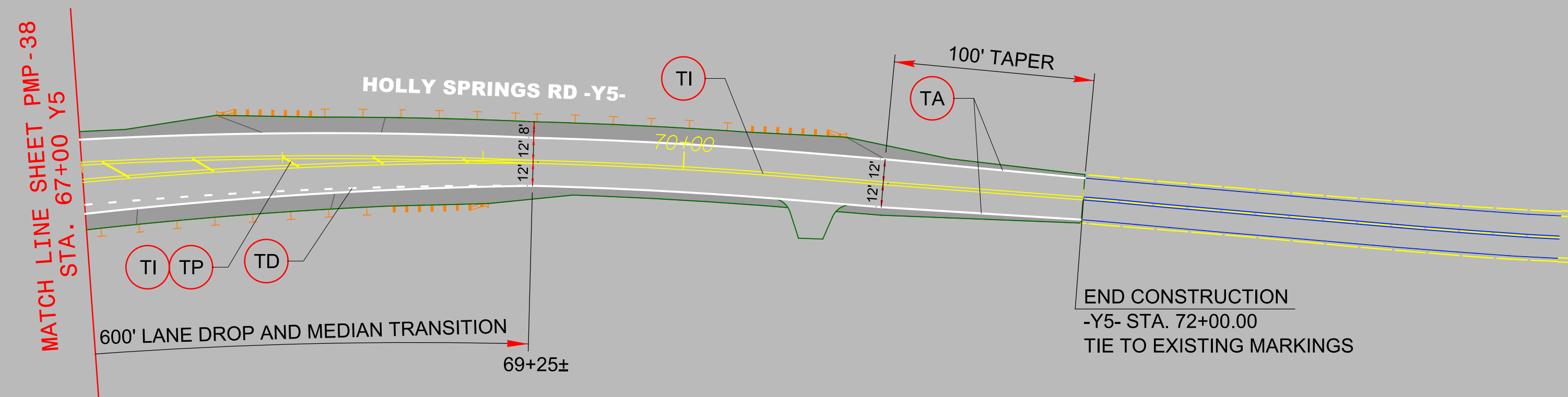
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-39



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

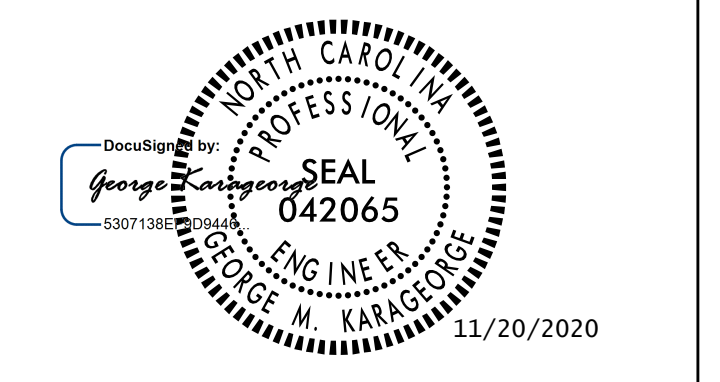


**Michael Baker**  
INTERNATIONAL



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 39.dgn  
B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

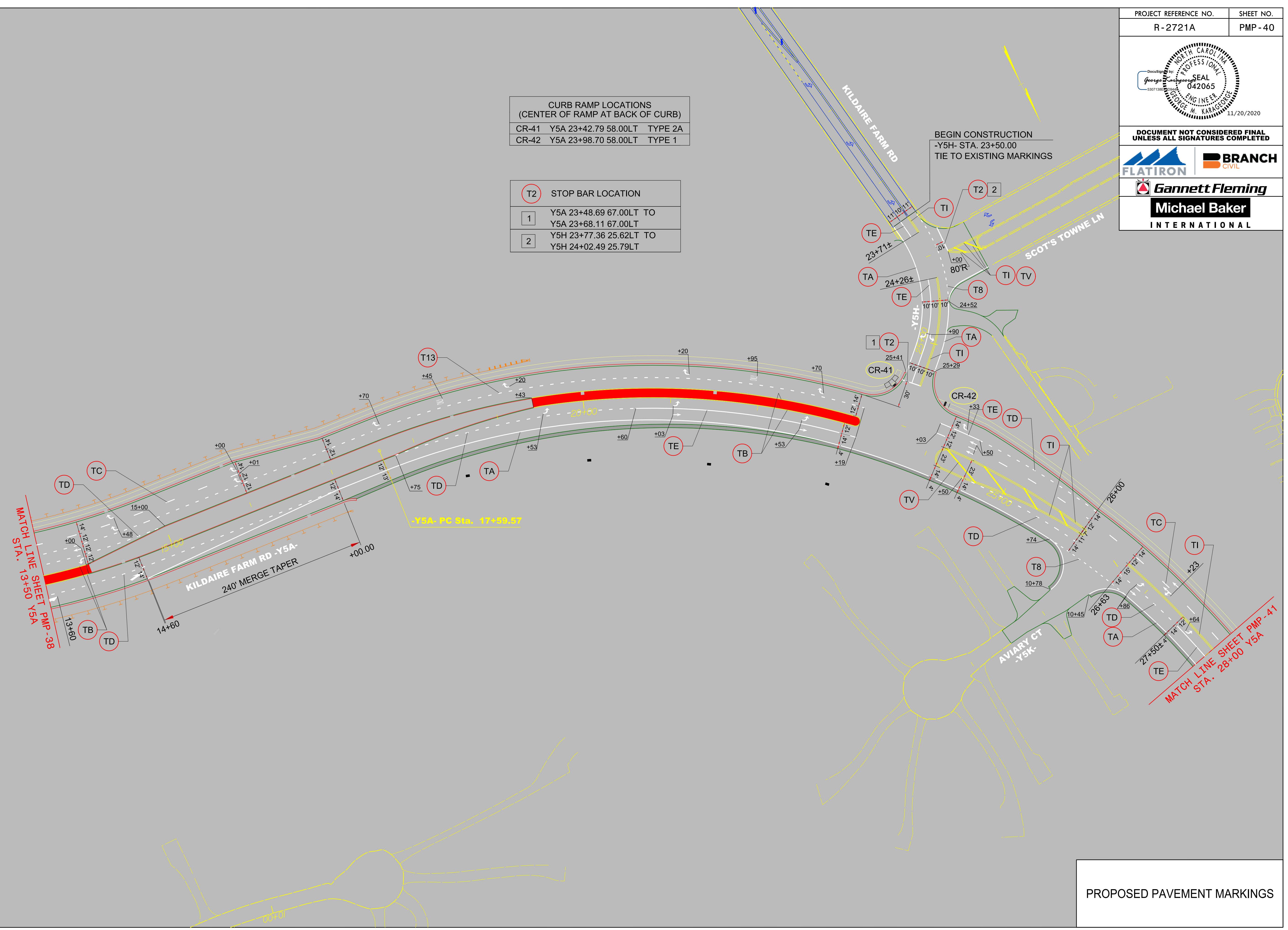


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)			
CR-41	Y5A 23+42.79	58.00LT	TYPE 2A
CR-42	Y5A 23+98.70	58.00LT	TYPE 1

T2	STOP BAR LOCATION
1	Y5A 23+48.69 67.00LT TO Y5A 23+68.11 67.00LT
2	Y5H 23+77.36 25.62LT TO Y5H 24+02.49 25.79LT



PROPOSED PAVEMENT MARKINGS

11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 40.dgn  
B:\gfm\ackenzie

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-41
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)		
CR-43	Y5A 28+95.05 40.37LT	TYPE 2A



11/19/2020  
 R:\Traffic\pavement Marking\PLAN SHEETS\R-2721A PMP 41.dgn  
 B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-1
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
<b>Michael Baker INTERNATIONAL</b>	

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
WAKE COUNTY  
DIVISION 5**

**T.I.P.: R-2721A**

**CONTRACT: C204196**

**INDEX**

SHEET NO.	DESCRIPTION
PMP-1	TITLE SHEET
PMP-2	PAVEMENT MARKING LEGEND
PMP-2A TO 2B	REVISED ROADWAY STANDARD DETAILS
PMP-2C	HI-VISIBILITY CROSSWALK TYPICAL DRAWING
PMP-3	DETAIL - BLACK/WHITE SKIP COMBINATION
PMP-4 TO 41	PROPOSED PAVEMENT MARKINGS

**ROADWAY STANDARD DRAWINGS**

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - 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 RAMP
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
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
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

**REVISED ROADWAY STANDARD DRAWINGS**

THE FOLLOWING REVISED ROADWAY STANDARDS ARE USED ON THIS PROJECT:

STD. NO.	TITLE	SHEET NO.
1205.D04	PAVEMENT MARKINGS - INTERSECTIONS (SHEET 2 OF 2)	PMP-2A
1205.D12	PAVEMENT MARKINGS - BRIDGES	PMP-2B

**GENERAL NOTES**

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

SURFACE TYPE	MARKING
ASPHALT SURFACES	EXTRUDED THERMOPLASTIC
CONCRETE SURFACES	POLYUREA WITH HIGHLY REFLECTIVE MEDIA ON BRIDGE DECKS USE COLD APPLIED PLASTIC OR POLYUREA AS AN OPTION

**PAVEMENT MARKERS**

TRAVEL LANES-CONCRETE OR ASPHALT ROADWAYS EXC. BRIDGE DECKS, SEE BELOW

SNOWPLOWABLE MARKERS ON MAINLINE (NC 540 -L-)  
MATCH EXISTING ON ALL OTHER ROADWAYS

**BRIDGE DECKS**

RAISED MARKERS ON MAINLINE  
MATCH EXISTING ON ALL OTHER ROADWAYS

- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) ALL STOP BAR DIMENSIONS ARE TO THE CENTER OF THE STOP BAR. ALL STOP BAR LOCATIONS AT SIGNALIZED INTERSECTIONS WERE DERIVED FROM THE SIGNAL PLANS.
- E) STOP BARS AT NON-SIGNALIZED INTERSECTIONS SHOULD BE INSTALLED AT A 10' OFFSET FROM THE EDGE OF TRAVEL WAY. OFFSET MAY BE ADJUSTED AS SHOWN IN THE PLANS, OR 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.
- G) USE 10' WIDTH FOR HI-VISIBILITY AND STANDARD CROSSWALKS, UNLESS OTHERWISE SHOWN.
- H) ALL CURB RAMPS ARE STATIONED AT BACK OF CURB. REFER TO ROADWAY PLANS AND ROADWAY STANDARD DRAWINGS FOR CURB RAMP DETAILS.
- I) CURB RAMP TYPES SHOWN IN THE PLANS MAYBE MODIFIED IN THE FIELD AS APPROVED BY THE ENGINEER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SELECT THE PROPER TYPE AND MEET ADA STANDARDS.

**RFC PAVEMENT MARKING PLANS  
RESUBMITTAL #1**

SUBMITTED: 11-20-2020

SUBMITTAL: # A-150-R1

GEORGE M. KARAGEORGE, PE  
TRAFFIC ENGINEER-NC OPERATIONS

BIRGIT C. MACKENZIE  
TRANSPORTATION DESIGNER

**Michael Baker**

**INTERNATIONAL**  
8000 Regency Parkway, Suite 600,  
Cary, NC 27518  
Phone: (919) 463-5488  
MBAKERINTL.COM  
PROFESSIONAL CORPORATION  
LICENSE NO. F-1084

## PAVEMENT MARKING LEGEND

POLYUREA PAVEMENT MARKING LINES				
CODE	COLOR	LINE WIDTH	DESCRIPTION	THICKNESS
V6	WHITE	6"	EDGE LINE	20 MILS
V7	YELLOW	6"	EDGE LINE	20 MILS
V14	WHITE	12"	MINISKIP 3FT-9FT	20 MILS
VJ	WHITE	6"	SKIP	20 MILS
VK	WHITE	6"	MINISKIP 3FT-9FT	20 MILS
VS	WHITE	12"	GORELINE	20 MILS
VT	WHITE	12"	LANELINE	20 MILS

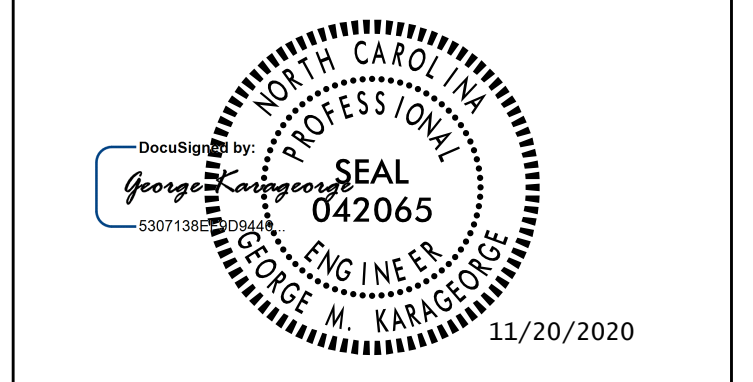
COLD APPLIED PLASTIC PAVEMENT MARKING LINES			
CODE	COLOR	LINE WIDTH	DESCRIPTION
C6	WHITE	6"	EDGE LINE
C7	YELLOW	6"	EDGE LINE
CA	WHITE	4"	EDGE LINE
CB	YELLOW	4"	EDGE LINE
CC	WHITE	4"	SKIP
CE	WHITE	4"	LANELINE
CF	YELLOW	4"	SKIP
CH	YELLOW	4"	CENTER SINGLE SOLID
CI	YELLOW	4"	DOUBLE CENTER SOLID/SOLID
CJ	WHITE	6"	SKIP
CV	YELLOW	12"	DIAGONAL

EPOXY PAVEMENT MARKING LINES			
CODE	COLOR	LINE WIDTH	DESCRIPTION
EJ	BLACK	4"	SKIP
EP	BLACK	6"	SKIP

THERMOPLASTIC PAVEMENT MARKING LINES				
CODE	COLOR	LINE WIDTH	DESCRIPTION	THICKNESS
T2	WHITE	24"	STOPBAR	90 MILS
T3	WHITE	24"	CROSSWALK LINE HI-VISIBILITY	90 MILS
T6	WHITE	6"	EDGE LINE	90 MILS
T7	YELLOW	6"	EDGE LINE	90 MILS
T8	WHITE	4"	MINISKIP 2FT-6FT	90 MILS
T9	YELLOW	4"	MINISKIP 2FT-6FT	90 MILS
T11	WHITE	6"	MINISKIP 2FT-6FT	90 MILS
T13	WHITE	8"	MINISKIP 3FT-9FT	90 MILS
T14	WHITE	12"	MINISKIP 3FT-9FT	90 MILS
TA	WHITE	4"	EDGE LINE	90 MILS
TB	YELLOW	4"	EDGE LINE	90 MILS
TC	WHITE	4"	SKIP	90 MILS
TD	WHITE	4"	MINISKIP 3FT-9FT	90 MILS
TE	WHITE	4"	LANELINE	90 MILS
TF	YELLOW	4"	SKIP	90 MILS
TH	YELLOW	4"	CENTER SINGLE SOLID	90 MILS
TI	YELLOW	4"	CENTER DOUBLE SOLID/SOLID	90 MILS
TJ	WHITE	6"	SKIP	90 MILS
TK	WHITE	6"	MINISKIP 3FT-9FT	90 MILS
TL	WHITE	6"	LANELINE	90 MILS
TN	WHITE	8"	GORELINE	90 MILS
TO	WHITE	8"	DIAGONAL	90 MILS
TP	YELLOW	8"	DIAGONAL	90 MILS
TQ	WHITE	8"	CROSSWALK	90 MILS
TR	WHITE	8"	LANELINE	90 MILS
TS	WHITE	12"	GORELINE	90 MILS
TT	WHITE	12"	LANELINE	90 MILS
TU	WHITE	12"	DIAGONAL	90 MILS
TV	YELLOW	12"	DIAGONAL	90 MILS

THERMOPLASTIC SYMBOLS & CHARACTERS				
SYMBOL	CODE	COLOR	DESCRIPTION	THICKNESS
	UA	WHITE	LEFT TURN ARROW	90 MILS
	UB	WHITE	RIGHT TURN ARROW	90 MILS
	UC	WHITE	STRAIGHT ARROW	90 MILS
	UD	WHITE	LEFT/STRAIGHT ARROW	90 MILS
	UE	WHITE	RIGHT/STRAIGHT ARROW	90 MILS
	UI	WHITE	ALPHANUMERIC CHARACTER	90 MILS
	UJ	WHITE	BICYCLE SYMBOL	90 MILS
	UK	WHITE	BICYCLE STRAIGHT ARROW	90 MILS
	UN	WHITE	24" YIELD LINE TRIANGLE SYMBOL	90 MILS
	UP	WHITE	MERGE ARROW	90 MILS
	UQ	WHITE	RAMP ARROW	90 MILS
	UZ	WHITE	ELONGATED STRAIGHT ARROW	90 MILS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-2
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



TIP NO. SHEET NO.

DocuSigned by: Matthew V. Springer

APPROVED: 8/13/2019

DATE: 8/13/2019

SEAL

STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

8-19

ENGLISH DETAIL DRAWING FOR  
PAVEMENT MARKINGS  
INTERSECTIONS

STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

8-19

ENGLISH DETAIL DRAWING FOR  
PAVEMENT MARKINGS  
INTERSECTIONS

**TWO-LANE, TWO-WAY ROADWAY**

\* STOP BAR, SEE NOTE 1  
\* WHITE 2'-6"/SP MINI-SKIP LINE, SEE NOTE 3  
10' TYP.

**TWO-LANE, TWO-WAY ROADWAY WITH TWO-WAY LEFT TURN LANE**

\* STOP BAR, SEE NOTE 1  
\* WHITE 2'-6"/SP MINI-SKIP LINE, SEE NOTE 3  
10' TYP. 160'

**UNDIVIDED MULTI-LANE ROADWAY**

\* STOP BAR, SEE NOTE 1  
\* WHITE 2'-6"/SP MINI-SKIP LINE, SEE NOTE 3  
150' 60' 10' TYP.  
\* WHITE 2'-6"/SP MINI-SKIP LINES, SEE NOTE 2

**DIVIDED MULTI-LANE ROADWAY WITH TURN BAY**

MONOLITHIC ISLANDS SHALL BE DELINEATED BY ONE OR MORE OF THE FOLLOWING METHODS: MARKED WITH EDGE LINES, A RETROREFLECTIVE COATING APPLIED TO ISLAND EDGES OR APPROVED DELINEATION DEVICES

\* STOP BAR, SEE NOTE 1  
\* WHITE 2'-6"/SP MINI-SKIP LINE, SEE NOTE 3  
YELLOW 2'-6"/SP MINI-SKIP LINE  
150' 60'  
CONTINUE EDGE LINE AROUND MEDIAN  
WHITE 2'-6"/SP MINI-SKIP LINE  
REFER TO STD. 1205.05 FOR TURN LANE MARKING GUIDANCE

**DIVIDED MULTI-LANE ROADWAY WITH WIDE MEDIAN CROSSOVER**

\* STOP BAR, SEE NOTE 1  
\* WHITE 2'-6"/SP MINI-SKIP LINE, SEE NOTE 3  
YELLOW 2'-6"/SP MINI-SKIP LINES  
CONTINUE EDGE LINE AROUND MEDIAN  
150' 60' >30' REF.

USE DOUBLE YELLOW CENTER LINE AND ARROW SYMBOLS IN MEDIAN CROSSOVER WHEN WIDTH OF MEDIAN EXCEEDS 30 FT, OTHERWISE THEY ARE NOT REQUIRED.

**GENERAL NOTES:**

- 1- PLACEMENT OF STOP BARS AT NON-SIGNALIZED INTERSECTIONS IS OPTIONAL AND USED WHERE IT IS IMPORTANT TO INDICATE THE POINT WHICH VEHICLES ARE REQUIRED TO STOP. PLACE STOP BARS NO LESS THAN 4 FEET AND NO MORE THAN 30 FEET FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY. USE 10 FEET AS THE TYPICAL SETBACK DISTANCE OR AS DIRECTED BY THE ENGINEER.
- 2- MINI-SKIP LANE LINE EXTENSIONS SHOULD BE USED AT INTERSECTIONS THAT HAVE REDUCED VISIBILITY CONDITIONS SUCH AS OFFSET, SKEWED, OR CURVED ROADWAYS.
- 3- MINI-SKIP EDGE LINE EXTENSIONS MAY BE PLACED THROUGH INTERSECTIONS AND MAJOR DRIVEWAYS.
- 4- REFER TO ROADWAY STANDARD DRAWINGS 1205.01, 1205.02, 1205.05, 1205.08 AND 1205.09 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

**LEGEND**

<p>○ STOP SIGN</p> <p>▣ DIRECTION OF TRAFFIC FLOW</p> <p>* OPTIONAL</p>	<p>└ STATIONARY SIGN</p> <p>↔ PAVEMENT MARKING SYMBOLS</p>
---	--

SHEET 2 OF 2  
**1205D04**

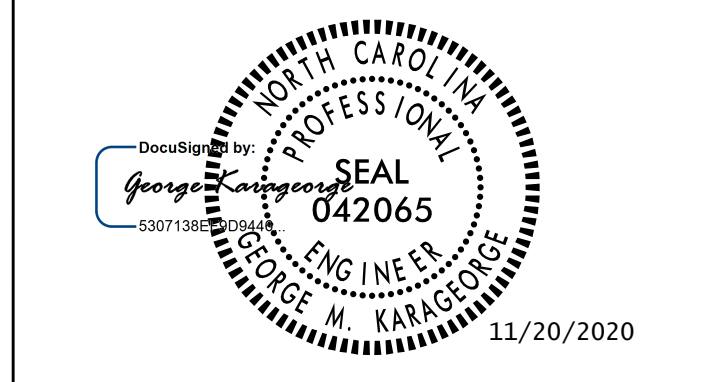
SHEET 2 OF 2  
**1205D04**

**REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING**

REVISED ROADWAY STANDARD DRAWING 1205D04

11/19/2020 R:\Traffic\ Pavement Marking\PLAN SHEETS\R-2721A PMP 02A RSD 1205D04.dgn B:\g\l\mckenzie

User:rls\rls User:rls\rls



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



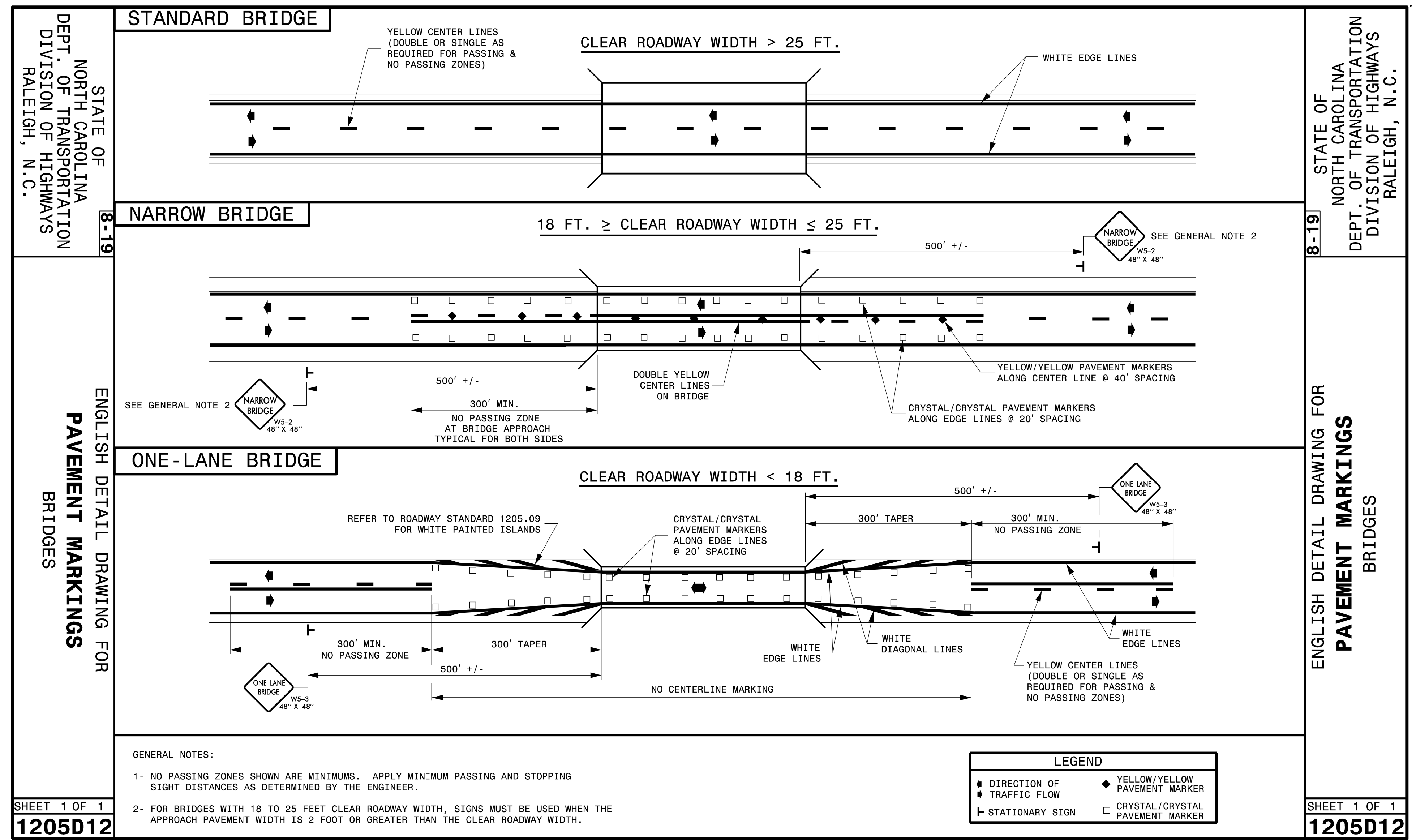
TIP NO. SHEET NO.

DocuSigned by: *Matthew V. Springer*

APPROVED: *Matthew V. Springer*

DATE: 8/30/2019

SEAL



REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING

REVISED ROADWAY STANDARD DRAWING 1205D12

11/19/2020 R:\Traffic\Pavement Marking\PLAN SHEETS\1205D12\1205D12.dgn B:\gjf-mackenzie

06/20/19 Standards Group\Standards and Drawings\Drawings\2018 Standard Drawings\2018-08-29-18.dgn User:dstokes

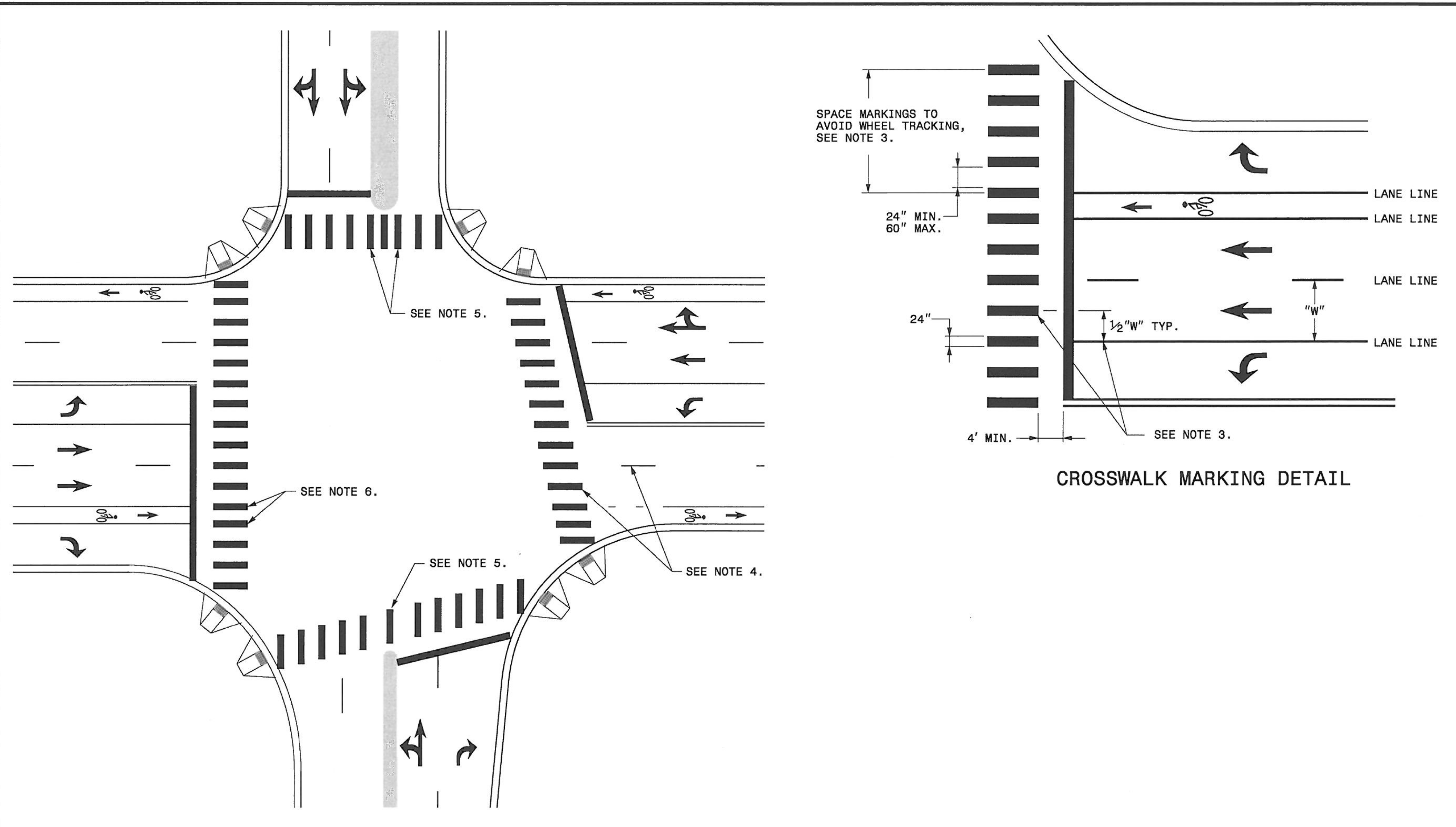
DRAWING PROVIDED BY NCDOT

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

ENGLISH TYPICAL DRAWING FOR  
**PAVEMENT MARKINGS**  
HI-VISIBILITY CROSSWALKS  
NO-TRACK MARKING GUIDANCE

SHEET 1 OF 1



CROSSWALK INTERSECTION DETAIL

GENERAL NOTES:

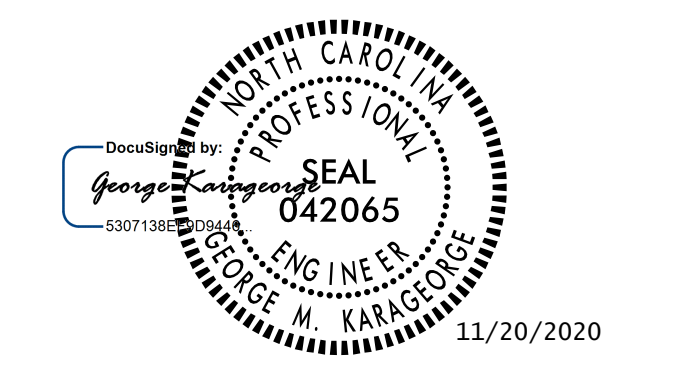
- 1- THE GUIDANCE IN THIS DETAIL IS TO BE USED WHEN NO-TRACK SPACING OF HI-VISIBILITY MARKINGS IS REQUESTED.
- 2- USE THE GUIDANCE SHOWN ON THE ABOVE DETAILS IN CONJUNCTION WITH PAVEMENT MARKING GUIDANCE SHOWN ON ROADWAY STANDARD DRAWINGS 1205.01 AND 1205.07.
- 3- PLACE MARKINGS TO AVOID WHEELPATH OF VEHICLES. MARKINGS TYPICALLY WILL BE LOCATED CENTERED AT THE LANE LINES AND EDGE LINES WITH ONE ADDITIONAL MARKING CENTERED IN THE MIDDLE OF THE LANE. AT WIDE LANE WIDTHS DUE TO TAPERS AND LARGE RADII, LOCATE MARKINGS AT BEST SPACING TO AVOID WHEEL TRACKING. THE SPACE BETWEEN MARKINGS SHALL NOT BE LESS THAN 24 INCHES OR GREATER THAN 60 INCHES.
- 4- WHERE THE CROSSWALK IS SKEWED TO THE LANE LINES, THE MARKINGS SHOULD BE PARALLEL TO THE LANE LINES.
- 5- PLACE MARKINGS ON BOTH EDGES OF THE NOSE OF A MEDIAN. FOR NARROW MEDIANS LESS THAN 4 FEET, A SINGLE MARKING MAY BE USED. FOR WIDE MEDIANS, INSTALL ADDITIONAL MARKINGS IN THE MEDIAN AREA. THE SPACE BETWEEN THE MARKINGS SHALL NOT TO BE LESS THAN 24 INCHES OR GREATER THAN 60 INCHES.
- 6- LOCATE MARKINGS CENTERED ON BICYCLE LANE LINES. MARKINGS SHALL NOT BE LOCATED IN THE CENTER OF THE BICYCLE PATH.

STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

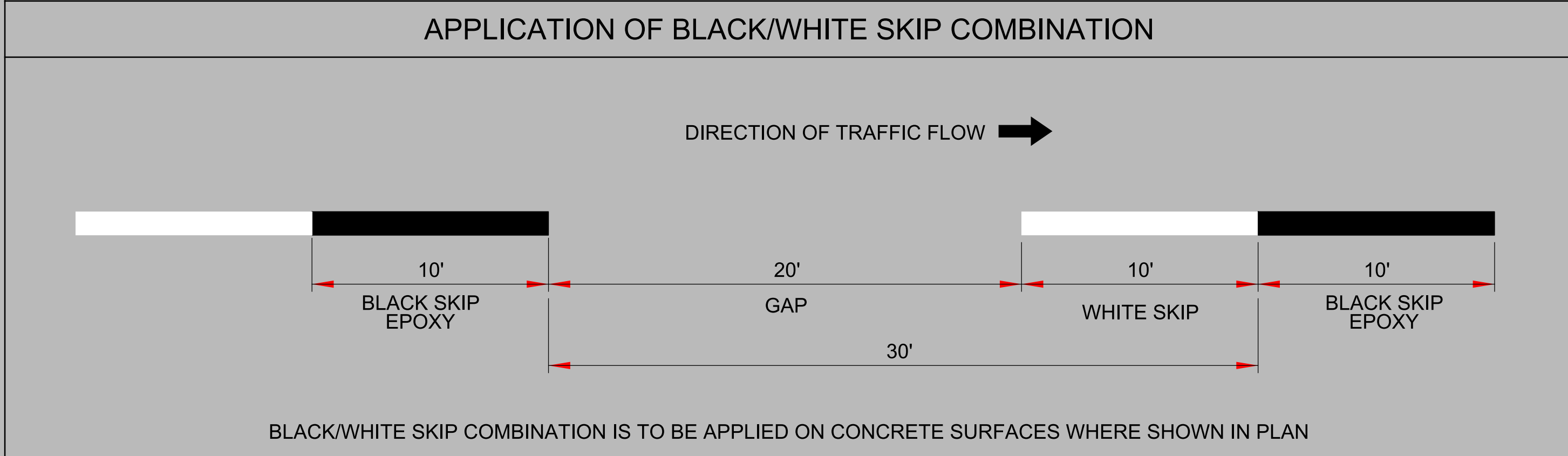
ENGLISH TYPICAL DRAWING FOR  
**PAVEMENT MARKINGS**  
HI-VISIBILITY CROSSWALKS  
NO-TRACK MARKING GUIDANCE

SHEET 1 OF 1

11/19/2020  
 R:\Traffic\pavement Marking\PLAN SHEETS\R-2721A PMP 02C TYP HI-VIS CROSSWALK.dgn  
 Bit-Git-Mackenzie



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

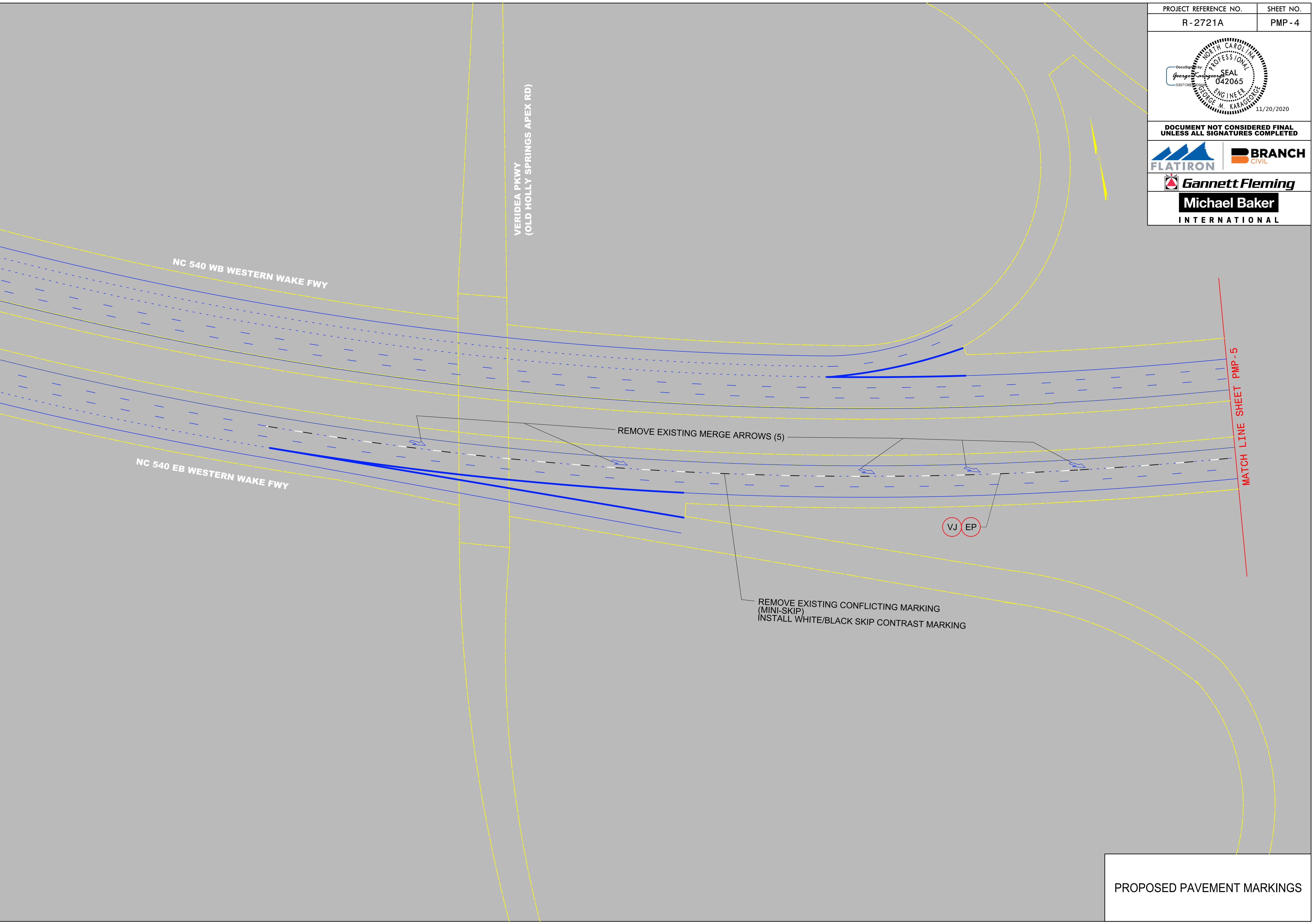


11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 03 PM BW SKIP COMBO DETAIL.dgn  
 B:\gfmackenzie

BLACK/WHITE SKIP COMBINATION  
PAVEMENT MARKING  
DETAIL



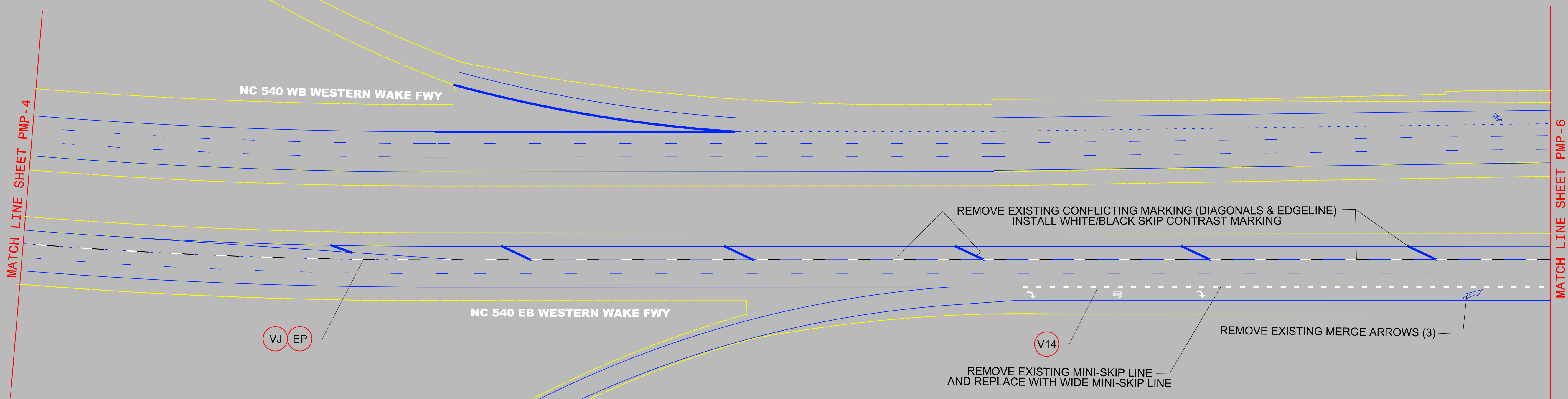
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 04.dgn  
B:\gfl-mackenzie

PROPOSED PAVEMENT MARKINGS

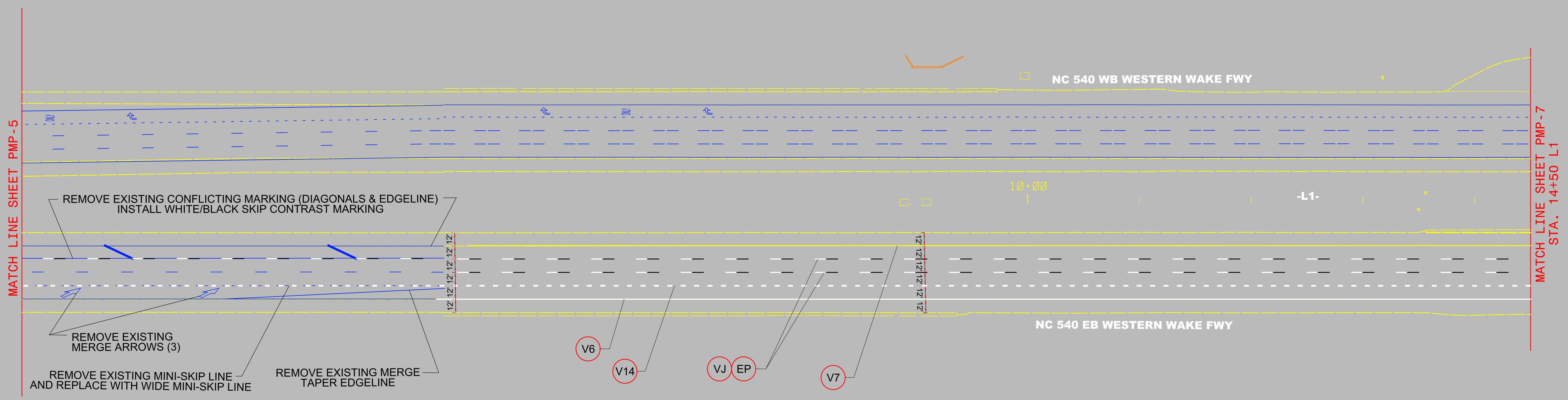
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-5
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PROPOSED PAVEMENT MARKINGS

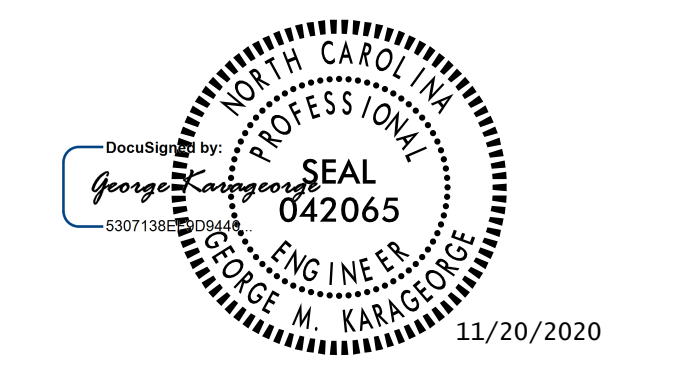
11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 05.dgn  
B:\gfl-mackenzie

PROJECT REFERENCE NO. R-2721A	SHEET NO. PMP-6
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
<b>Michael Baker</b> INTERNATIONAL	

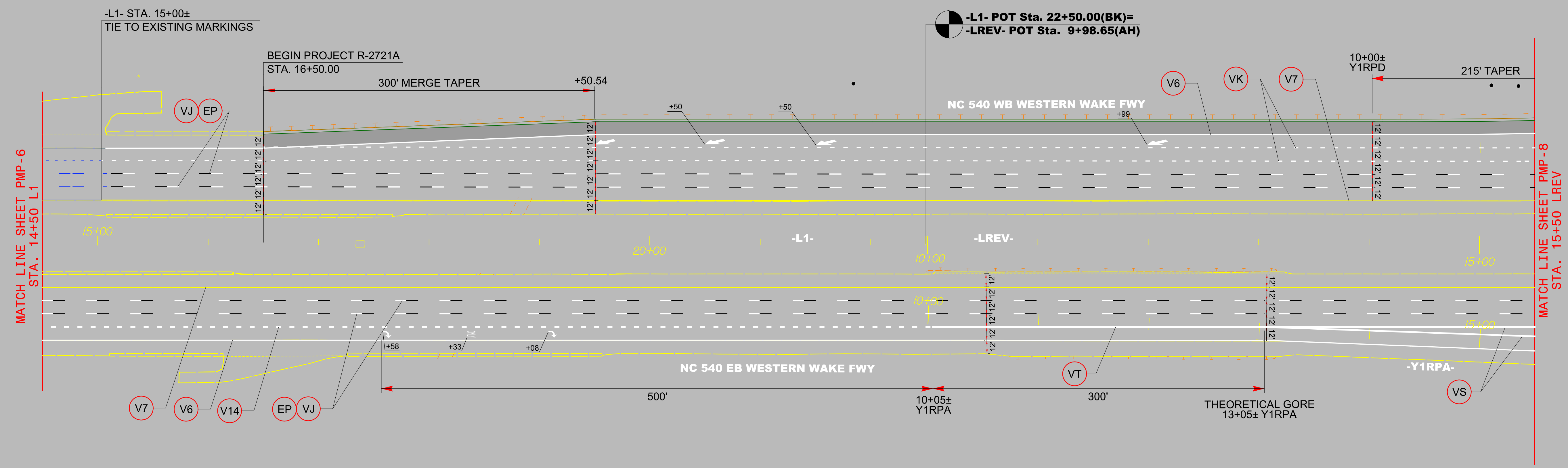


11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 06.dgn  
B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS



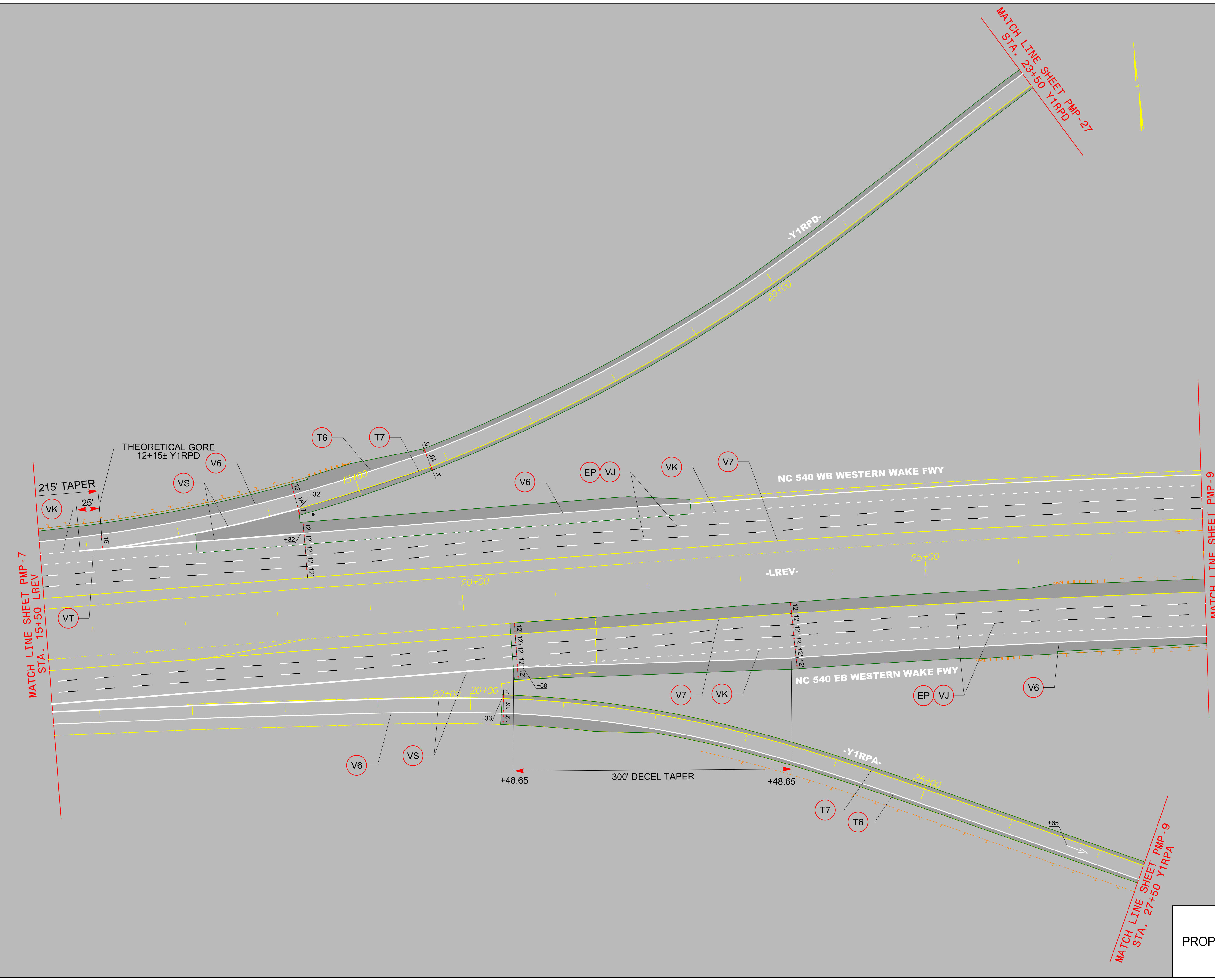
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 07.dgn  
B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-8
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

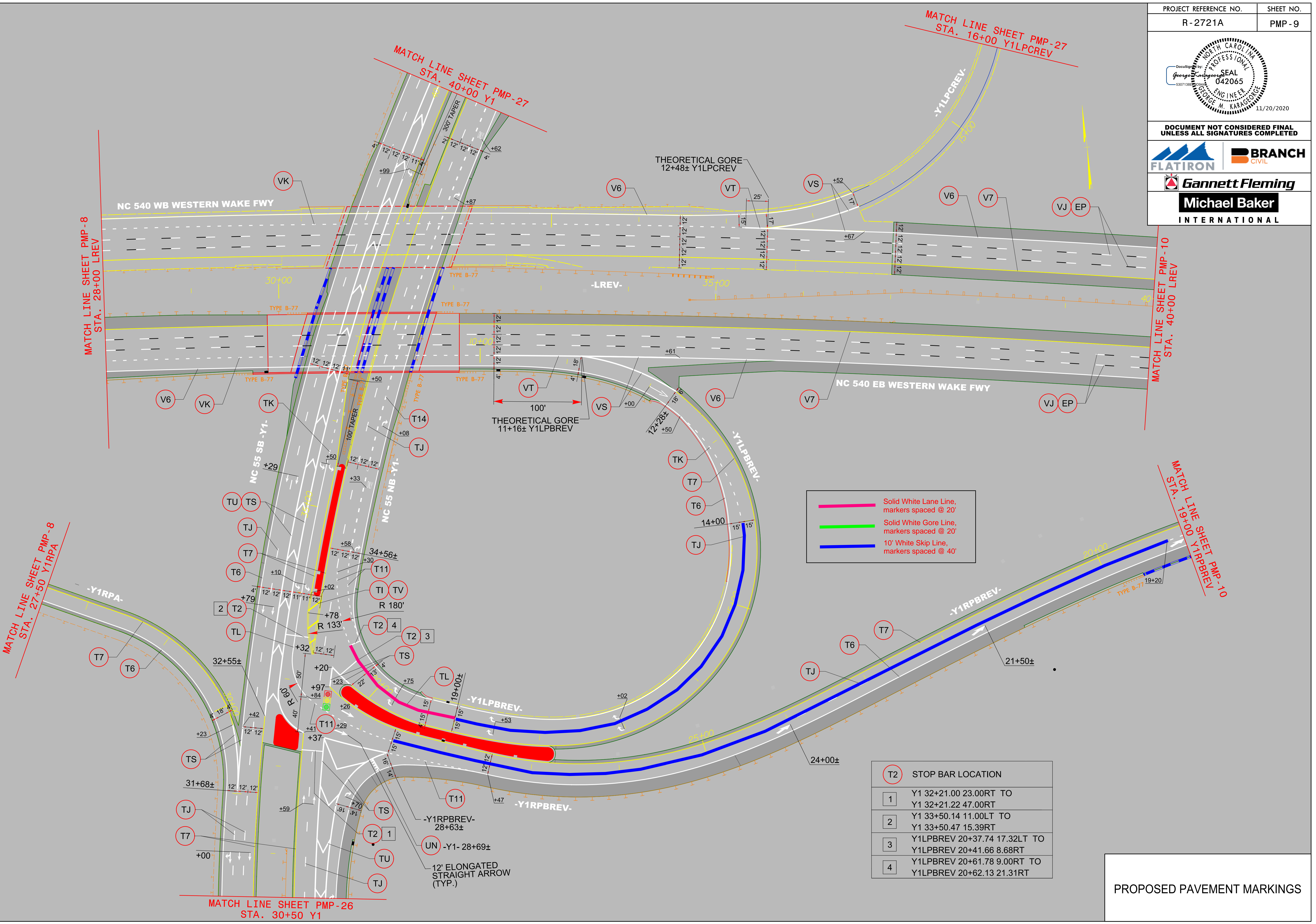


11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP-08.dgn  
 Birtg-Mackenzie

PROPOSED PAVEMENT MARKINGS



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



- Solid White Lane Line, markers spaced @ 20'
- Solid White Gore Line, markers spaced @ 20'
- 10' White Skip Line, markers spaced @ 40'

T2	STOP BAR LOCATION
1	Y1 32+21.00 23.00RT TO Y1 32+21.22 47.00RT
2	Y1 33+50.14 11.00LT TO Y1 33+50.47 15.39RT
3	Y1LPBREV 20+37.74 17.32LT TO Y1LPBREV 20+41.66 8.68RT
4	Y1LPBREV 20+61.78 9.00RT TO Y1LPBREV 20+62.13 21.31RT

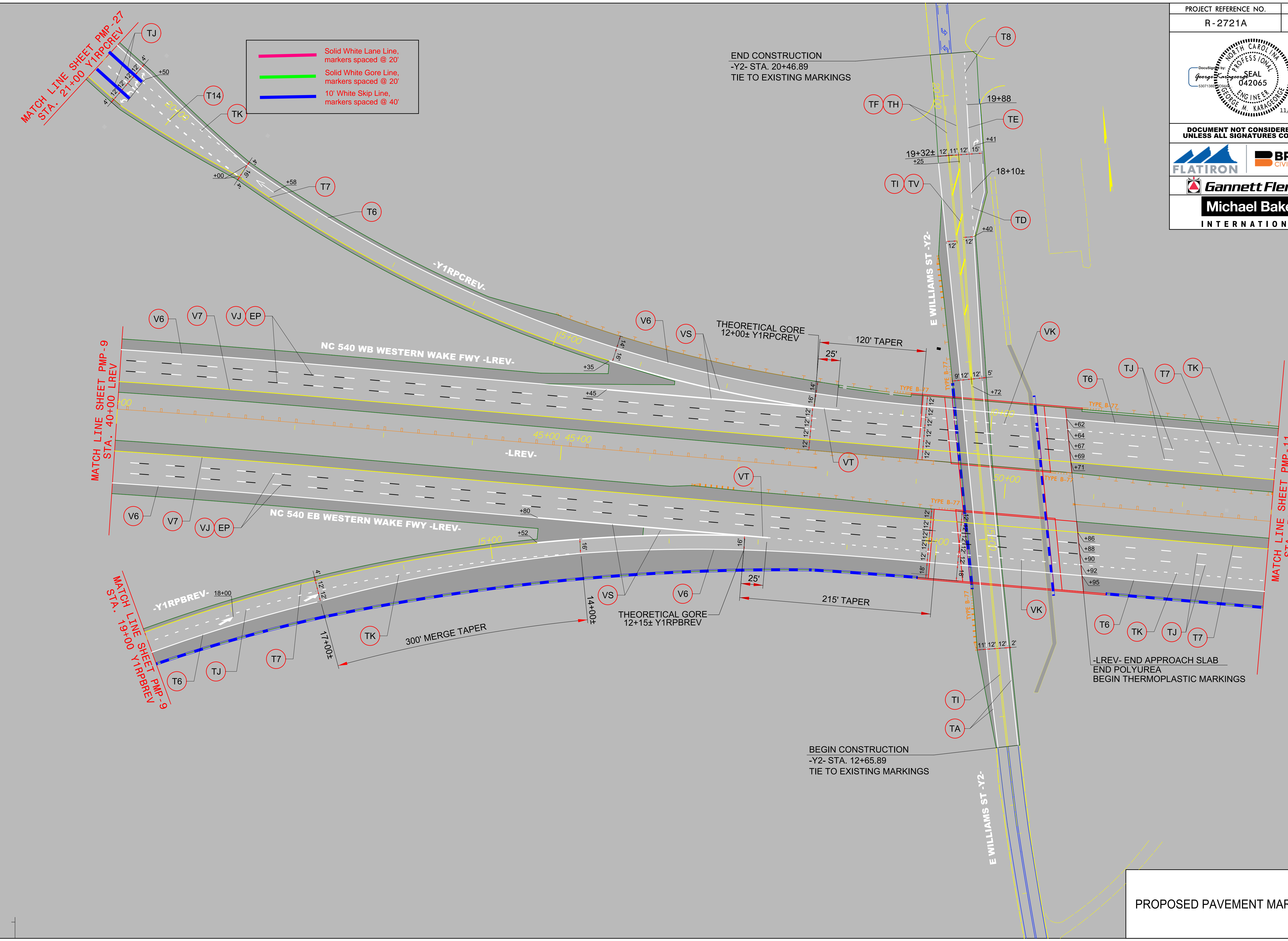
PROPOSED PAVEMENT MARKINGS

11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 09.dgn  
 B:\glf\Mackenzie

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-10

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

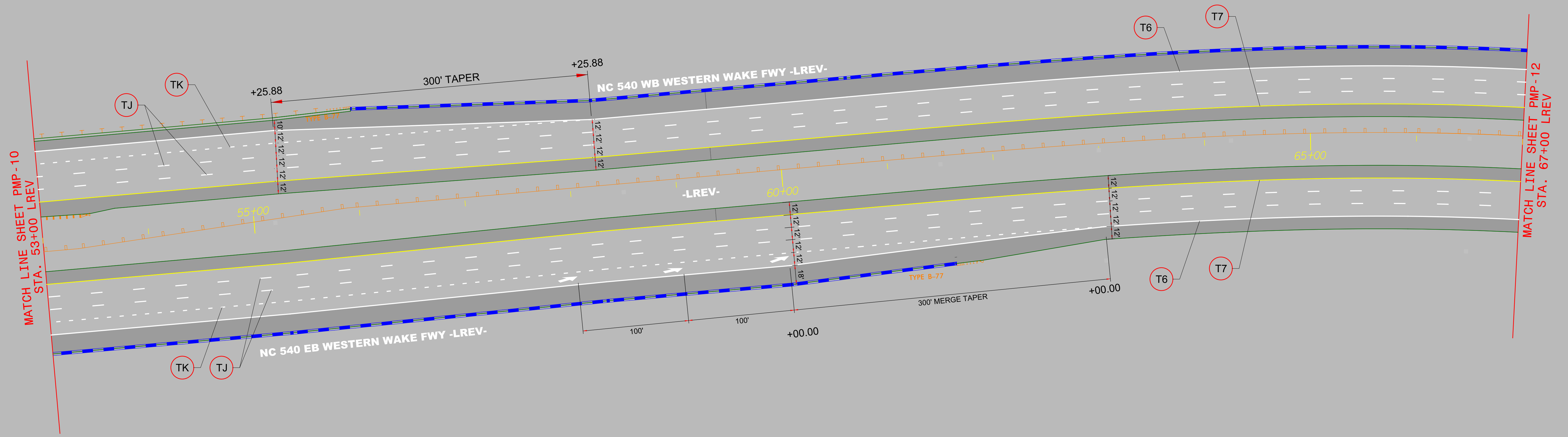
**Gannett Fleming**  
**Michael Baker INTERNATIONAL**



11/19/2020  
R:\Traffic\pavement Marking\PLAN SHEETS\R-2721A PMP 10.dgn  
Bridg-Mackenzie

PROPOSED PAVEMENT MARKINGS

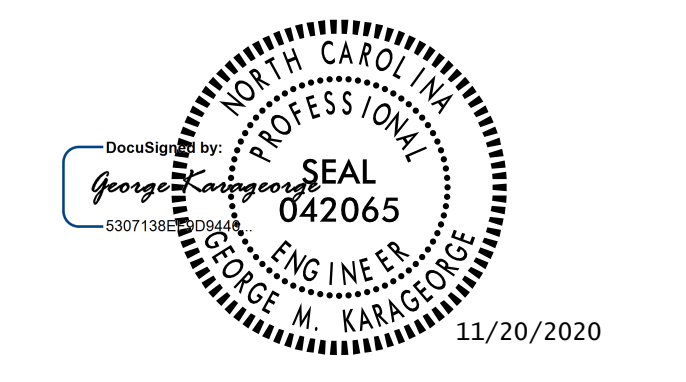
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-11
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



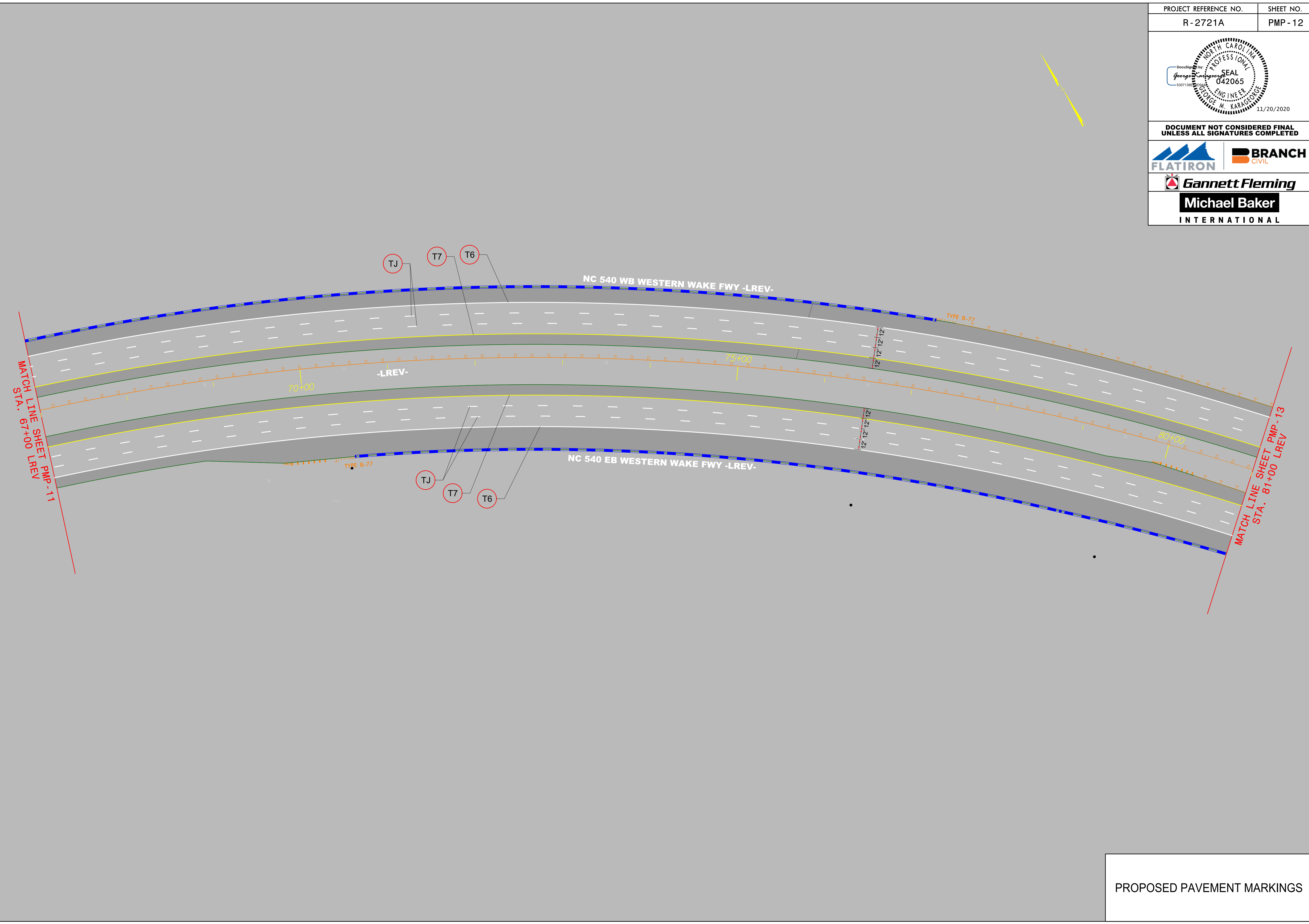
11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 11.dgn  
 Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-12



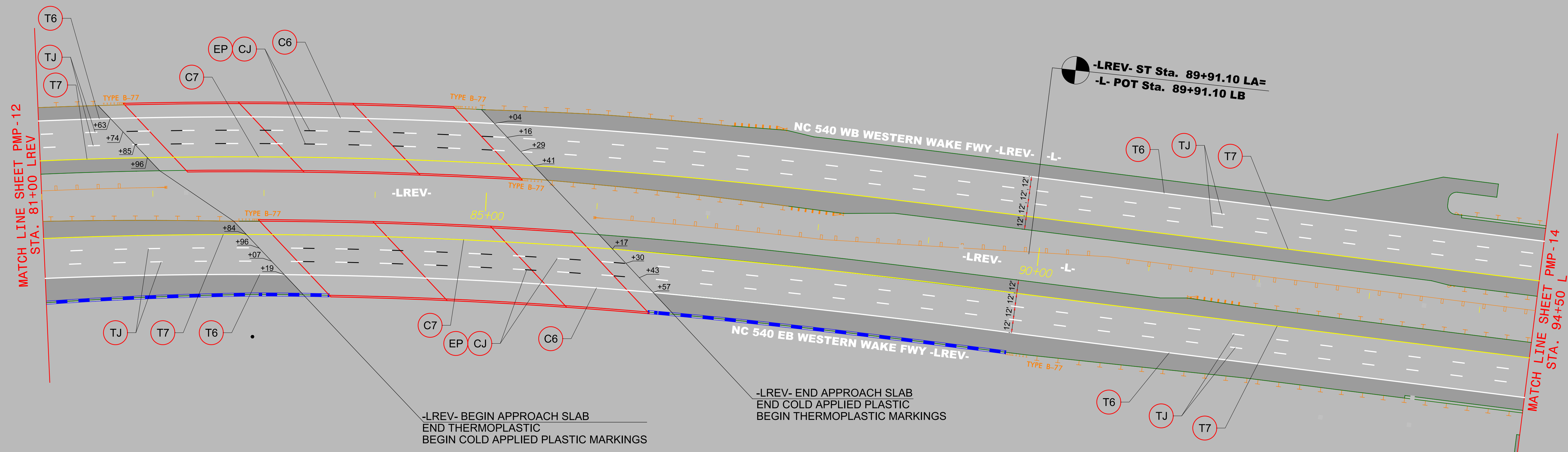
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 12.dgn  
Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-13
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

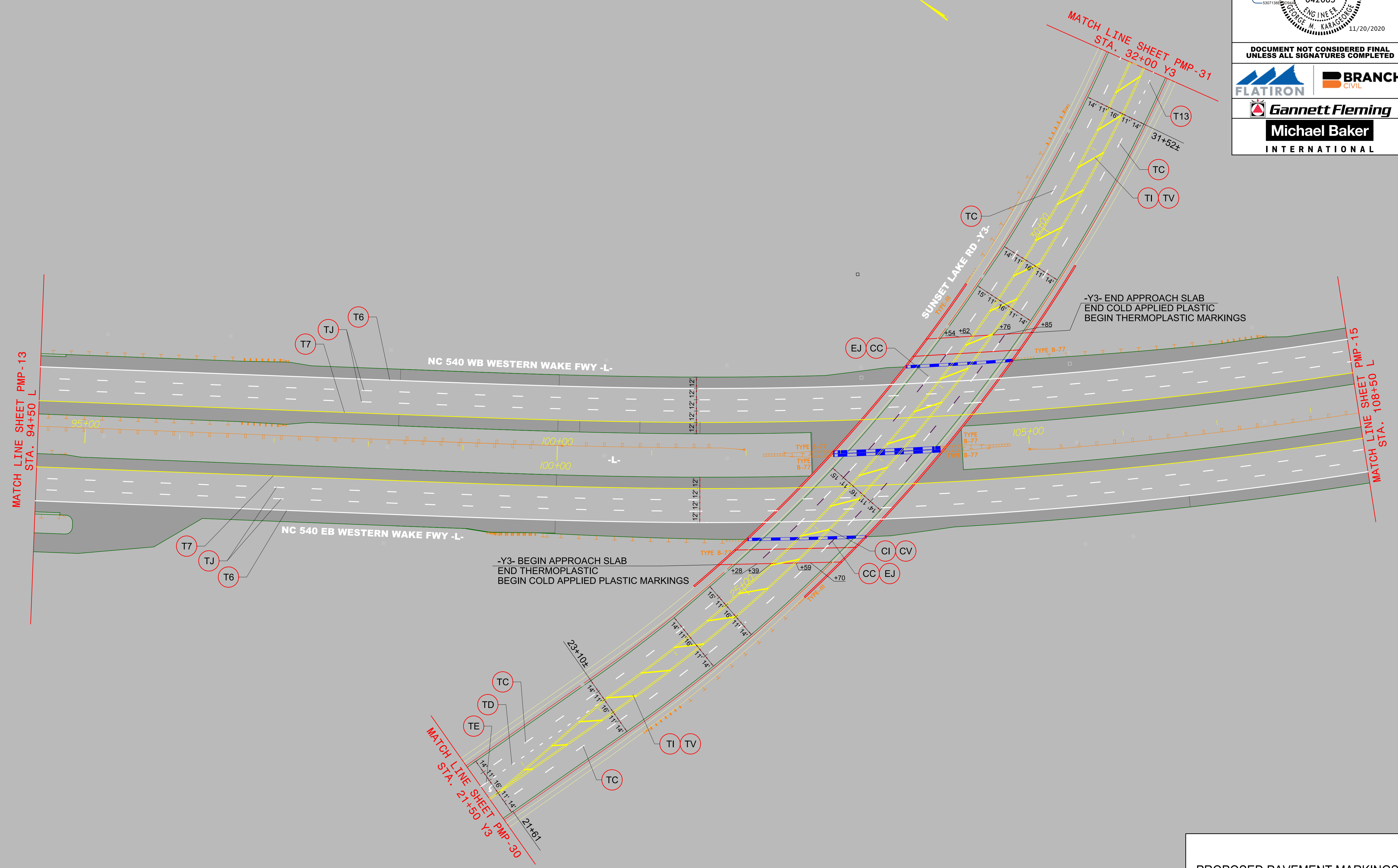


11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 13.dgn  
Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS

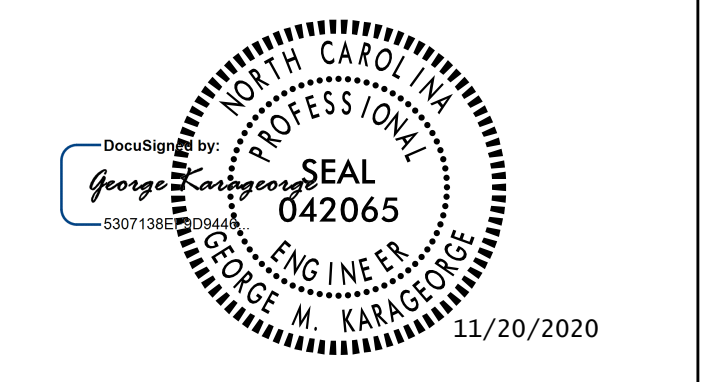


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PROPOSED PAVEMENT MARKINGS

11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 14.dgn  
B:\gfm\ackenzie



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



CURB RAMP LOCATIONS  
(CENTER OF RAMP AT BACK OF CURB)  
CR-52 INSTALL AS SHOWN STANDARD

RIVER FALLS DR DOES NOT HAVE AN  
ALIGNMENT.  
INSTALL CURB RAMP ADJACENT TO  
PROPOSED C&G

MATCH LINE SHEET PMP-14  
STA. 108+50 L

MATCH LINE SHEET PMP-16  
STA. 122+00 L

NC 540 WB WESTERN WAKE FWY -L-

NC 540 EB WESTERN WAKE FWY -L-

T7 TJ T6

T7 TJ T6

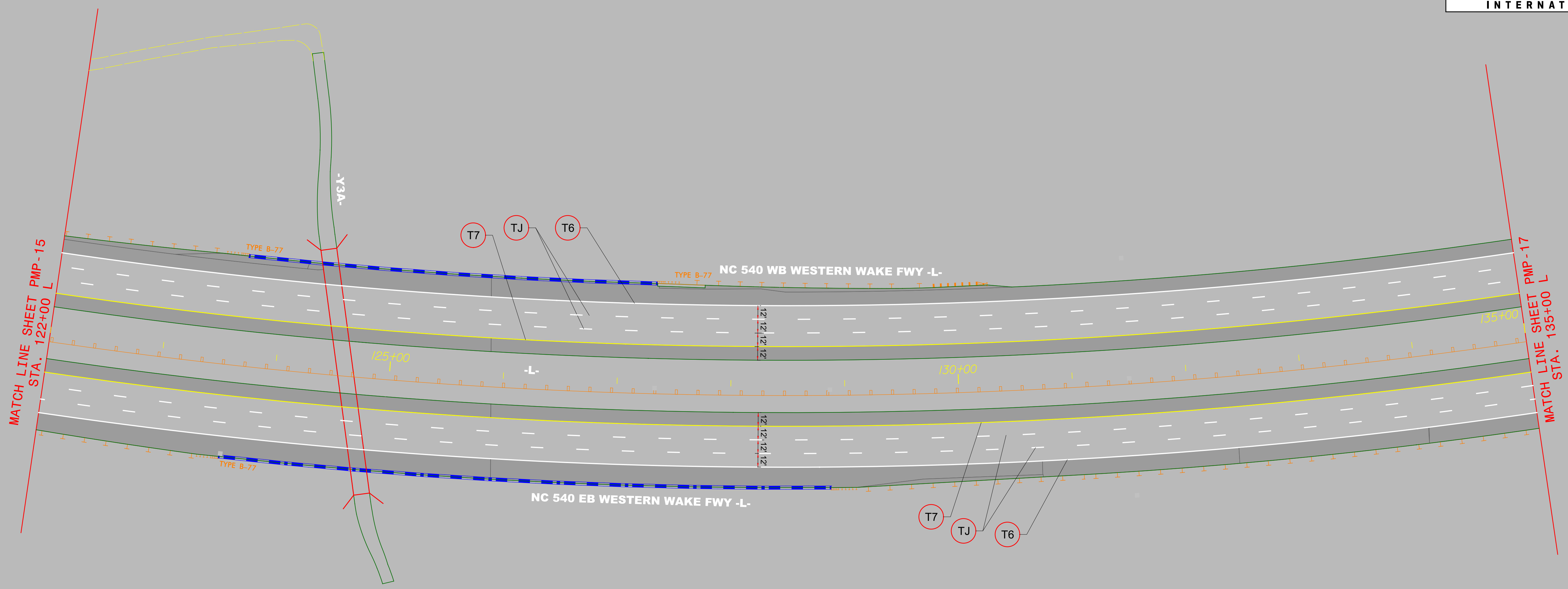
CR-52

11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 15.dgn  
Birtch-Mackenzie

PROPOSED PAVEMENT MARKINGS

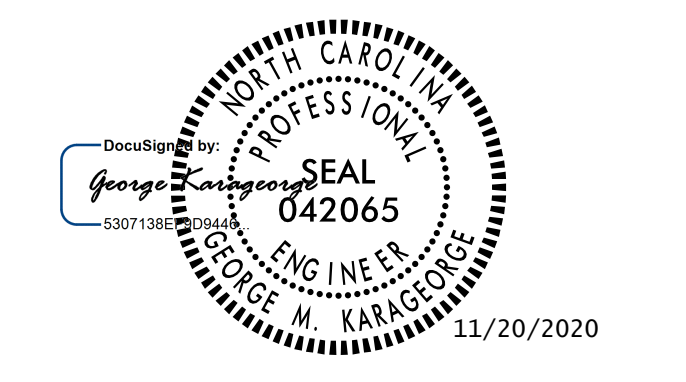


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

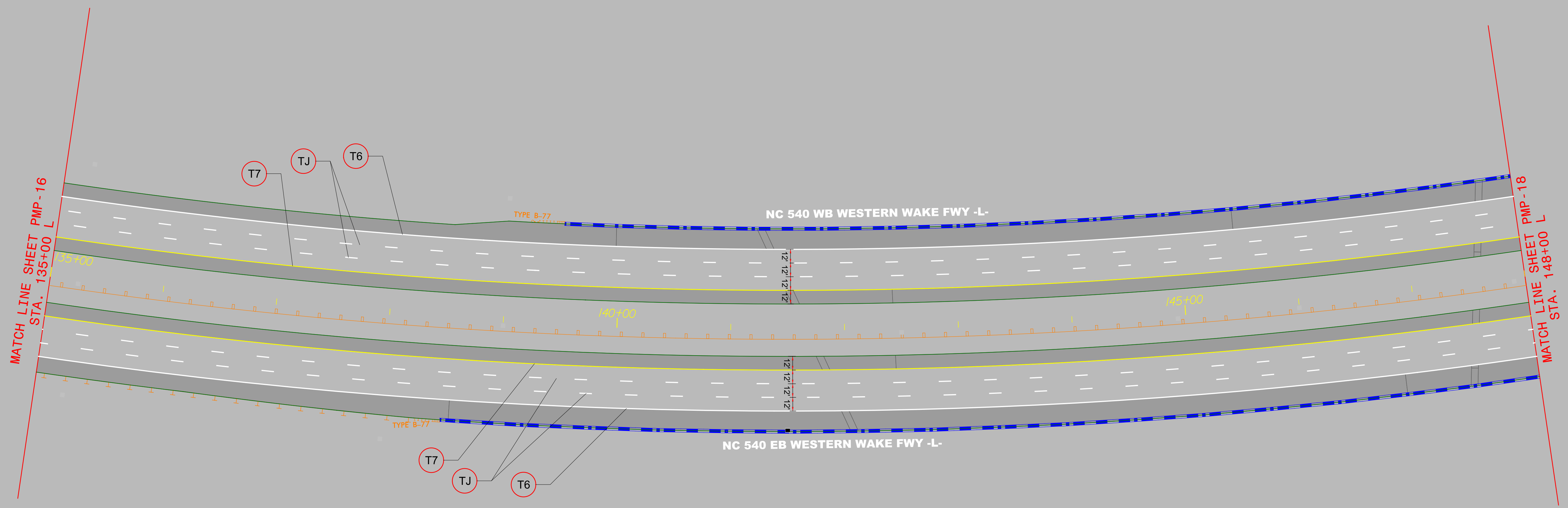


11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 16.dgn  
Birtch-Mackenzie

PROPOSED PAVEMENT MARKINGS

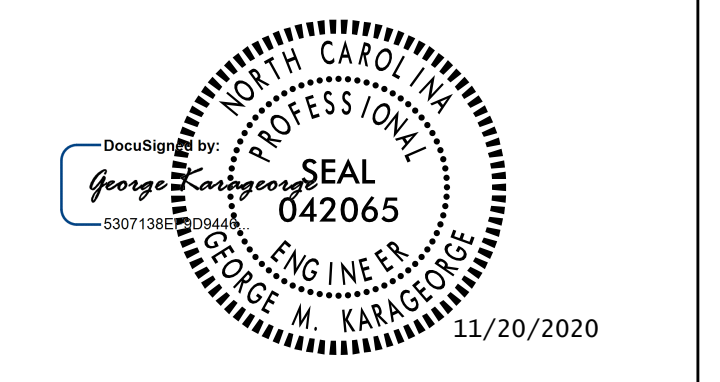


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

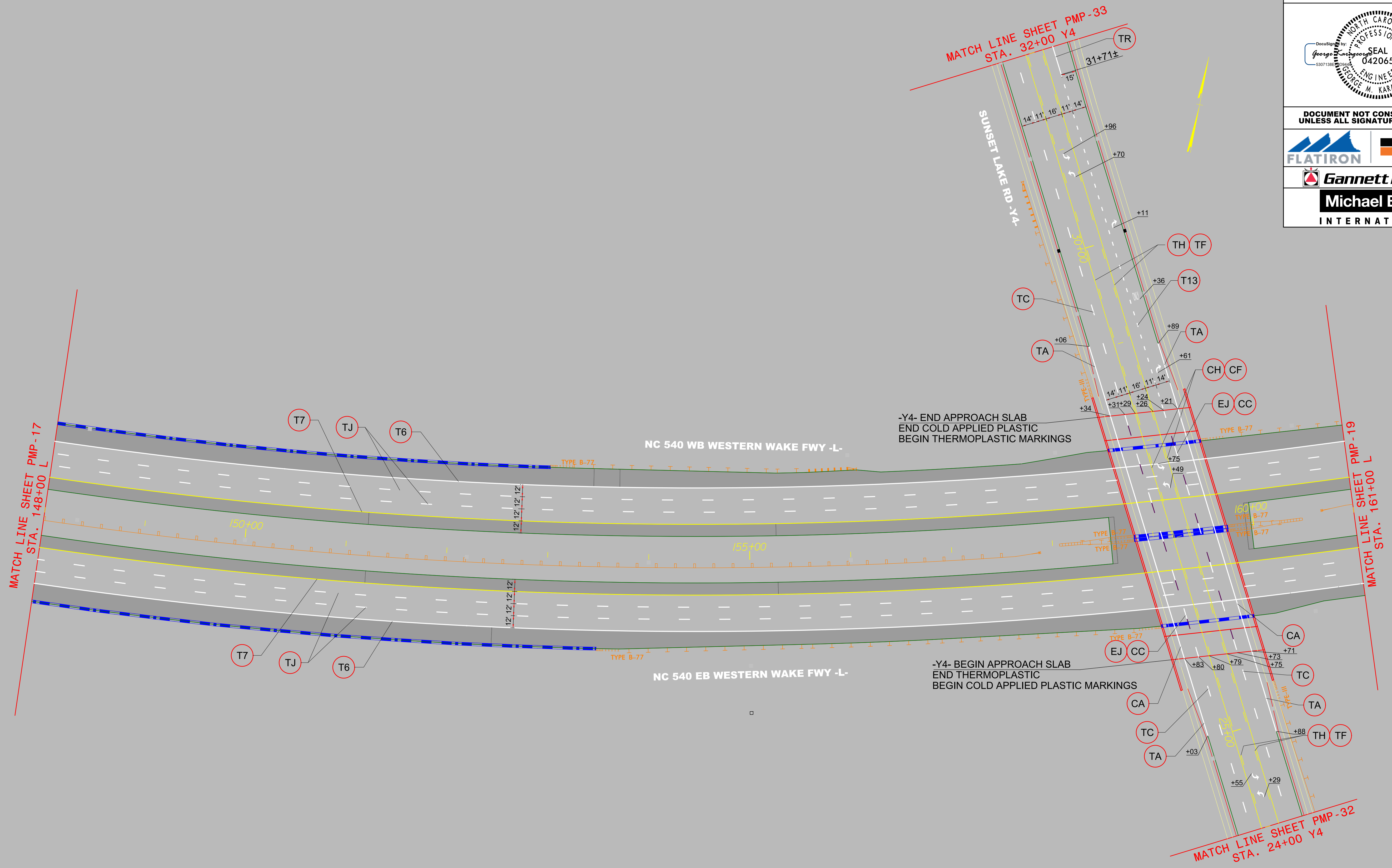


11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 17.dgn  
Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS



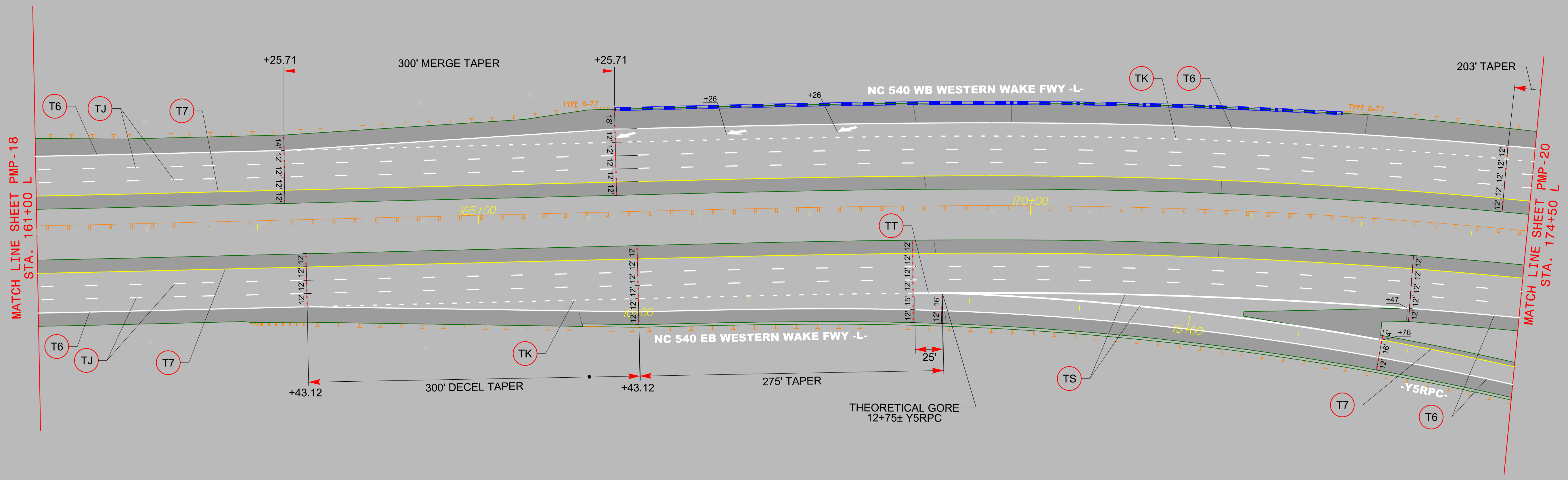
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



11/20/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 18.dgn  
Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-19
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 19.dgn  
 Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 20.dgn  
Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS

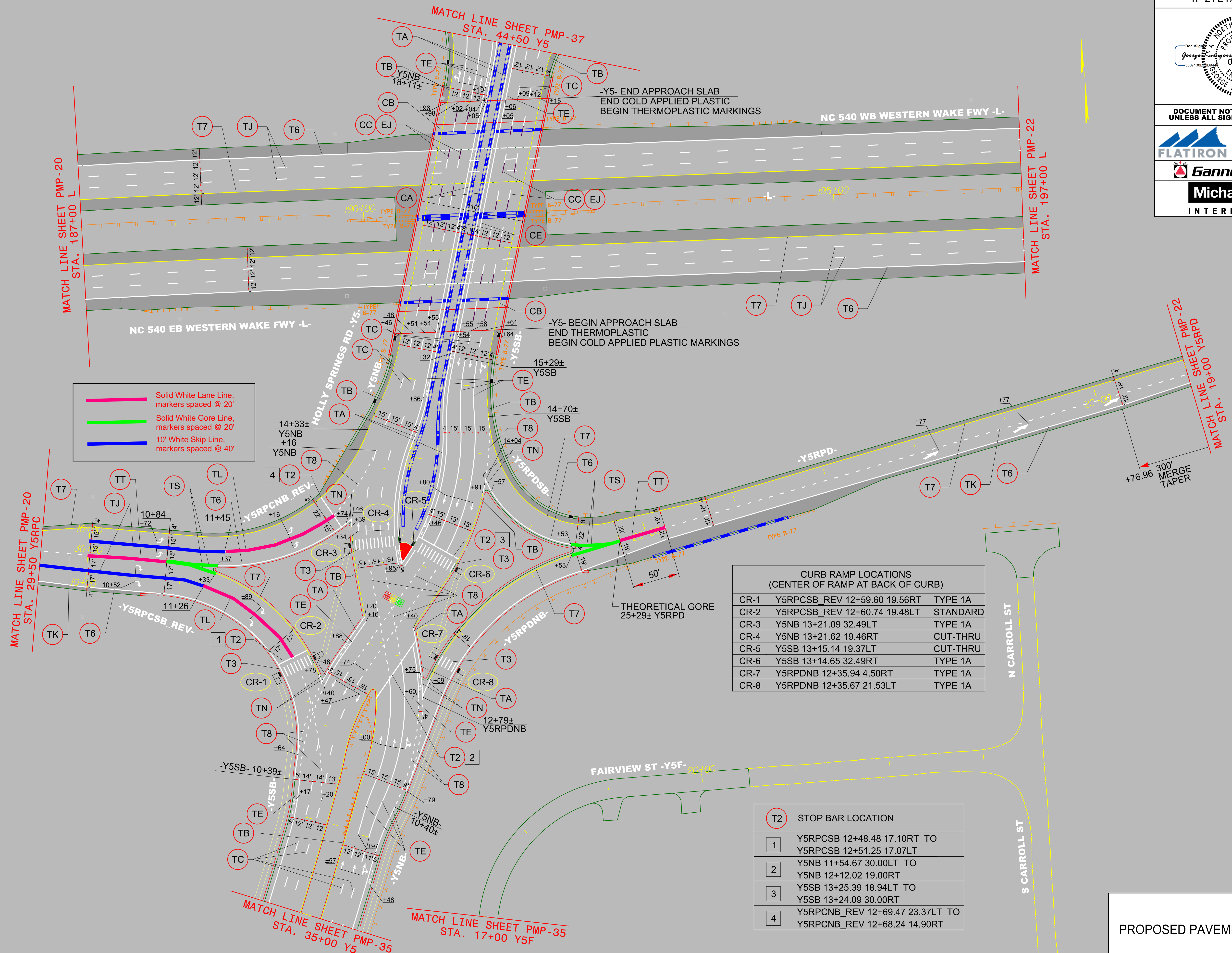
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-21

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**FLATIRON** **BRANCH CIVIL**

**Gannett Fleming**

**Michael Baker INTERNATIONAL**



— Solid White Lane Line, markers spaced @ 20'  
— Solid White Gore Line, markers spaced @ 20'  
— 10' White Skip Line, markers spaced @ 40'

**CURB RAMP LOCATIONS  
(CENTER OF RAMP AT BACK OF CURB)**

CR-1	Y5RPCSB_REV	12+59.60	19.56RT	TYPE 1A
CR-2	Y5RPCSB_REV	12+60.74	19.48LT	STANDARD
CR-3	Y5NB	13+21.09	32.49LT	TYPE 1A
CR-4	Y5NB	13+21.62	19.46RT	CUT-THRU
CR-5	Y5SB	13+15.14	19.37LT	CUT-THRU
CR-6	Y5SB	13+14.65	32.49RT	TYPE 1A
CR-7	Y5RPDNB	12+35.94	4.50RT	TYPE 1A
CR-8	Y5RPDNB	12+35.67	21.53LT	TYPE 1A

**T2 STOP BAR LOCATION**

1	Y5RPCSB 12+48.48 17.10RT TO Y5RPCSB 12+51.25 17.07LT
2	Y5NB 11+54.67 30.00LT TO Y5NB 12+12.02 19.00RT
3	Y5SB 13+25.39 18.94LT TO Y5SB 13+24.09 30.00RT
4	Y5RPCNB_REV 12+69.47 23.37LT TO Y5RPCNB_REV 12+68.24 14.90RT

PROPOSED PAVEMENT MARKINGS

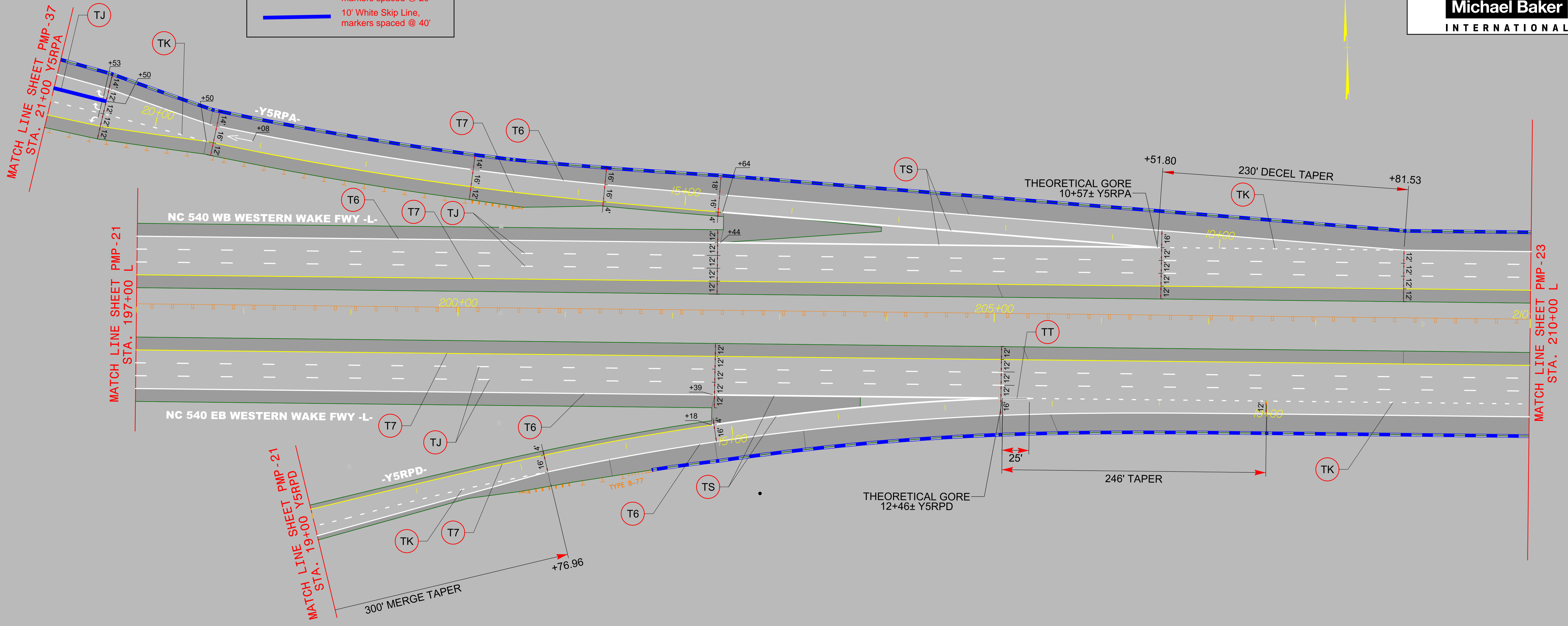
11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 21.dgn  
 B:\G1-Mackenzie



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



- Solid White Lane Line, markers spaced @ 20'
- Solid White Gore Line, markers spaced @ 20'
- 10' White Skip Line, markers spaced @ 40'

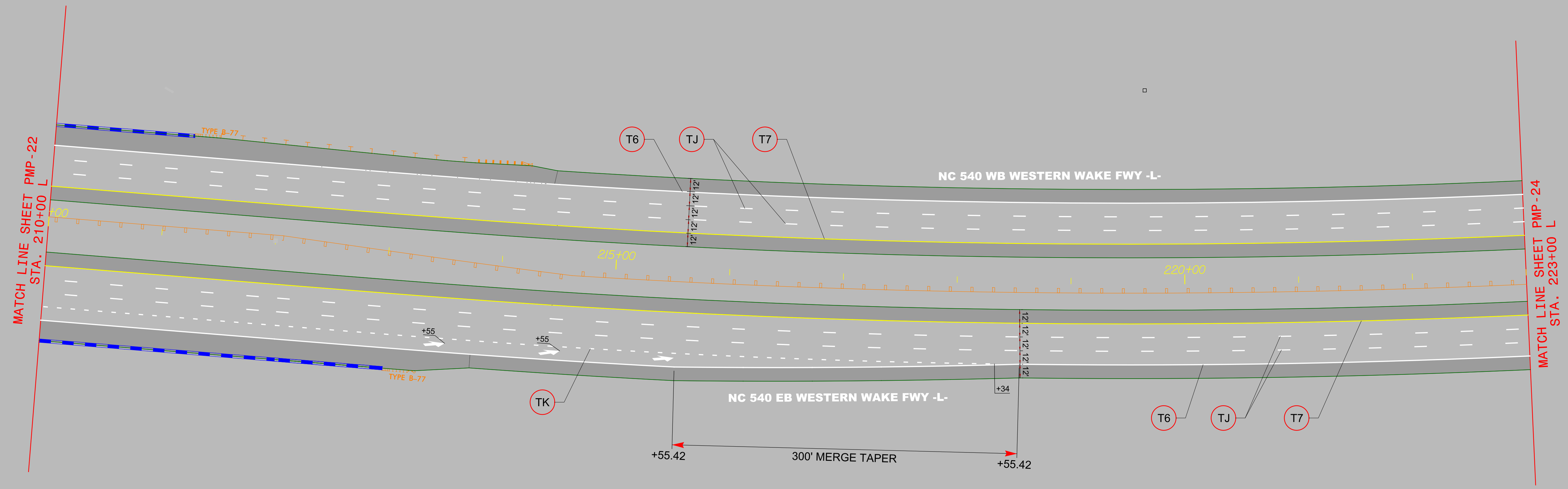


11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 22.dgn  
 Birgit-Mackenzie

PROPOSED PAVEMENT MARKINGS



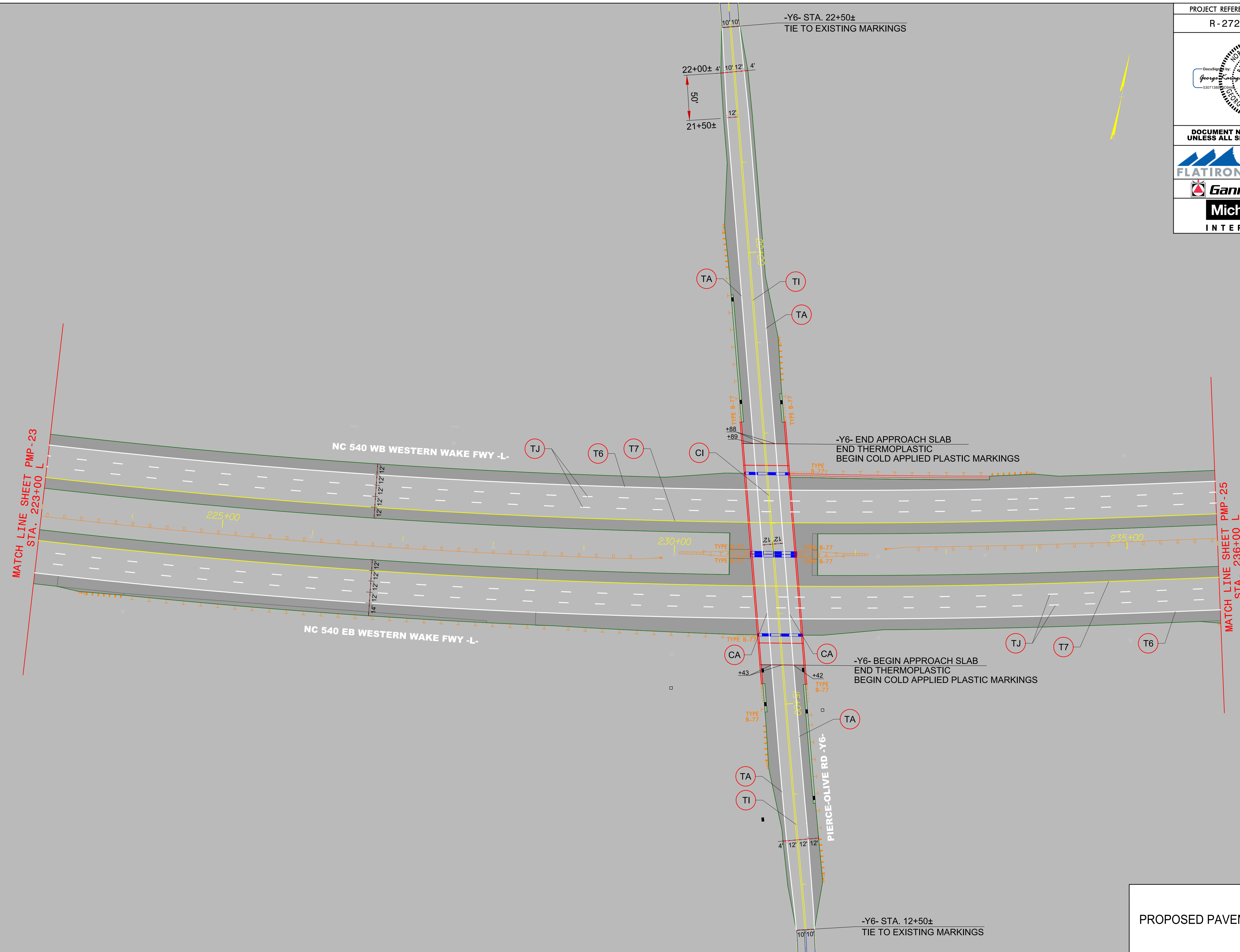
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 23.dgn  
B:\gfl-mackenzie

PROPOSED PAVEMENT MARKINGS

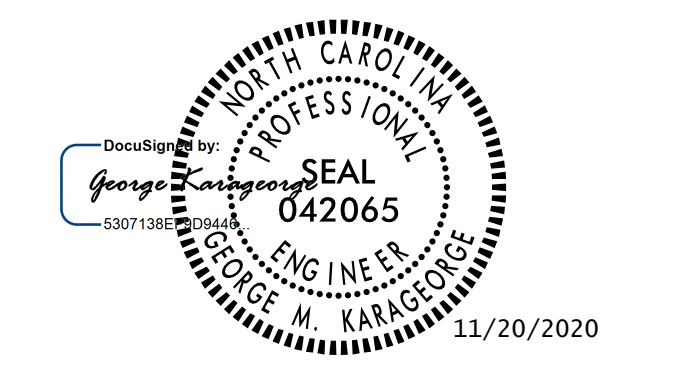
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-24
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



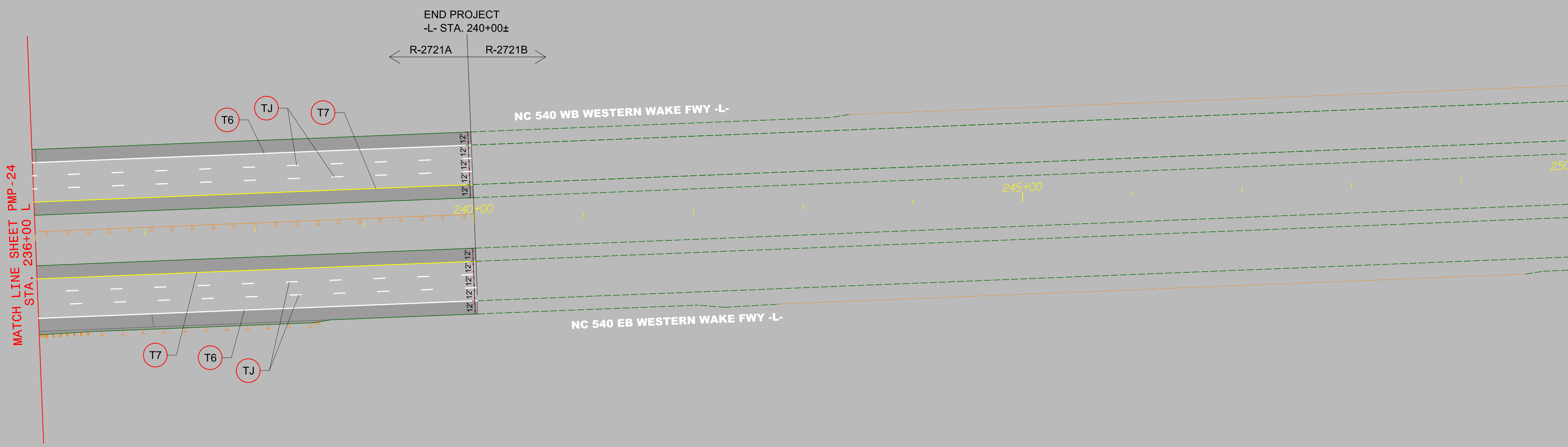
11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\IR-2721A PMP 24.dgn  
 B:\gfl\Mackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-25



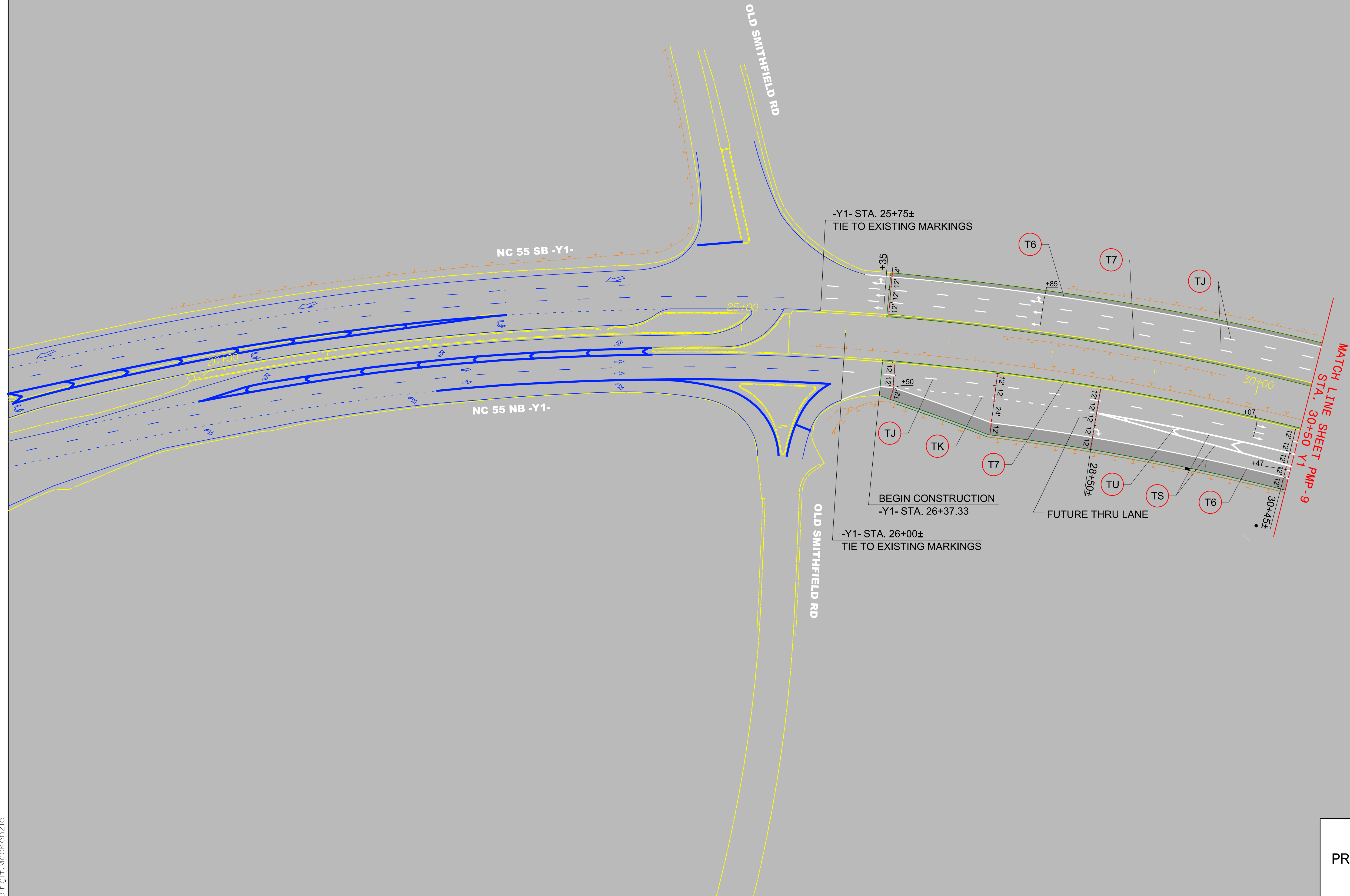
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 25.dgn  
B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-26
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PROPOSED PAVEMENT MARKINGS




11/19/2020  
R:\Traffic\pavement Marking\PLAN SHEETS\R-2721A PMP 26.dgn  
B:\gfm\ackenzie

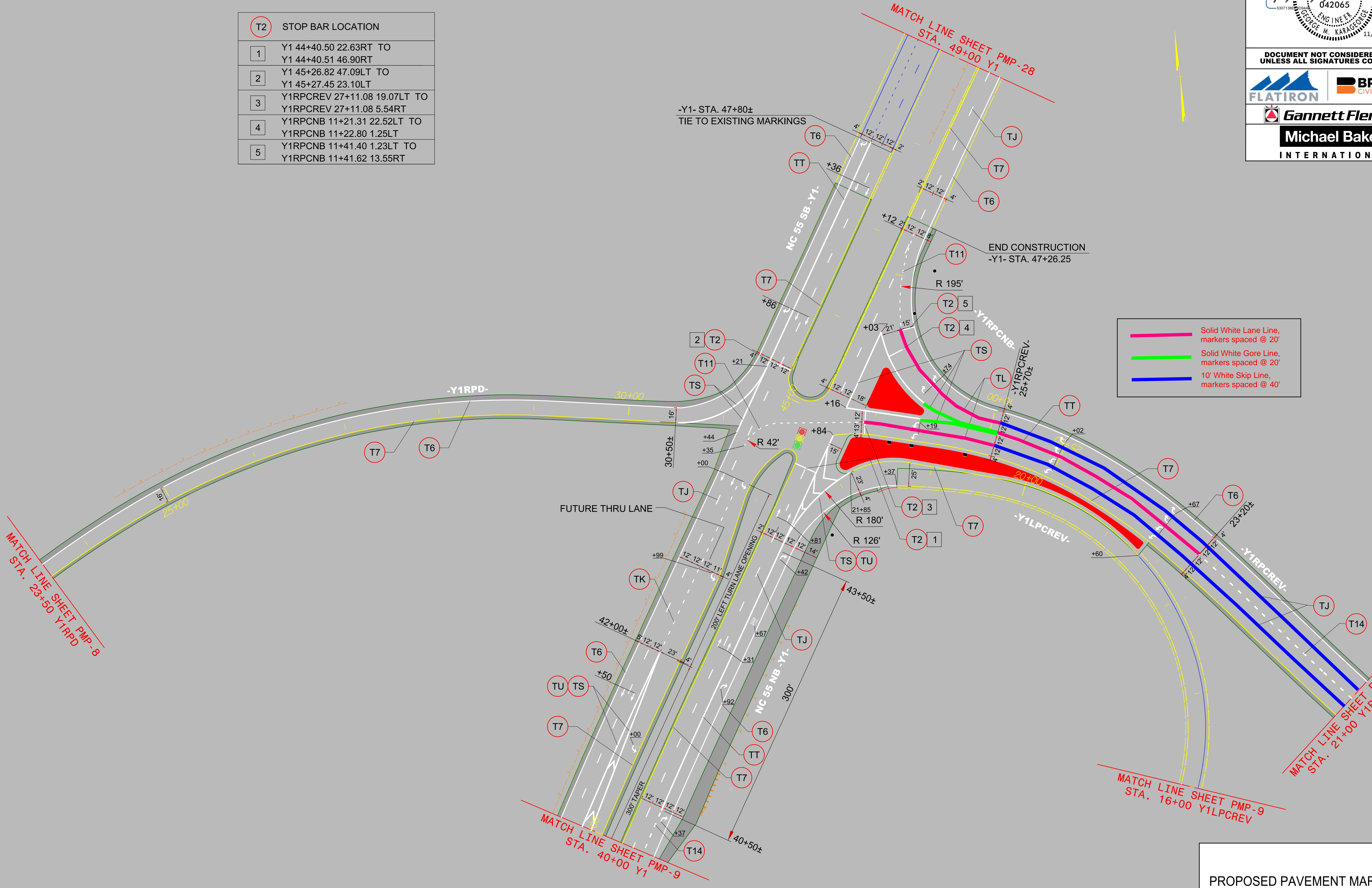


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



T2	STOP BAR LOCATION
1	Y1 44+40.50 22.63RT TO Y1 44+40.51 46.90RT
2	Y1 45+26.82 47.09LT TO Y1 45+27.45 23.10LT
3	Y1RPCREV 27+11.08 19.07LT TO Y1RPCREV 27+11.08 5.54RT
4	Y1RPCNB 11+21.31 22.52LT TO Y1RPCNB 11+22.80 1.25LT
5	Y1RPCNB 11+41.40 1.23LT TO Y1RPCNB 11+41.62 13.55RT

 Solid White Lane Line, markers spaced @ 20'  
 Solid White Gore Line, markers spaced @ 20'  
 10' White Skip Line, markers spaced @ 40'



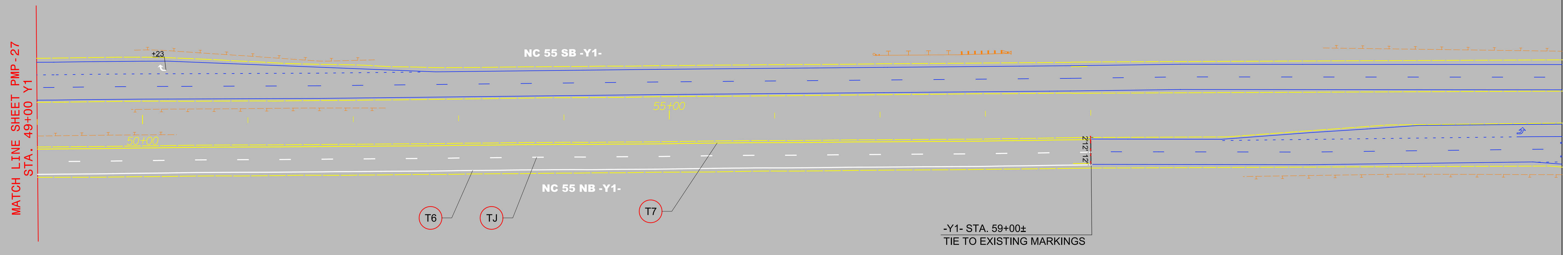
11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 27.dgn  
 B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-28

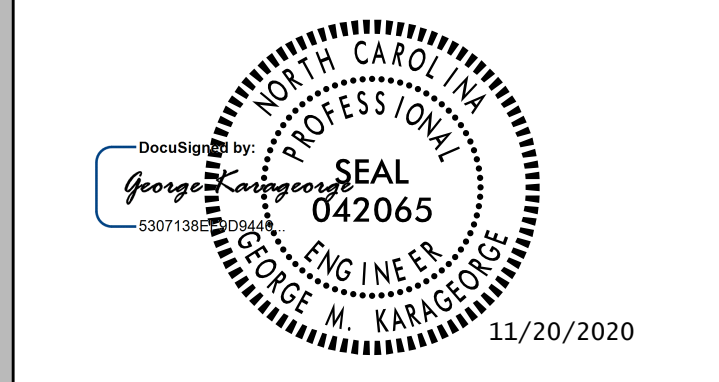


DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 28.dgn  
B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 29.dgn  
B:\gfmackenzie

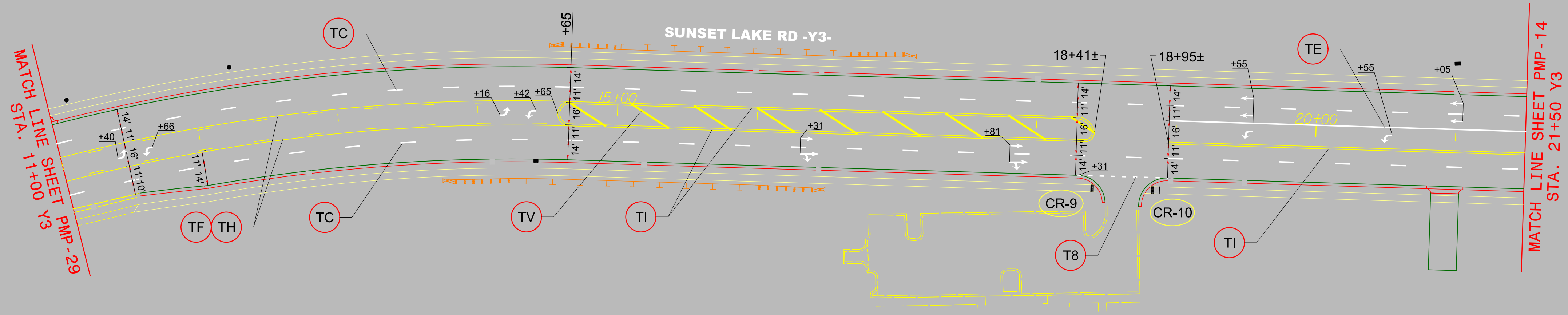
PROPOSED PAVEMENT MARKINGS



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)			
CR-9	Y3 18+42.09	42.01RT	TYPE 1
CR-10	Y3 18+83.33	42.00RT	TYPE 1



11/19/2020  
R:\Traffic\pavement Marking\PLAN SHEETS\R-2721A PMP 30.dgn  
B:\gfl-mackenzie

PROPOSED PAVEMENT MARKINGS

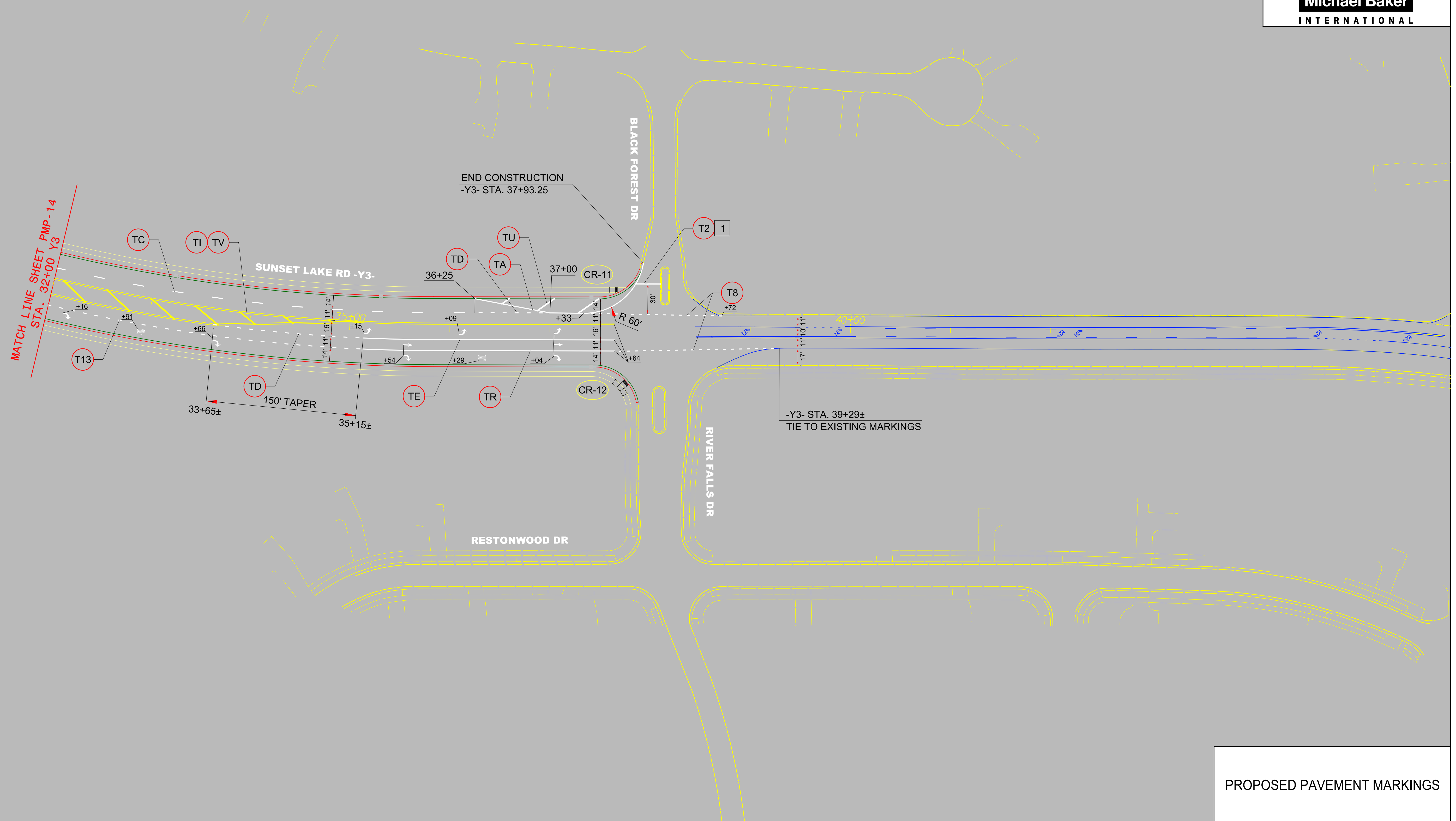


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)			
CR-11	Y3 37+71.46	41.77LT	TYPE 1
CR-12	Y3 37+76.38	50.44RT	TYPE 2A

T2	STOP BAR LOCATION
1	Y3 37+85.63 48.00LT TO Y3 38+10.28 48.00LT



11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 31.dgn  
 B:\gfmackenzie

PROPOSED PAVEMENT MARKINGS

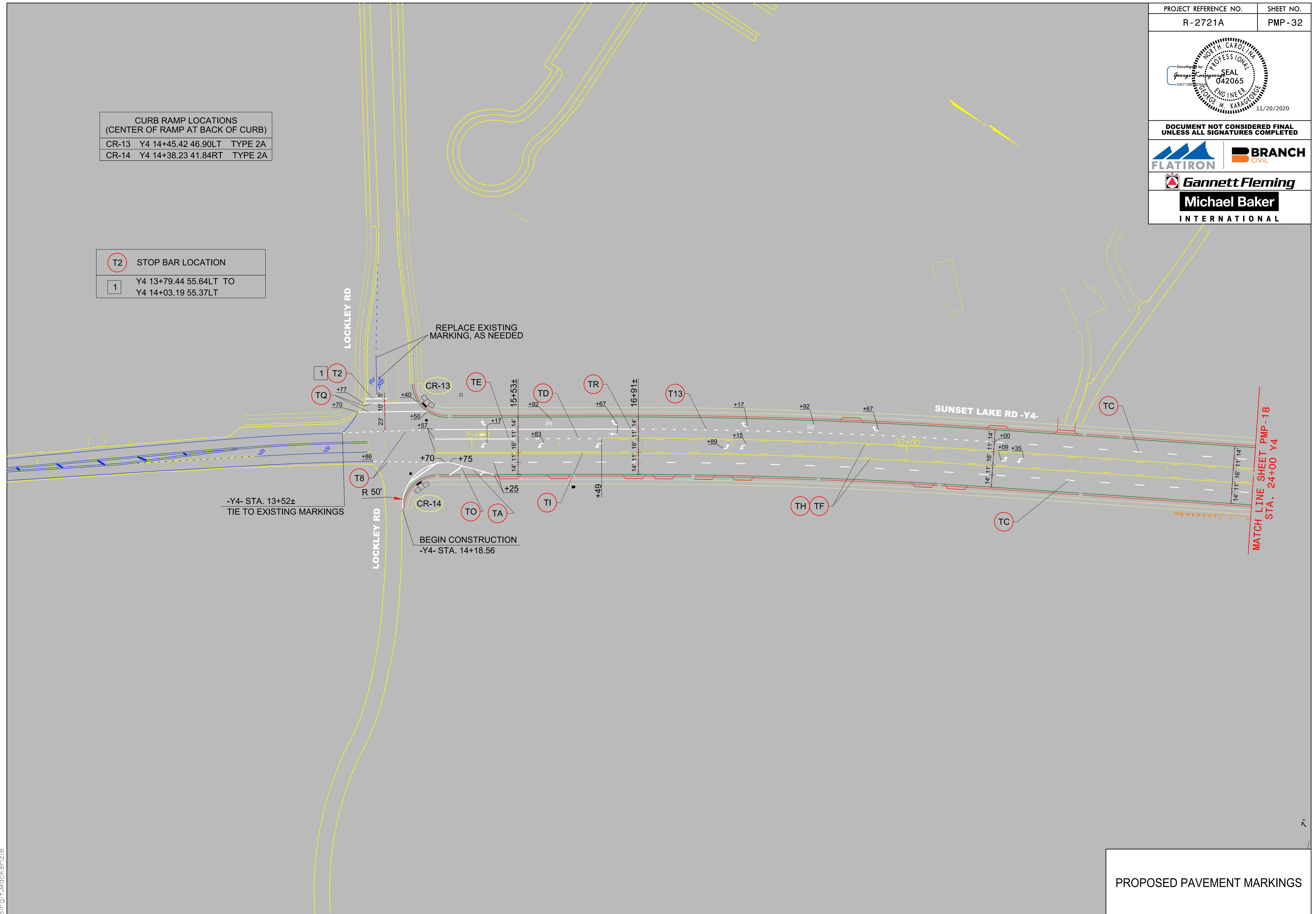
PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-32

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**Michael Baker**  
INTERNATIONAL

CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)			
CR-13	Y4 14+45.42	46.90LT	TYPE 2A
CR-14	Y4 14+38.23	41.84RT	TYPE 2A

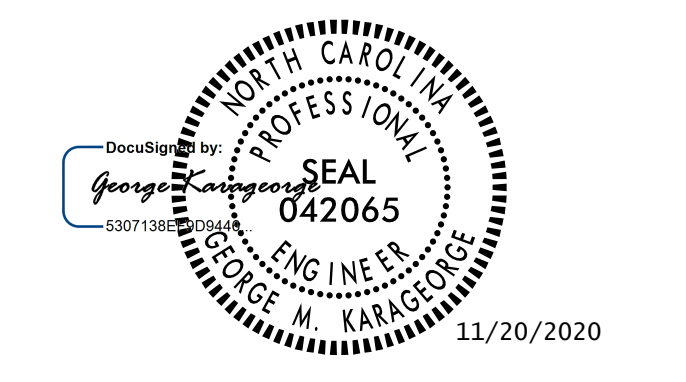
T2 STOP BAR LOCATION	
1	Y4 13+79.44 55.64LT TO Y4 14+03.19 55.37LT



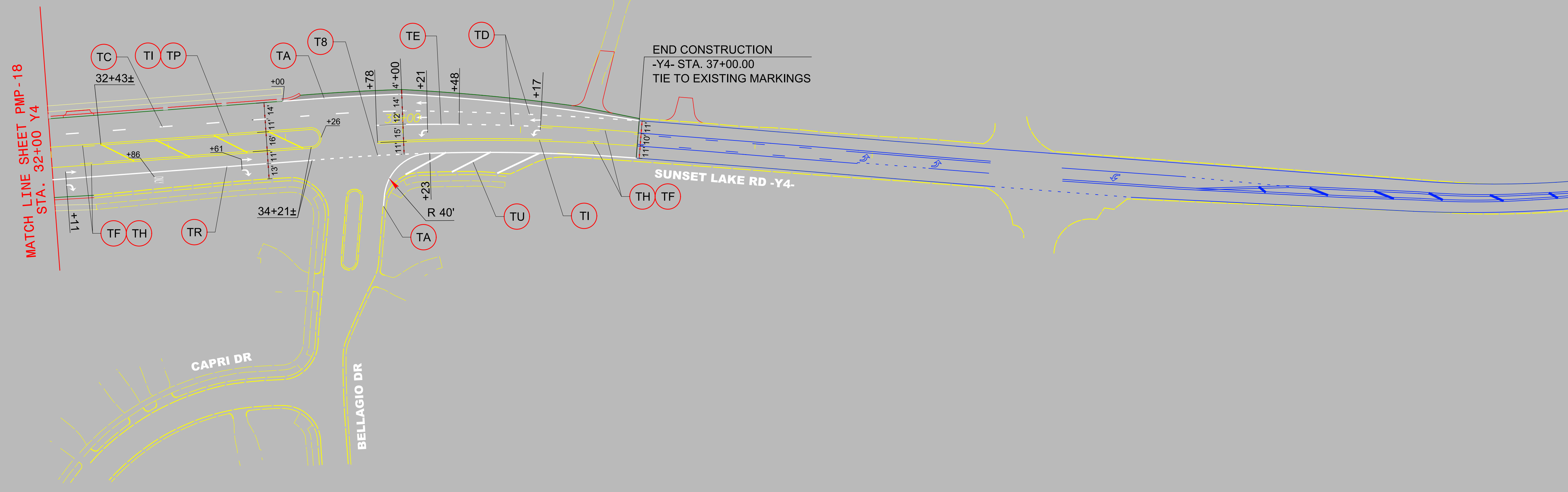
PROPOSED PAVEMENT MARKINGS

11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 32.dgn  
 B:\gfl\Mackenzie

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-33



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



11/20/2020  
R:\tr\office\Pavement Marking\PLAN SHEETS\R-2721A PMP 33.dgn  
B:\glf\Mackenzie

PROPOSED PAVEMENT MARKINGS



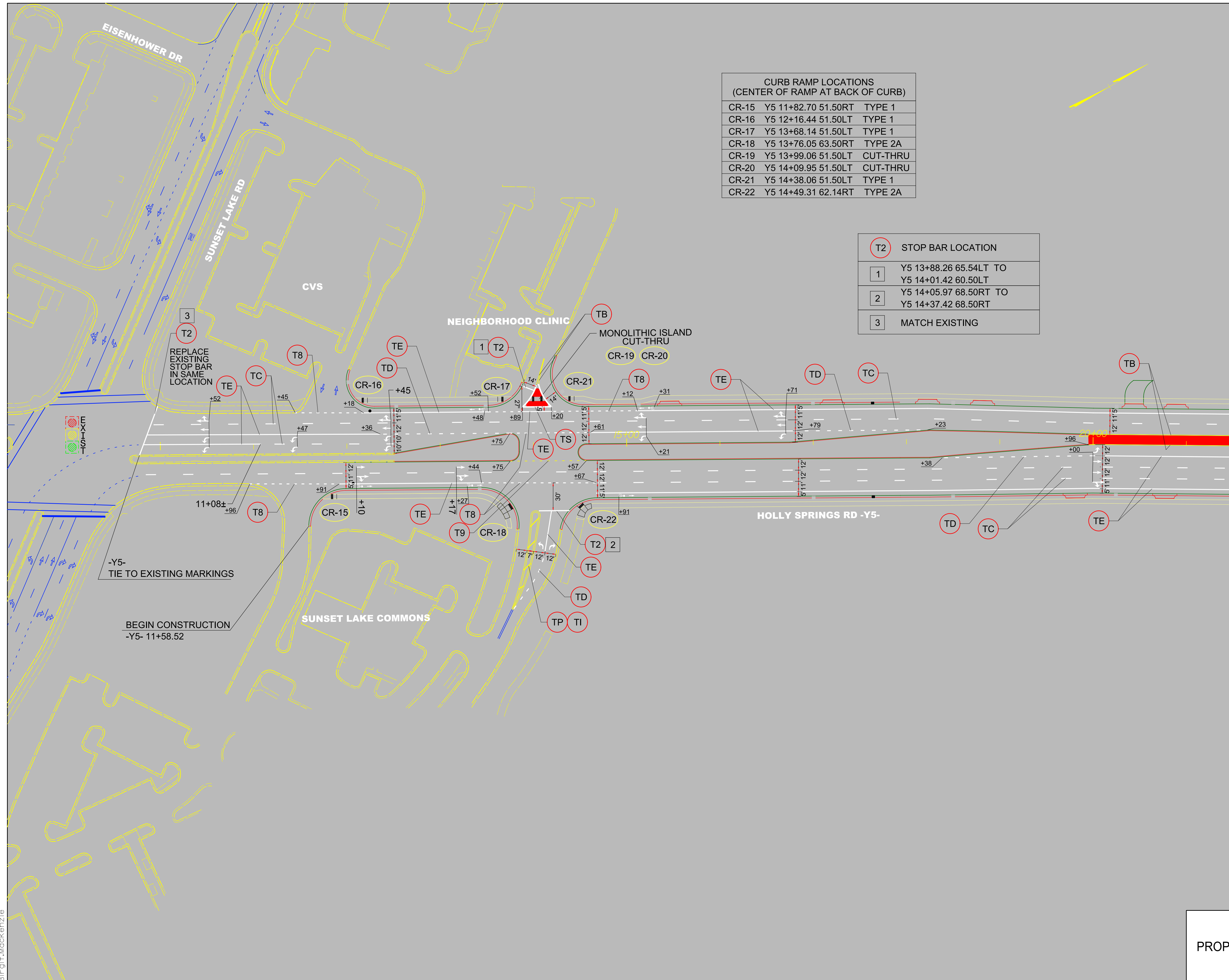
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



**CURB RAMP LOCATIONS  
(CENTER OF RAMP AT BACK OF CURB)**

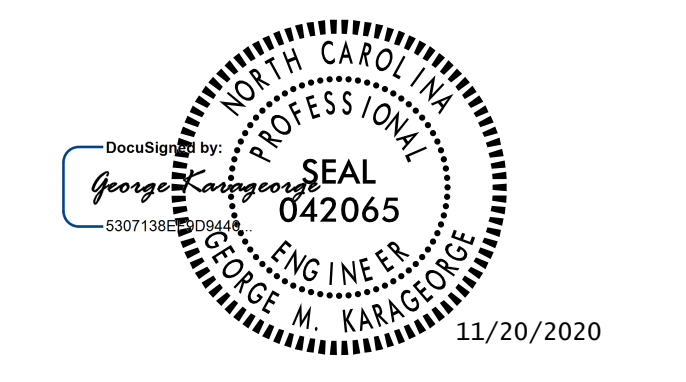
CR-15	Y5 11+82.70	51.50RT	TYPE 1
CR-16	Y5 12+16.44	51.50LT	TYPE 1
CR-17	Y5 13+68.14	51.50LT	TYPE 1
CR-18	Y5 13+76.05	63.50RT	TYPE 2A
CR-19	Y5 13+99.06	51.50LT	CUT-THRU
CR-20	Y5 14+09.95	51.50LT	CUT-THRU
CR-21	Y5 14+38.06	51.50LT	TYPE 1
CR-22	Y5 14+49.31	62.14RT	TYPE 2A

T2	STOP BAR LOCATION
1	Y5 13+88.26 65.54LT TO Y5 14+01.42 60.50LT
2	Y5 14+05.97 68.50RT TO Y5 14+37.42 68.50RT
3	MATCH EXISTING



11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 34.dgn  
 B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

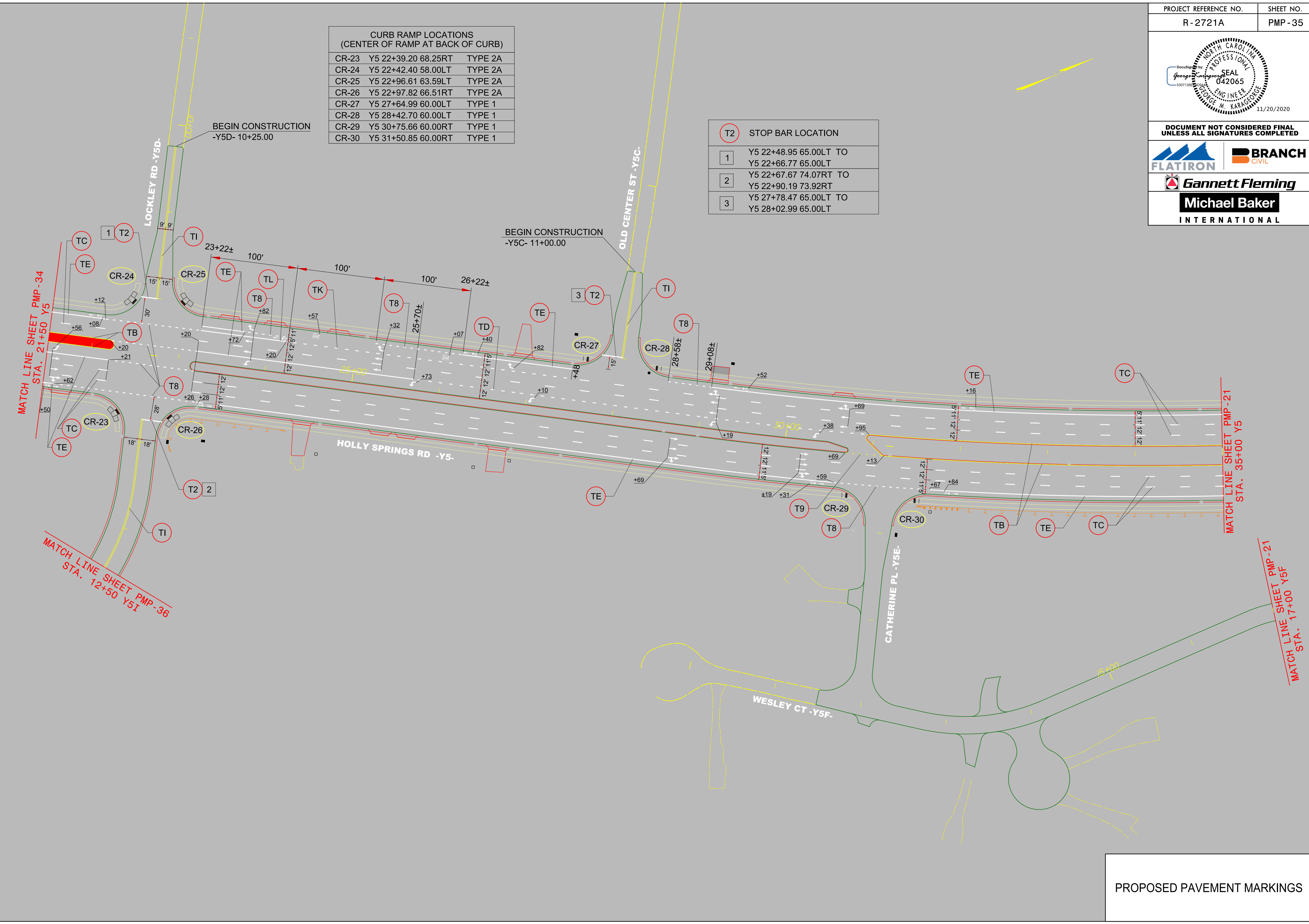


DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)			
CR-23	Y5 22+39.20	68.25RT	TYPE 2A
CR-24	Y5 22+42.40	58.00LT	TYPE 2A
CR-25	Y5 22+96.61	63.59LT	TYPE 2A
CR-26	Y5 22+97.82	66.51RT	TYPE 2A
CR-27	Y5 27+64.99	60.00LT	TYPE 1
CR-28	Y5 28+42.70	60.00LT	TYPE 1
CR-29	Y5 30+75.66	60.00RT	TYPE 1
CR-30	Y5 31+50.85	60.00RT	TYPE 1

T2	STOP BAR LOCATION
1	Y5 22+48.95 65.00LT TO Y5 22+66.77 65.00LT
2	Y5 22+67.67 74.07RT TO Y5 22+90.19 73.92RT
3	Y5 27+78.47 65.00LT TO Y5 28+02.99 65.00LT

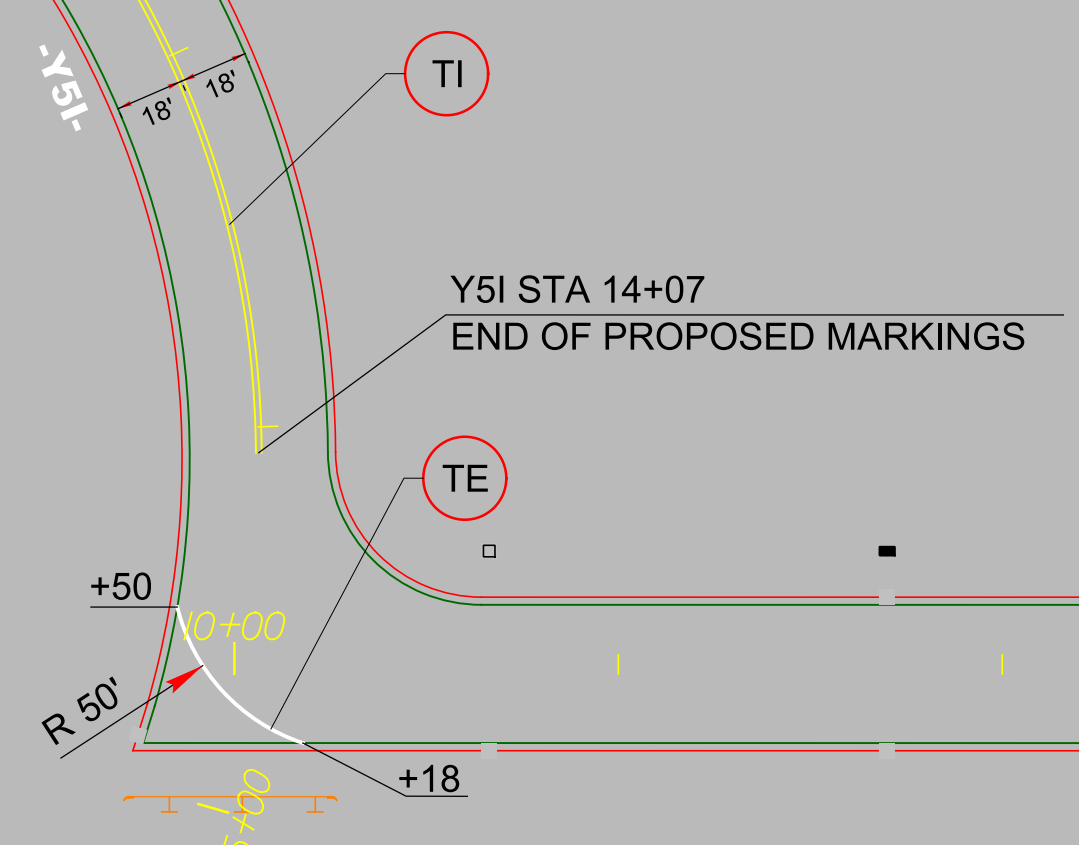


11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 35.dgn  
B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-36
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCH LINE SHEET PMP -35  
STA. 12+50 Y5I



-Y5J-

-Y5M-  
SUNCLIFFE CT

SUNCLIFFE CT

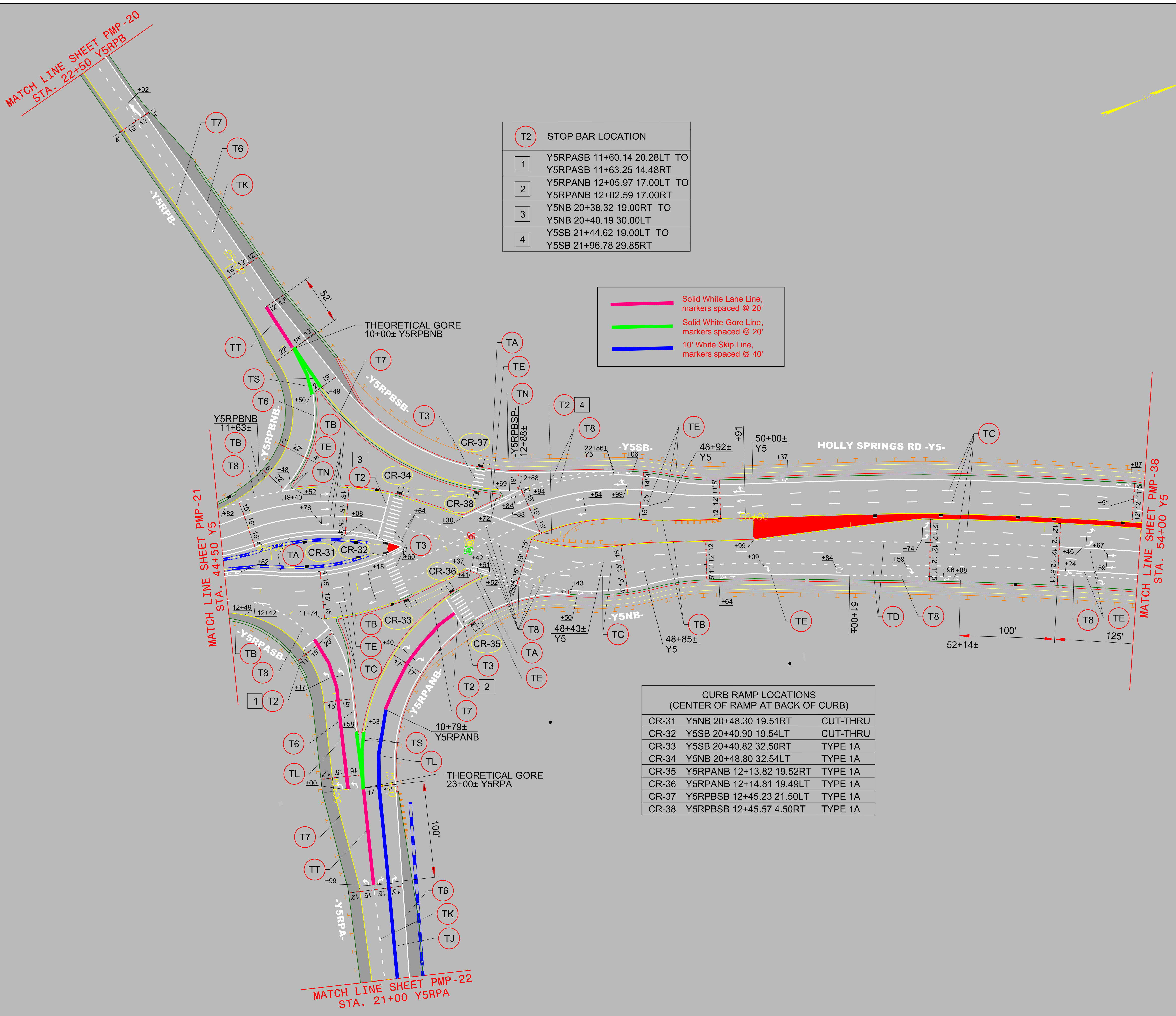
N BELL HAVEN ST  
-Y5M-

PROPOSED PAVEMENT MARKINGS

11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 36.dgn  
B:\gfm\ackenzie

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-37

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



T2	STOP BAR LOCATION
1	Y5RPASB 11+60.14 20.28LT TO Y5RPASB 11+63.25 14.48RT
2	Y5RPANB 12+05.97 17.00LT TO Y5RPANB 12+02.59 17.00RT
3	Y5NB 20+38.32 19.00RT TO Y5NB 20+40.19 30.00LT
4	Y5SB 21+44.62 19.00LT TO Y5SB 21+96.78 29.85RT

- Solid White Lane Line, markers spaced @ 20'
- Solid White Gore Line, markers spaced @ 20'
- 10' White Skip Line, markers spaced @ 40'

CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)		
CR-31	Y5NB 20+48.30 19.51RT	CUT-THRU
CR-32	Y5SB 20+40.90 19.54LT	CUT-THRU
CR-33	Y5SB 20+40.82 32.50RT	TYPE 1A
CR-34	Y5NB 20+48.80 32.54LT	TYPE 1A
CR-35	Y5RPANB 12+13.82 19.52RT	TYPE 1A
CR-36	Y5RPANB 12+14.81 19.49LT	TYPE 1A
CR-37	Y5RPBSB 12+45.23 21.50LT	TYPE 1A
CR-38	Y5RPBSB 12+45.57 4.50RT	TYPE 1A

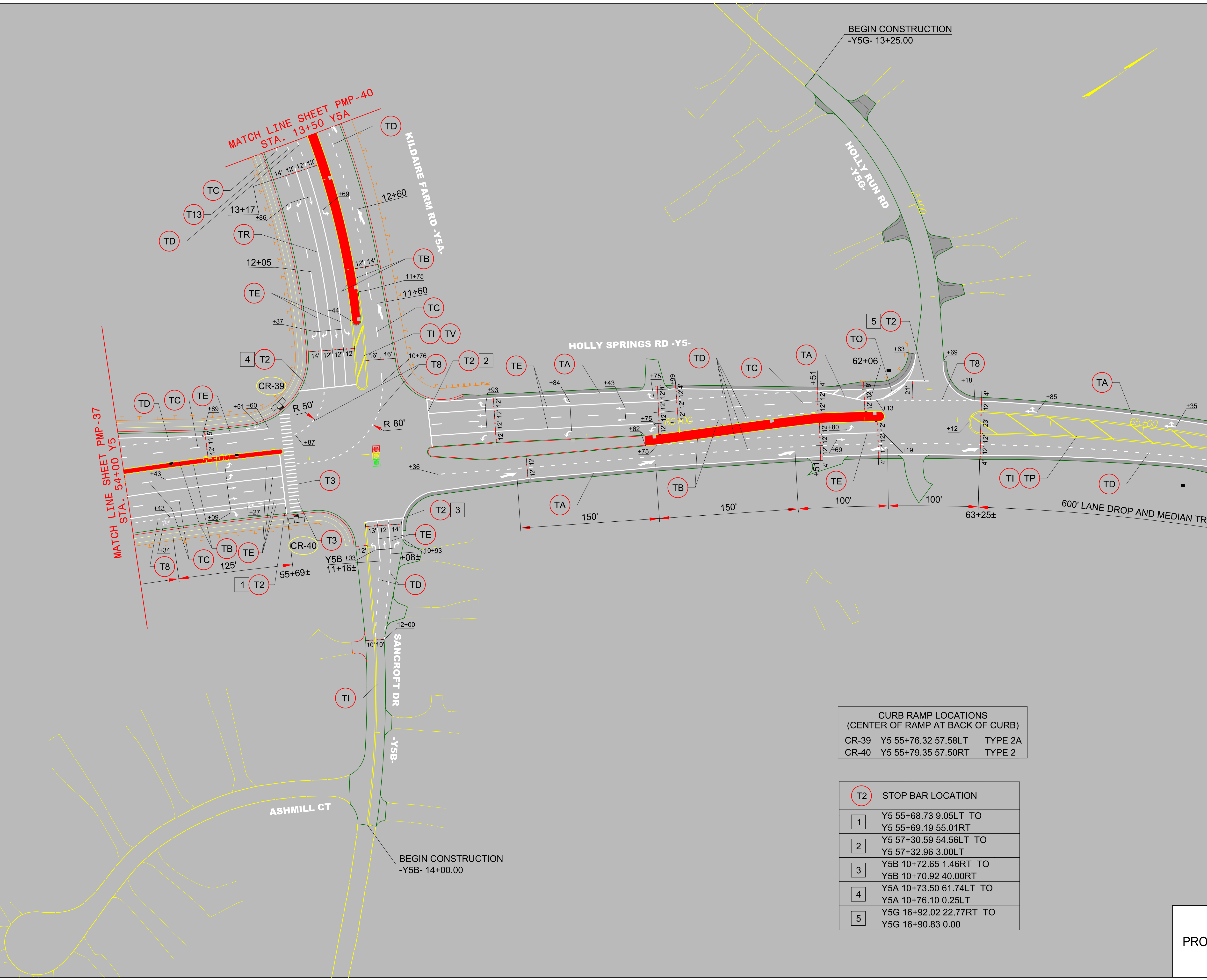
11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 37.dgn  
 B:\giff-Mackenzie

PROPOSED PAVEMENT MARKINGS

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-38

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**Gannett Fleming**  
**Michael Baker**  
INTERNATIONAL



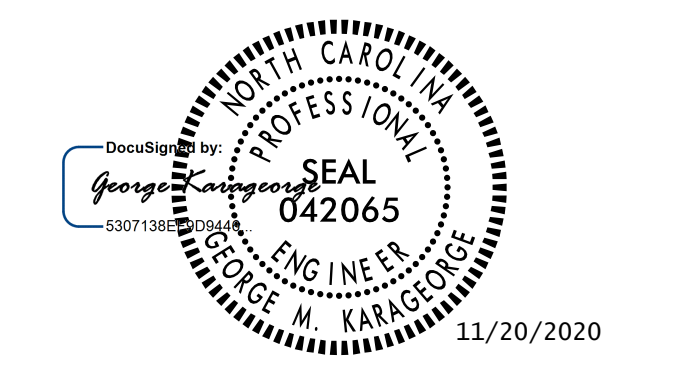
CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)		
CR-39	Y5 55+76.32 57.58LT	TYPE 2A
CR-40	Y5 55+79.35 57.50RT	TYPE 2

<b>T2</b>	STOP BAR LOCATION
1	Y5 55+68.73 9.05LT TO Y5 55+69.19 55.01RT
2	Y5 57+30.59 54.56LT TO Y5 57+32.96 3.00LT
3	Y5B 10+72.65 1.46RT TO Y5B 10+70.92 40.00RT
4	Y5A 10+73.50 61.74LT TO Y5A 10+76.10 0.25LT
5	Y5G 16+92.02 22.77RT TO Y5G 16+90.83 0.00

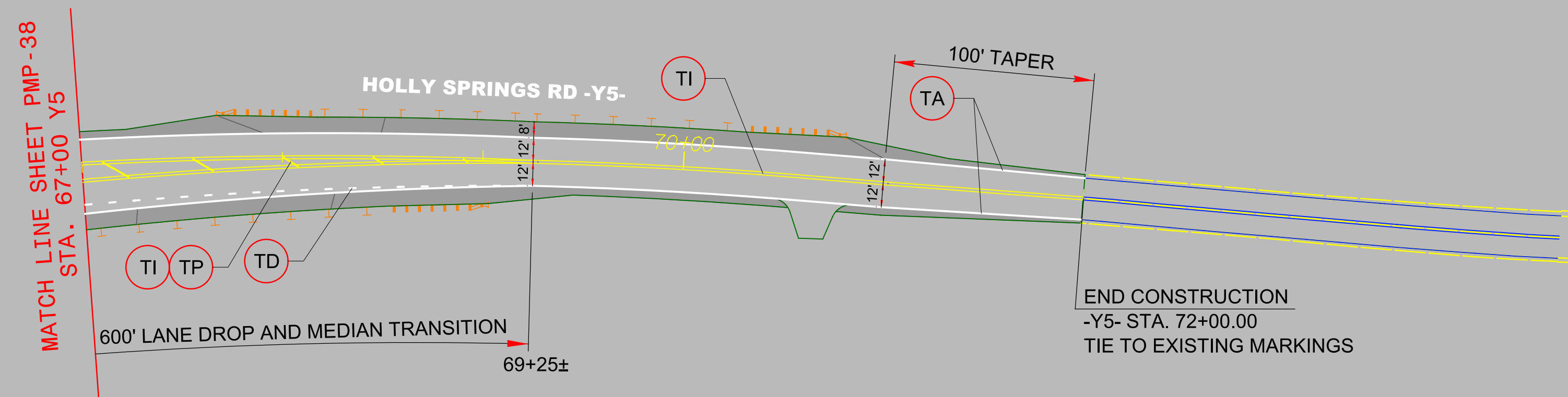
PROPOSED PAVEMENT MARKINGS

11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 38.dgn  
 B:\gfm\mckenzie

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-39

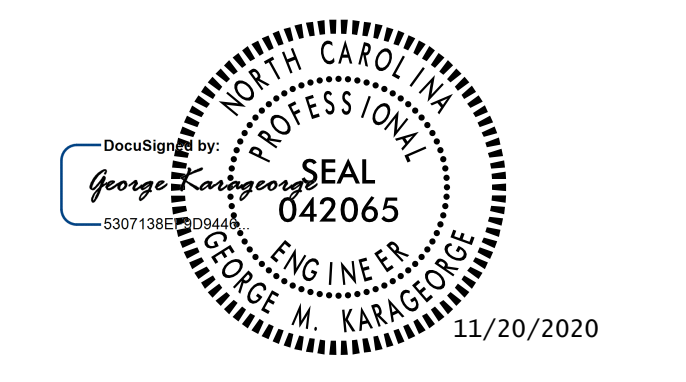


DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



11/19/2020  
R:\Traffic\ Pavement Marking\PLAN SHEETS\R-2721A PMP 39.dgn  
B:\gfm\ackenzie

PROPOSED PAVEMENT MARKINGS

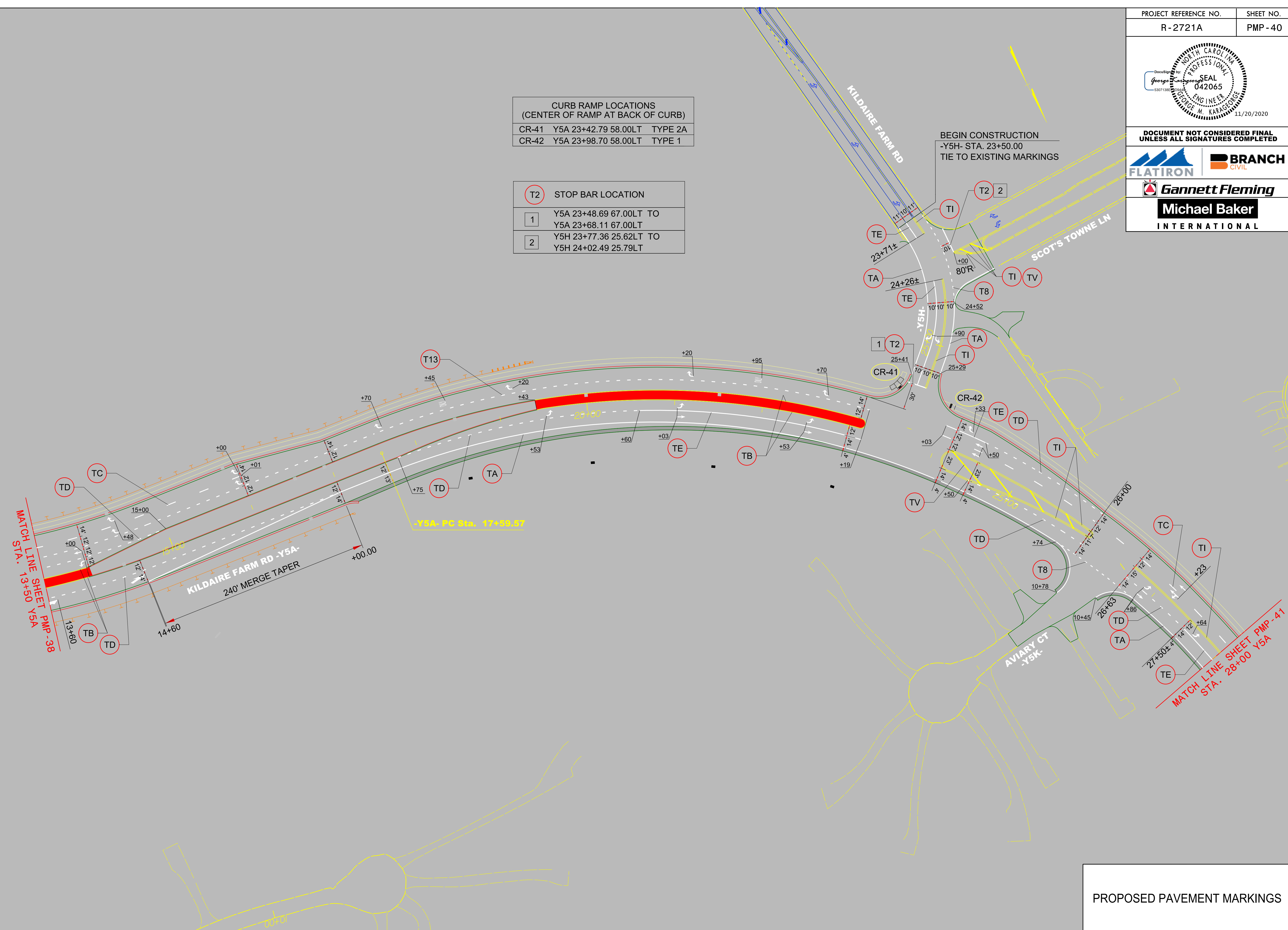


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)			
CR-41	Y5A 23+42.79	58.00LT	TYPE 2A
CR-42	Y5A 23+98.70	58.00LT	TYPE 1

T2	STOP BAR LOCATION
1	Y5A 23+48.69 67.00LT TO Y5A 23+68.11 67.00LT
2	Y5H 23+77.36 25.62LT TO Y5H 24+02.49 25.79LT



PROPOSED PAVEMENT MARKINGS

11/19/2020  
R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 40.dgn  
B:\gfm\ackenzie

PROJECT REFERENCE NO.	SHEET NO.
R-2721A	PMP-41
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

CURB RAMP LOCATIONS (CENTER OF RAMP AT BACK OF CURB)		
CR-43	Y5A 28+95.05 40.37LT	TYPE 2A



11/19/2020  
 R:\Traffic\Pavement Marking\PLAN SHEETS\R-2721A PMP 41.dgn  
 B:\gfm\ackenzie

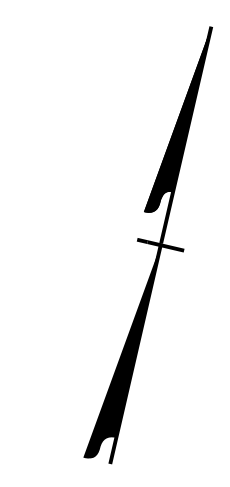
PROPOSED PAVEMENT MARKINGS

**FLATIRON**

**BRANCH CIVIL**

**HDR** HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO. R-2721B	SHEET NO. PMP-2
APPROVED: <i>Ron King</i>	
DATE: 7/9/2020	
SEAL	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



240

245

250

-L- STA. 240+00 +/-  
BEGIN PROJECT R-2721B  
TIE TO PROJECT R-2721A

-L-  
NC 540  
TRIANGLE EXPRESSWAY

-L- END APPROACH SLAB  
END POLYUREA MARKINGS  
BEGIN THERMOPLASTIC MARKINGS

-L- BEGIN APPROACH SLAB  
END THERMOPLASTIC MARKINGS  
BEGIN POLYUREA MARKINGS

-L- BEGIN APPROACH SLAB  
END THERMOPLASTIC MARKINGS  
BEGIN POLYUREA MARKINGS

-L- END APPROACH SLAB  
END POLYUREA MARKINGS  
BEGIN THERMOPLASTIC MARKINGS

BREAKLINE -L- STA. 252+00, SEE PMP-3

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
USER: CHARNDEN  
FILE: p:\p\h\h\users\charnd\US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BITMAP\6.2\_WIP\R-2721B\_TrafficPavement\_Marking\R2721B\_PM\_PMP02.dgn

PENTABLE: NCDOT\_PMP.tbl  
DATE: 7/9/2020  
TIME: 3:05:37 PM

**PAVEMENT MARKING DETAIL**



HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO.	SHEET NO.
R-2721B	PMP-3

APPROVED: *Ron King*

DATE: 7/9/2020

SEAL

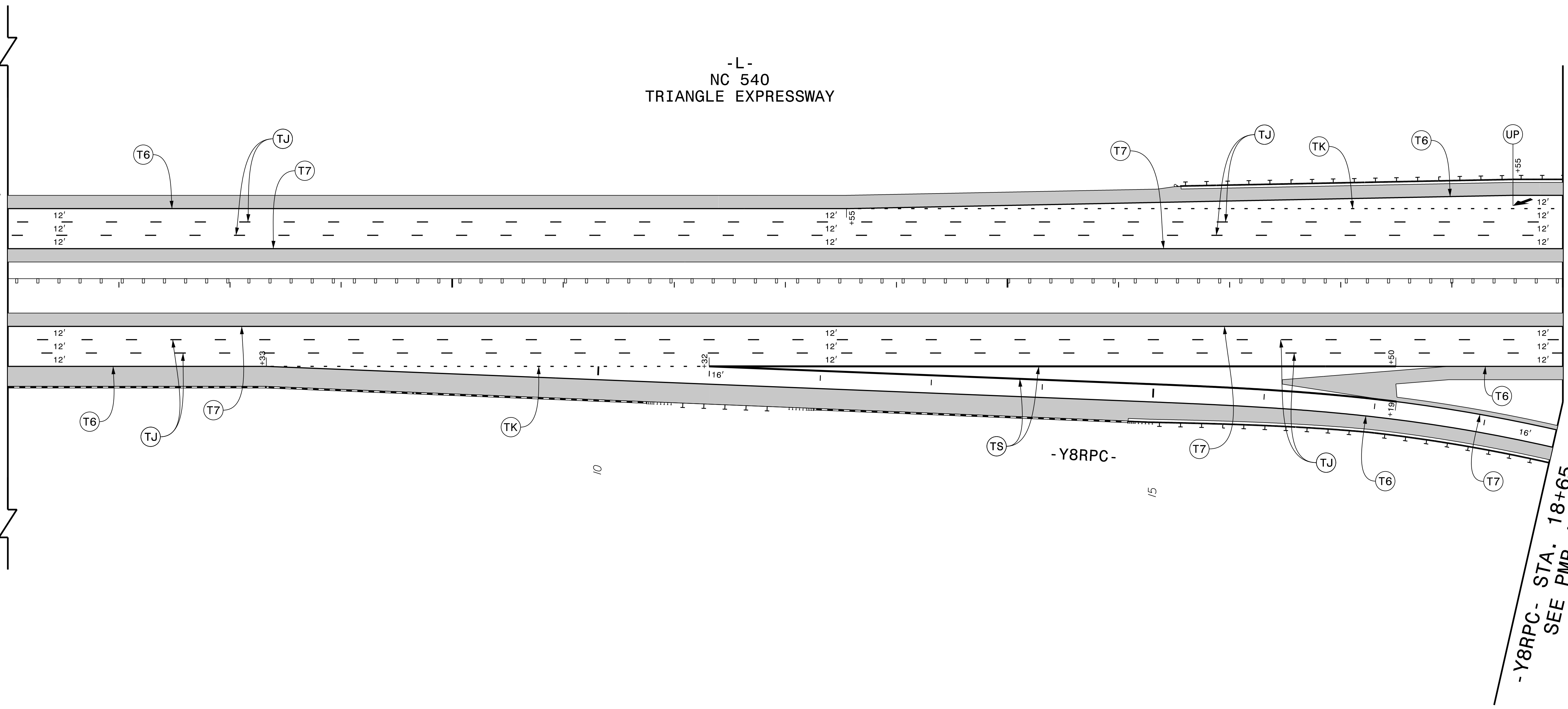


**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
USER: CHARNDEN  
FILE: p:\p\h\h\users\01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BITMAP\6.2\_WIP\R-2721B\_TrafficPavement\_Marking\R2721B\_PM\_PMP03.dgn  
PENTABLE: NCDOT\_PMP.tbl  
DATE: 7/9/2020  
TIME: 3:05:59 PM

BREAKLINE - L- STA. 311+00, SEE PMP-2

-L-  
NC 540  
TRIANGLE EXPRESSWAY



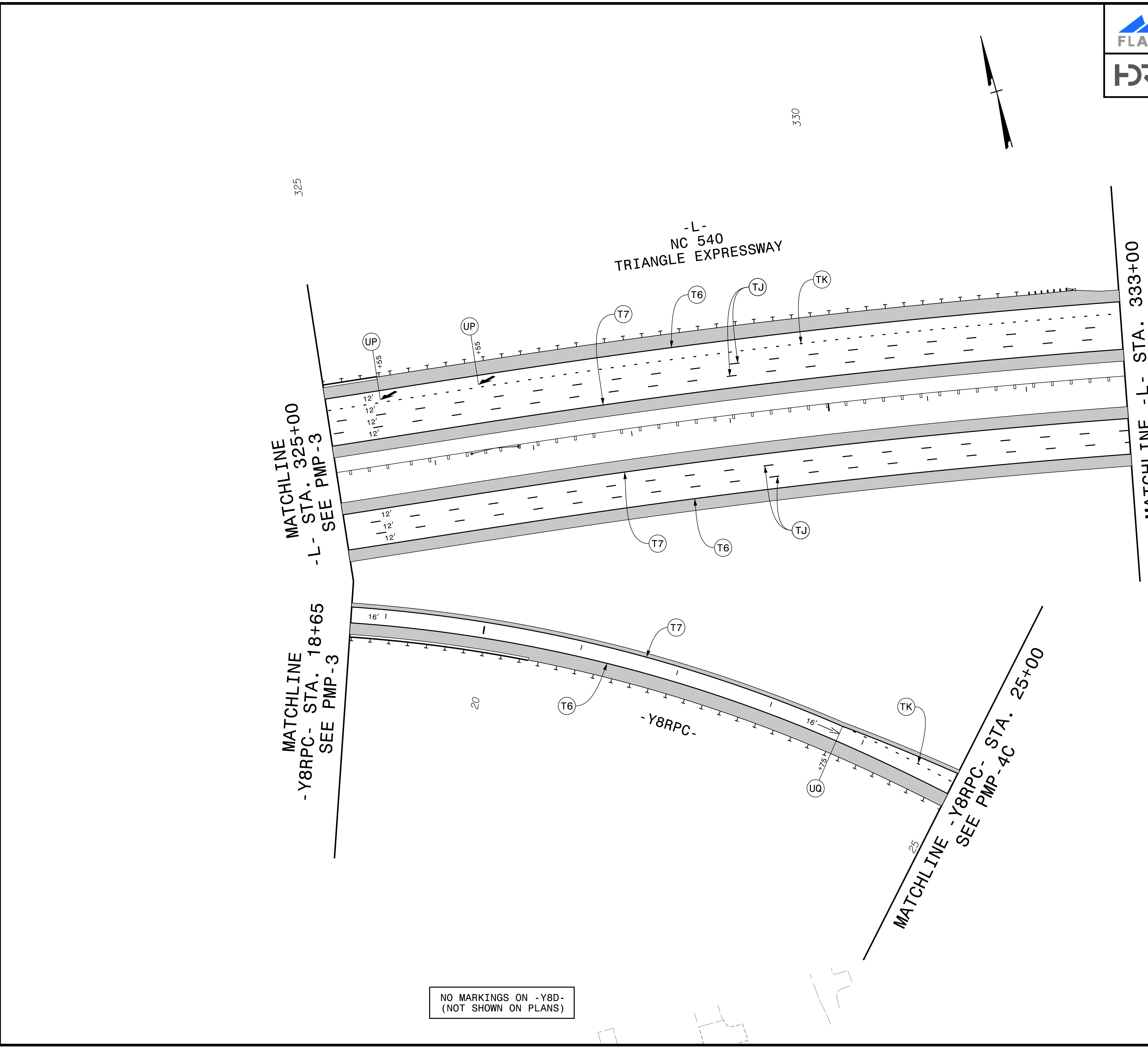
MATCHLINE - L- STA. 325+00  
SEE PMP-4

-Y8RPC- STA. 18+65  
SEE PMP-4

**PAVEMENT MARKING DETAIL**

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
PENTABLE: NCDOT\_PMP.tbl  
USER: CHARNDEN  
DATE: 7/9/2020  
TIME: 3:06:20 PM  
FILE: p:\dwg\hdr\users\01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BIM\6.2\_WIP\R-2721B\Traffic\Pavement\_Marking\R2721B\_PM\_PMP04.dgn

		TIP NO. R-2721B	SHEET NO. PMP-4
APPROVED: <i>Ron King</i>		DATE: 7/9/2020	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116		SEAL	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			



**PAVEMENT MARKING DETAIL**



HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO.	SHEET NO.
R-2721B	PMP-4A

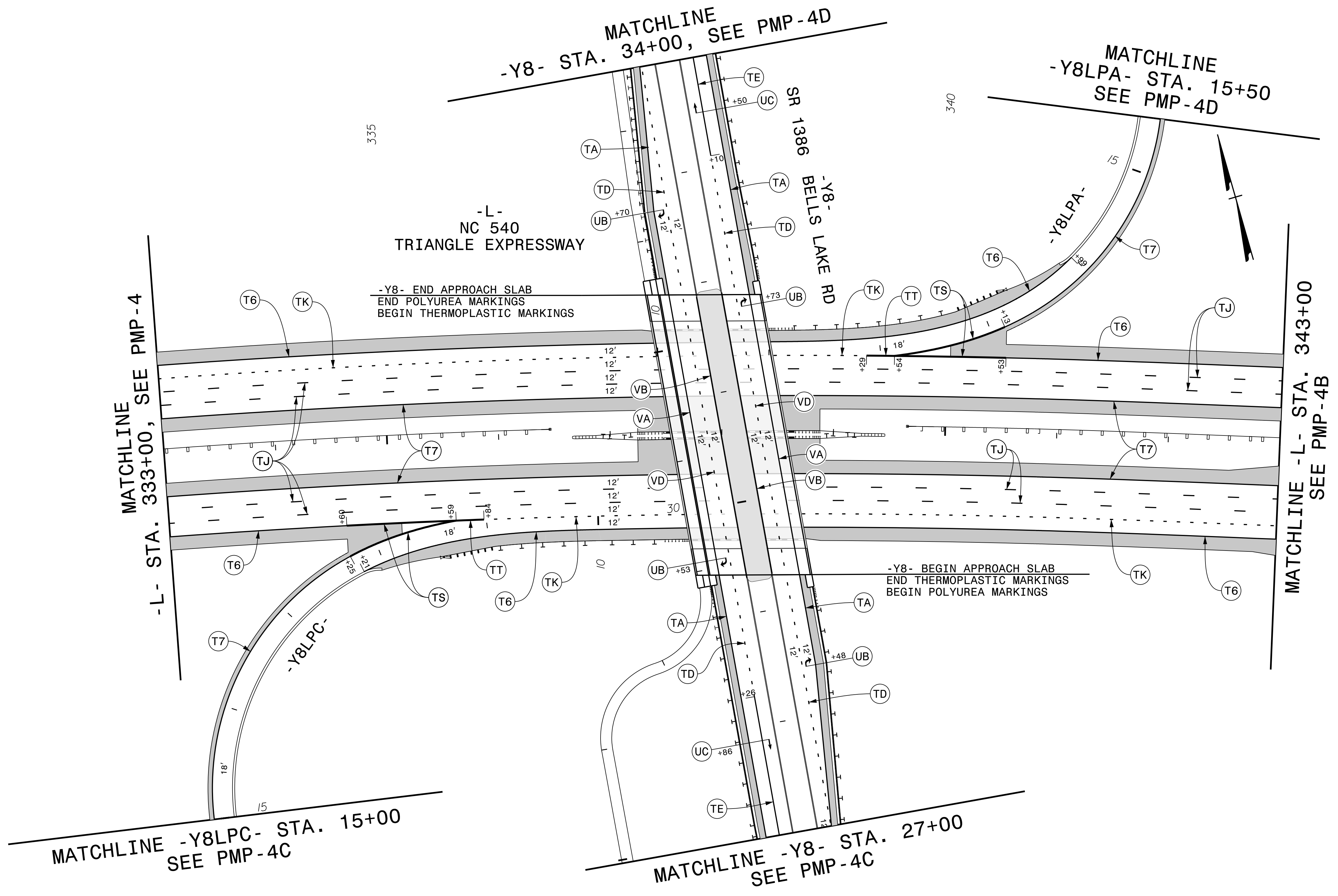
APPROVED: *Ron King*

DATE: 7/9/2020

SEAL




**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

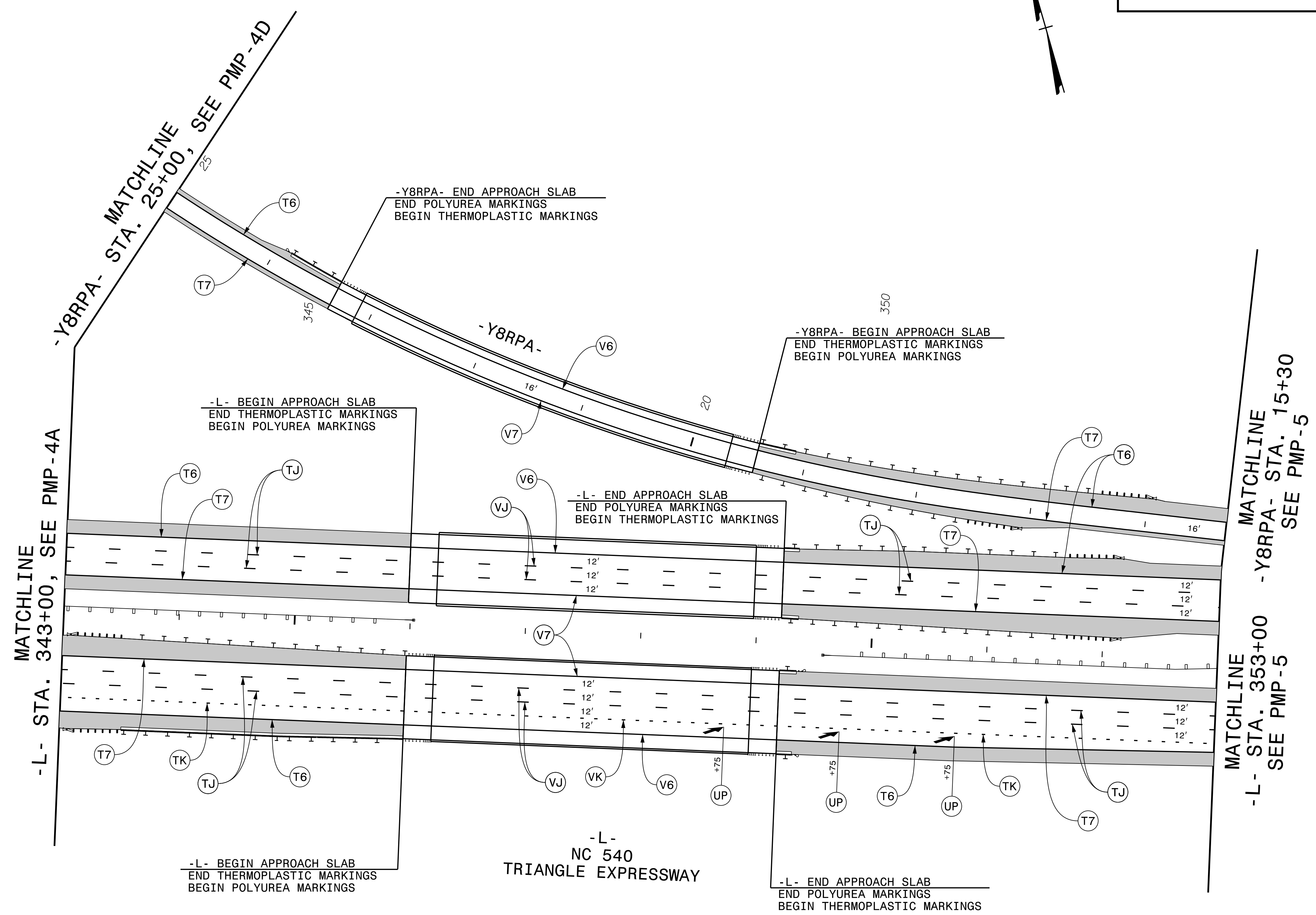
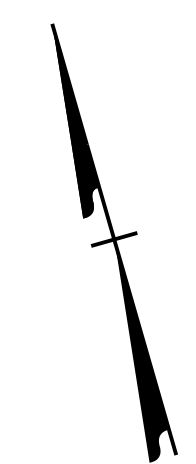


PLOT DRIVER: NCDOT\_color\_eng\_50.pit  
USER: CHARNDEN  
FILE: p:\dwg\dr\uses01\HDR\_US\_Eost\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\_V6\_0\_CAD\_BIM\_V6.2\_WIP\R-2721B\_TrafficPavement\_Marking\R2721B\_PM\_PMP04A.dgn

**PAVEMENT MARKING DETAIL**

**FLATIRON**  
**BRANCH CIVIL**  
**HDR** HDR Engineering, Inc. of the Carolinas  
 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116

TIP NO. R-2721B	SHEET NO. PMP-4B
APPROVED: <i>Ron King</i>	
DATE: 7/9/2020	
SEAL	
	
<b>DOCUMENT NOT CONSIDERED FINAL          UNLESS ALL SIGNATURES COMPLETED</b>	







PLOT DRIVER: NCDOT\_color\_eng\_50.pit  
 USER: CHARNDEN  
 FILE: p:\p\p\h\h\uses\01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BITMAP\6.2\_WIP\R-2721B\Traffic\ Pavement\ Marking\ R2721B\_PM\_PMP04B

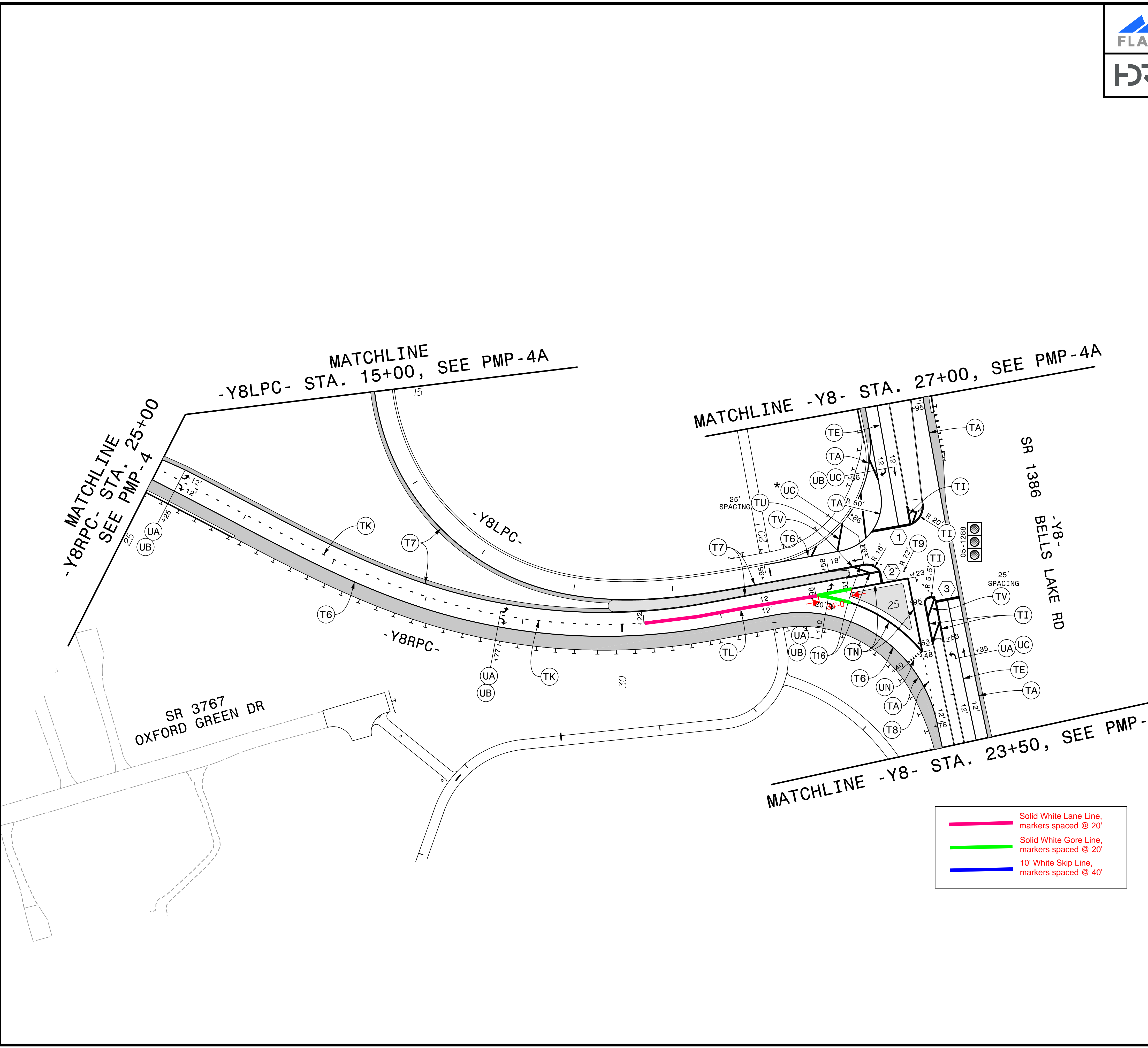
PENTABLE: NCDOT\_PMP.tbl  
 TIME: 3:07:05 PM

DATE: 7/9/2020

**PAVEMENT MARKING DETAIL**

 	TIP NO. R-2721B	SHEET NO. PMP-4C
	APPROVED: <i>Ron King</i>	
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	DATE: 7/9/2020	SEAL
		
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>		

PLOT DRIVER: NCDOT\_color\_eng\_50.pht  
 USER: CHARNDEN  
 FILE: p:\pwhdr\users\01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\BIM\6.2\_WIP\R-2721B\Traffic\ Pavement\ Marking\R2721B\_PM\_PMP04C



\* ELONGATED STRAIGHT ARROW, SEE TMP-1C FOR RSD "SIDE-BY-SIDE/ADJACENT ON/OFF RAMPS"

(T2) STOPBAR LOCATIONS	
①	-Y8- STA. 25+76.20, 11.50' LT to -Y8- STA. 25+76.20, 50.94' LT
②	-Y8RPC- STA. 32+65.46, 12.00' LT to -Y8RPC- STA. 32+65.41, 0.00' RT
③	-Y8- STA. 24+95.09, 0.50' LT to -Y8- STA. 24+95.09, 23.50' RT

- Solid White Lane Line, markers spaced @ 20'
- Solid White Gore Line, markers spaced @ 20'
- 10' White Skip Line, markers spaced @ 40'

**PAVEMENT MARKING DETAIL**

		TIP NO. R-2721B	SHEET NO. PMP-4D
APPROVED: <i>Ron King</i>		DATE: 7/9/2020	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116		SEAL	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\dwg\hdr\uses01\HDR\_US\_Eost\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BIM\6.2\_WIP\R-2721B\Traffic\ Pavement\ Marking\ R2721B\_PM\_PMP04D

T2 STOPBAR LOCATIONS	
1	-Y8- STA. 36+39.85, 0.50' RT to -Y8- STA. 36+39.85, 23.50' LT
2	-Y8- STA. 35+60.43, 11.50' RT to -Y8- STA. 35+60.43, 44.76' RT
3	-Y8RPA- STA. 32+09.91, 0.00' RT to -Y8RPA- STA. 32+08.87, 12.00' LT

MATCHLINE -Y8- STA. 38+00, SEE PMP-15

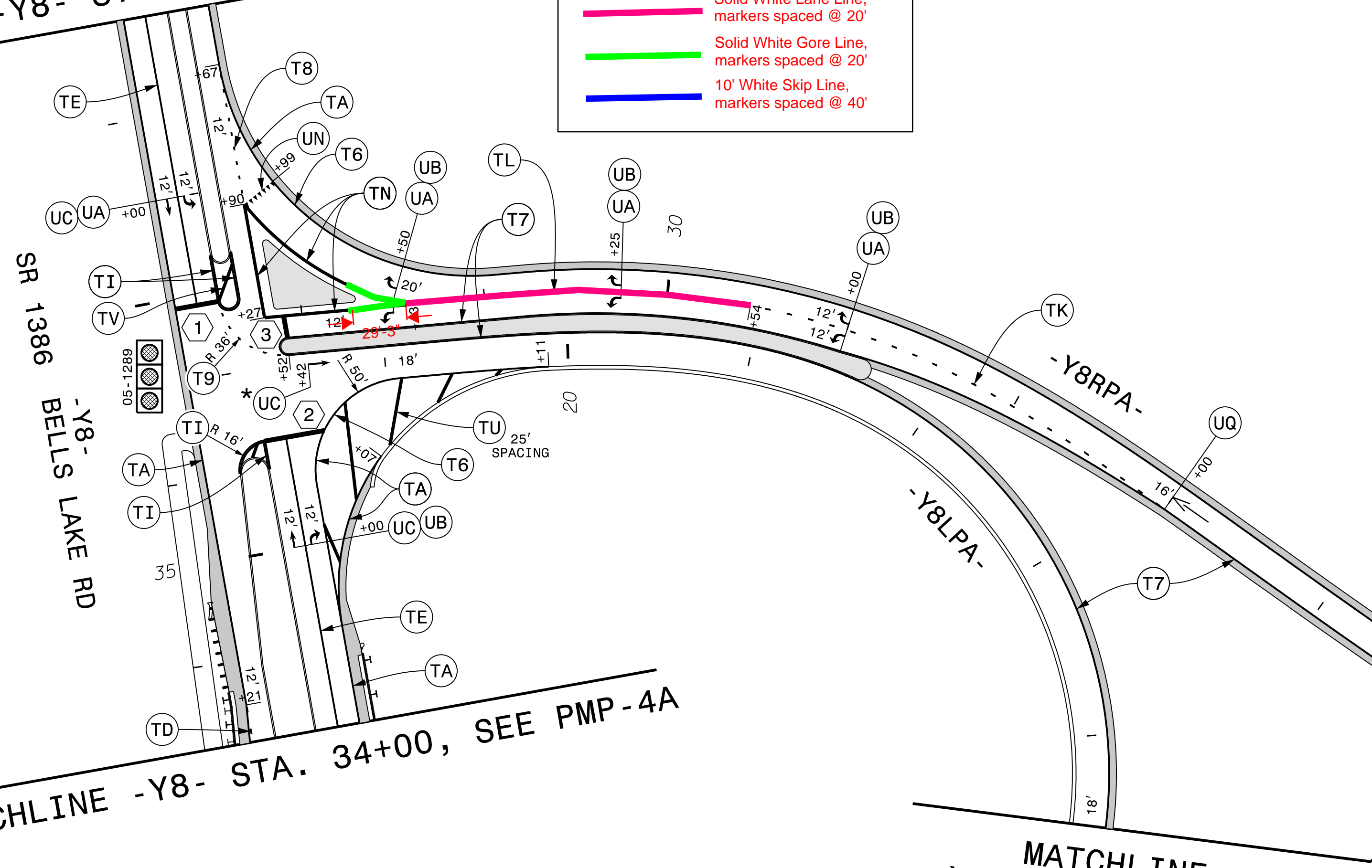
\* ELONGATED STRAIGHT ARROW, SEE TMP-1C FOR RSD "SIDE-BY-SIDE/ADJACENT ON/OFF RAMPS"

- Solid White Lane Line, markers spaced @ 20'
- Solid White Gore Line, markers spaced @ 20'
- 10' White Skip Line, markers spaced @ 40'





MATCHLINE -Y8- STA. 34+00, SEE PMP-4A

MATCHLINE -Y8LPA- STA. 15+50  
SEE PMP-4A

MATCHLINE -Y8RPA- STA. 25+00  
SEE PMP-4B



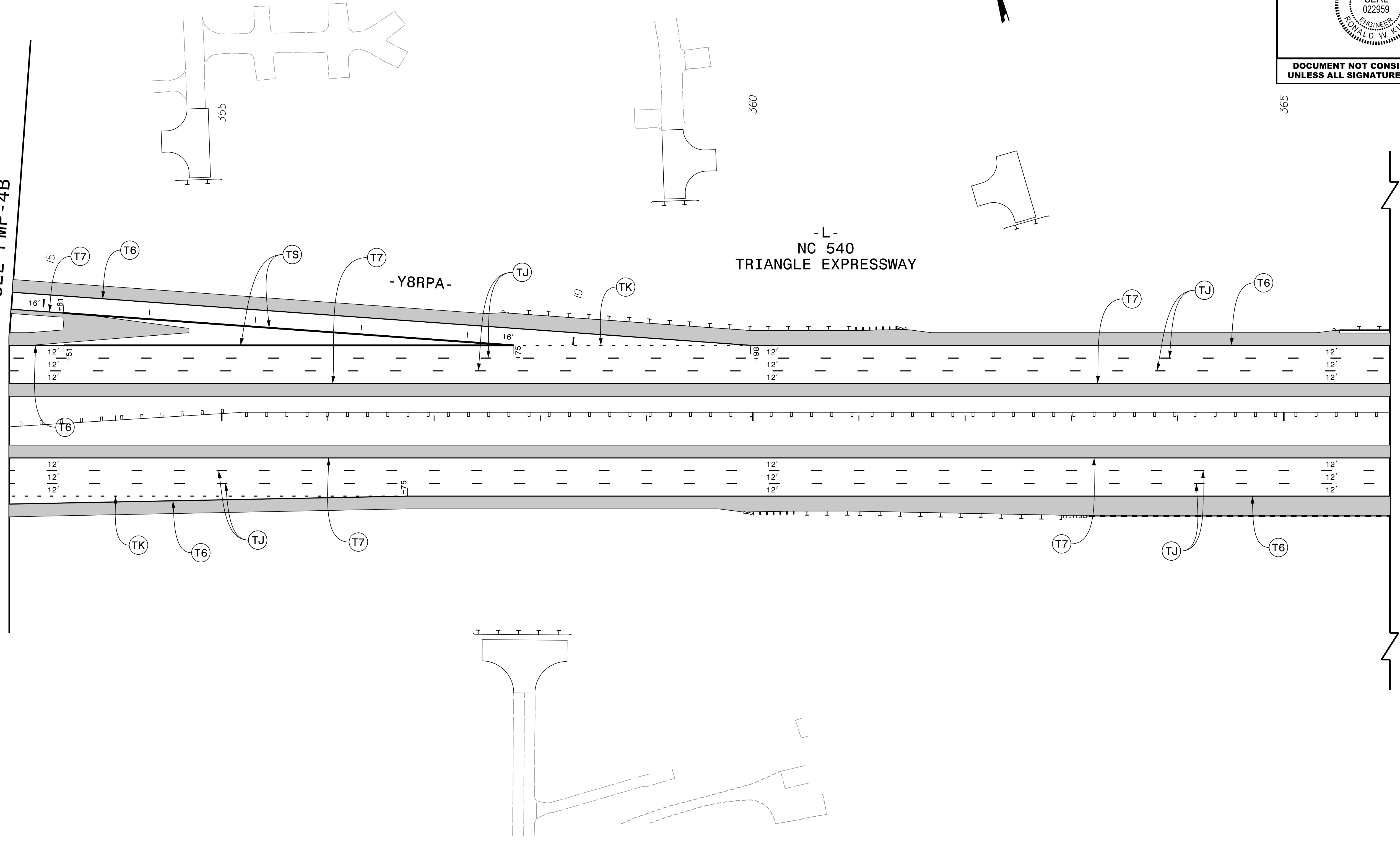
**PAVEMENT MARKING DETAIL**

 	TIP NO. R-2721B	SHEET NO. PMP-5
	APPROVED: <i>Ron King</i> DATE: 7/9/2020	
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116		
		
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>		

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\p\p\h\p\uses01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_NC-540\_DB\6.0\_CAD\_BIM\6.2\_WIP\R-2721B\_Traffic\ Pavement\ Marking\R2721B\_PM\_PMP05.dgn

MATCHLINE  
 -L- STA. 353+00  
 SEE PMP-4B

MATCHLINE  
 -Y8RPA- STA. 15+30  
 SEE PMP-4B



BREAKLINE -L- STA. 366+00, SEE PMP-6

**PAVEMENT MARKING DETAIL**

**FLATIRON** **BRANCH CIVIL**

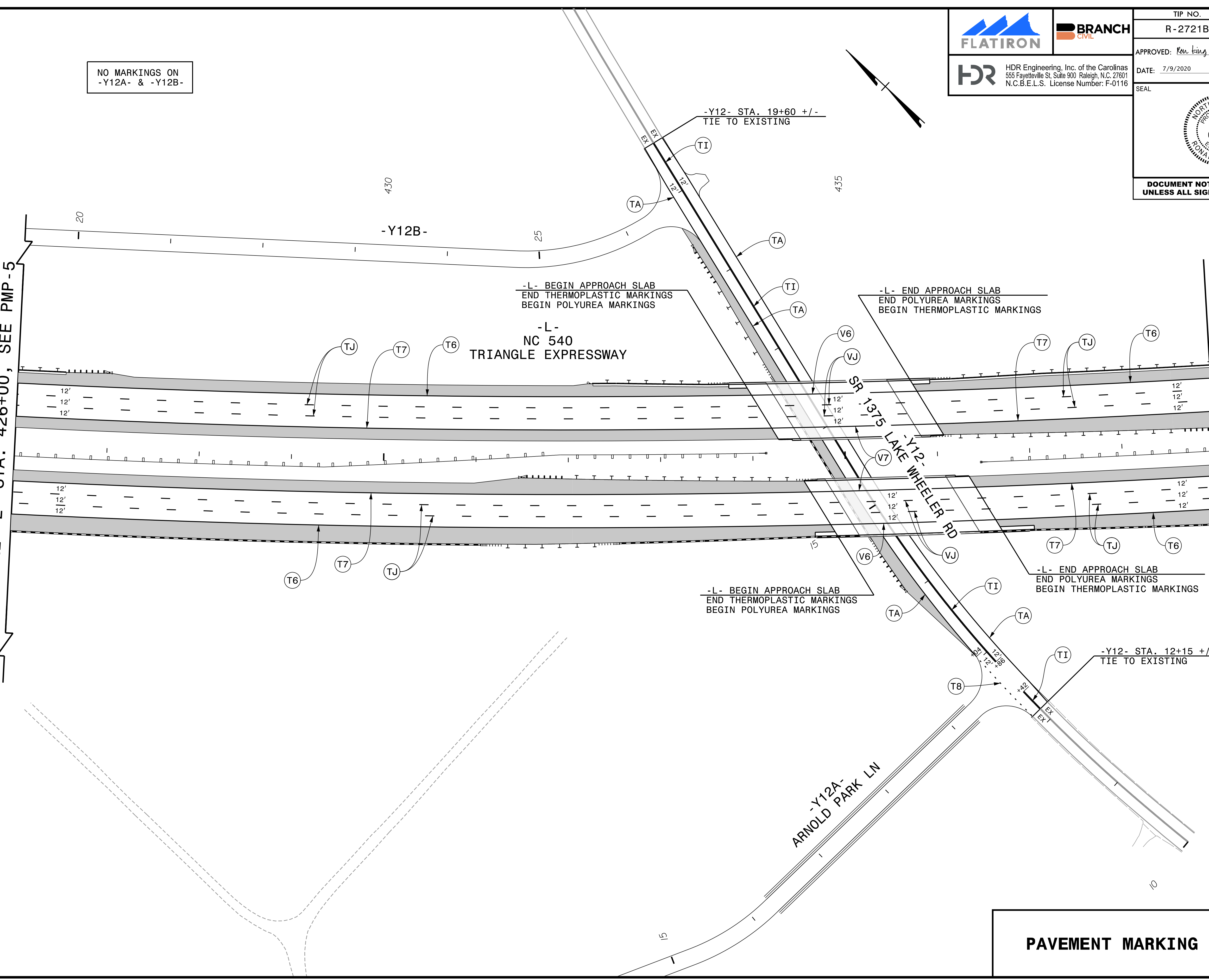
**HDR** HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO. R-2721B	SHEET NO. PMP-6
APPROVED: <i>Ron King</i>	
DATE: 7/9/2020	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NO MARKINGS ON  
-Y12A- & -Y12B-

BREAKLINE -L- STA. 426+00, SEE PMP-5





MATCHLINE -L- STA. 439+00, SEE PMP-7

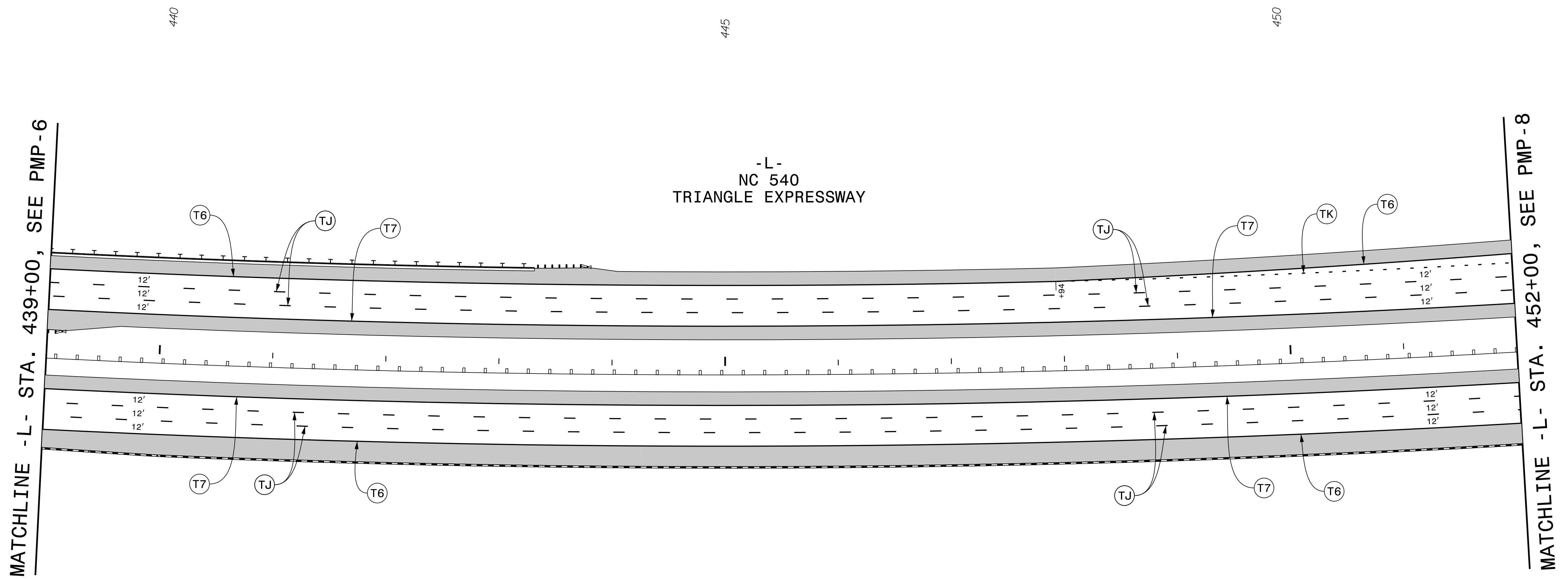
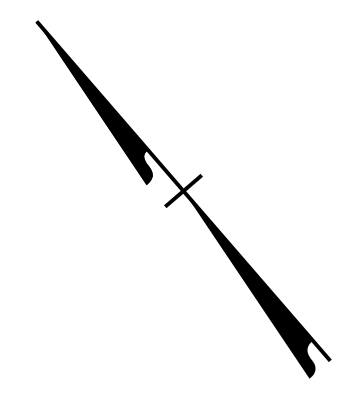


PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\p\h\dr\uses\01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\BIM\6.2\_WIP\R-2721B\Traffic\ Pavement\ Marking\R2721B\_PM\_PMP06.dgn

PENTABLE: NCDOT\_PMP.tbl  
 TIME: 3:08:37 PM  
 DATE: 7/9/2020

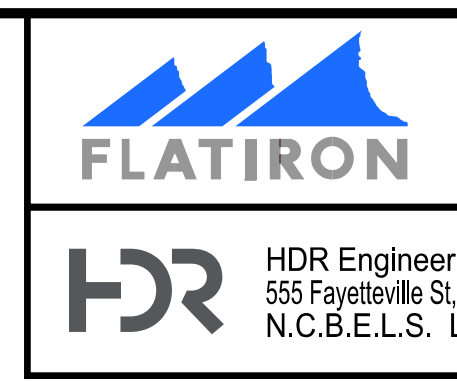
**PAVEMENT MARKING DETAIL**

 	TIP NO. R-2721B	SHEET NO. PMP-7
	APPROVED: <i>Ron King</i>	
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	DATE: 7/9/2020	
	SEAL 	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>		



**PAVEMENT MARKING DETAIL**

PLOT DRIVER: NCDOT\_color\_eng\_50.plt      PENTABLE: NCDOT\_PMP.tbl  
 USER: CHARNDEN      DATE: 7/9/2020      TIME: 3:09:01 PM  
 FILE: p:\pwhdr\users\charnd\US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\BIM\6.2\_WIP\R-2721B\_TrafficPavement\_Marking\R2721B\_PM\_PMP07.dgn

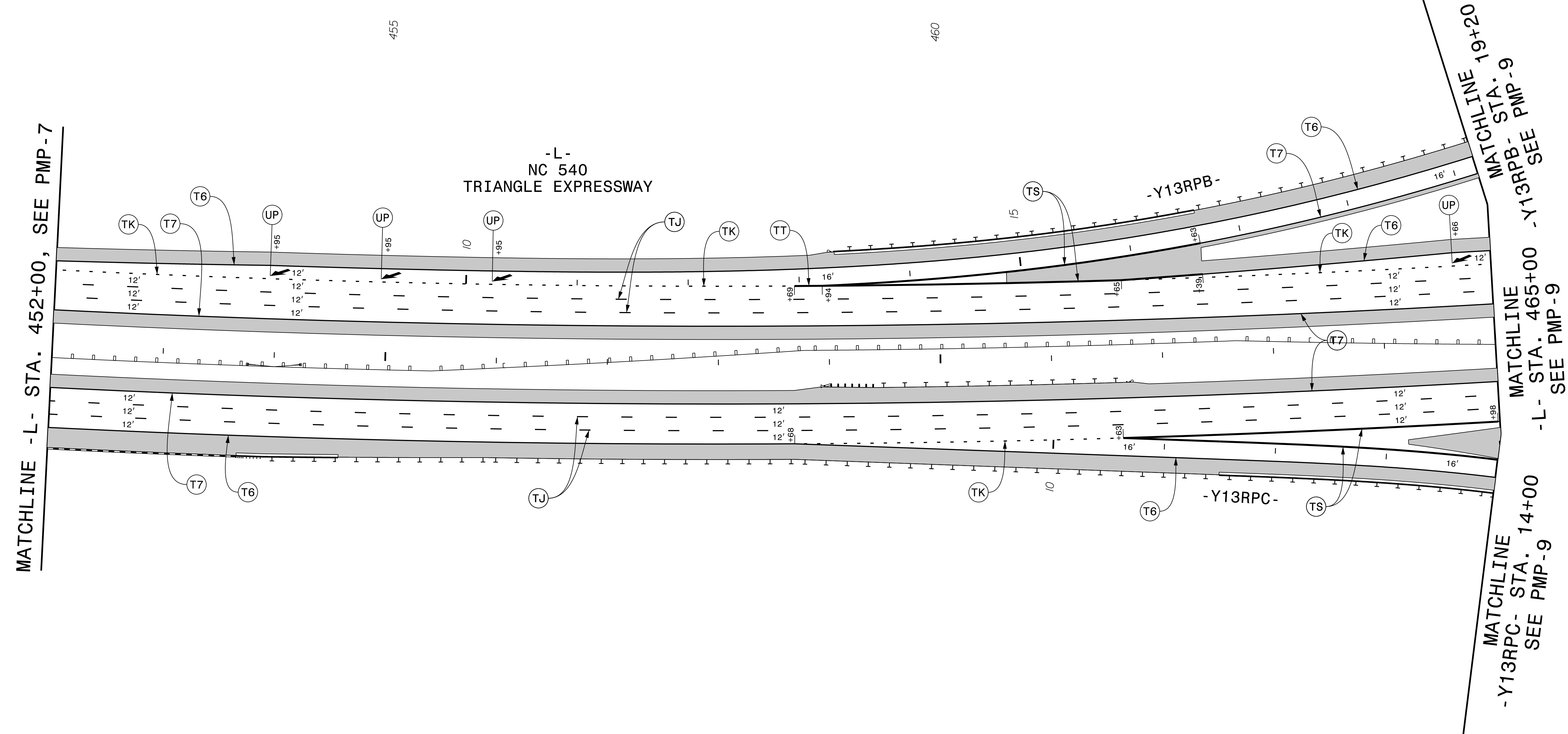
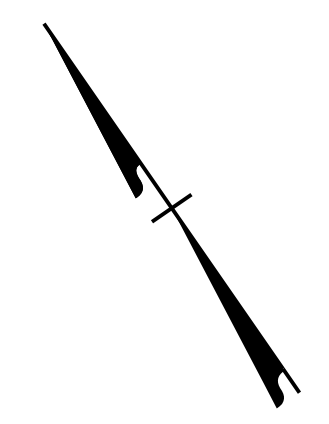


BRANCH CIVIL  
HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO. R-2721B	SHEET NO. PMP-8
APPROVED: <i>Ron King</i>	
DATE: 7/9/2020	
SEAL	







DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

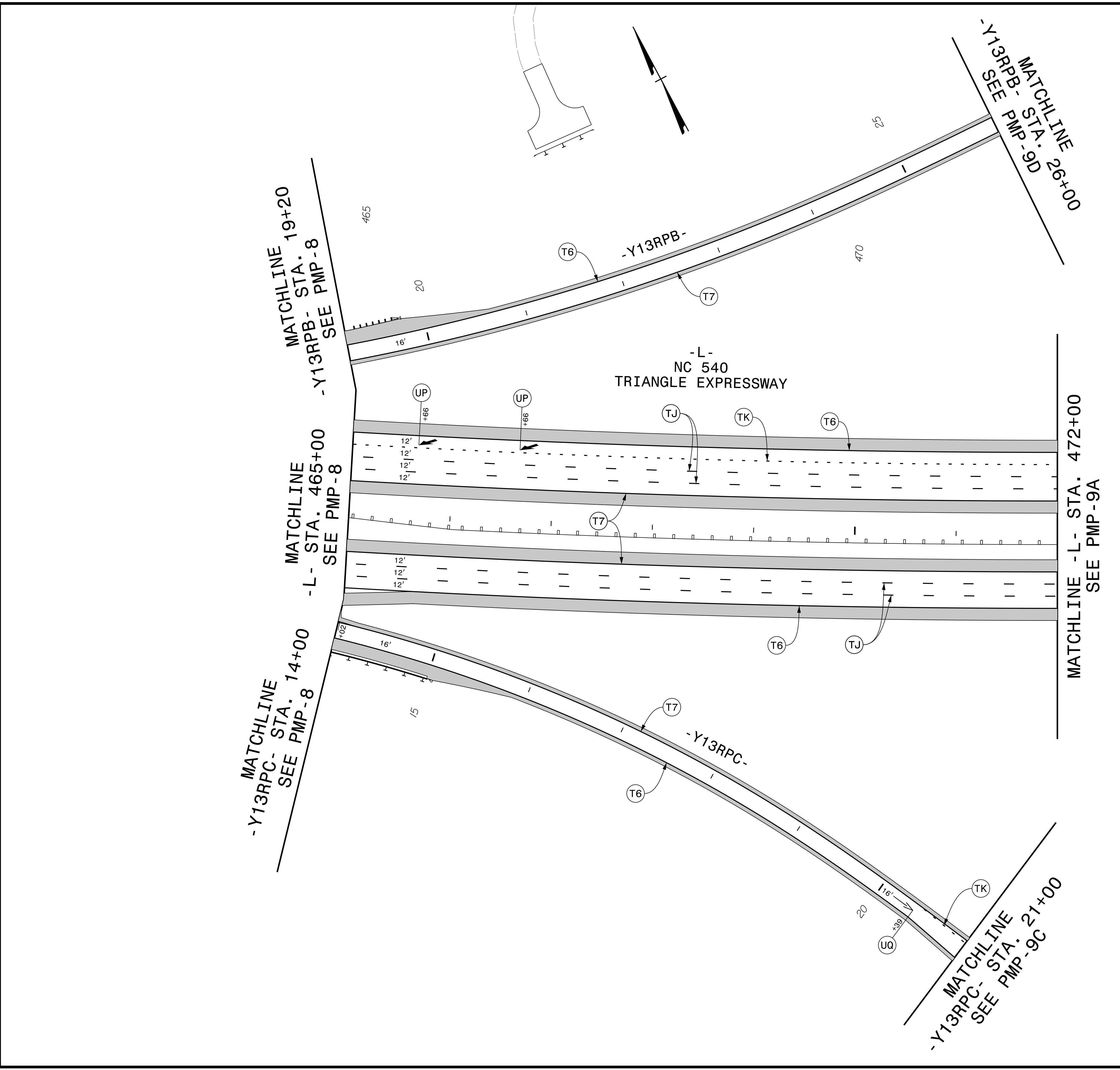


PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\pwhdr\users\01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BITMAP\6.2\_WIP\R-2721B\_TrafficPavement\_Marking\R2721B\_PM\_PMP08.dgn  
 PENTABLE: NCDOT\_PMP.tbl  
 TIME: 3:09:26 PM  
 DATE: 7/9/2020

**PAVEMENT MARKING DETAIL**

PLOT DRIVER: NCDOT\_color\_eng\_50.plt PENTABLE: NCDOT\_PMP.tbl  
USER: CHARNDEN DATE: 7/9/2020 TIME: 3:09:52 PM  
FILE: p:\p\p\h\p\uses\01\H\US\_Eost\01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BIM\6.2\_WIP\R-2721B\Traffic\Pavement\Marking\R2721B\_PM\_PMP09.dgn

		TIP NO. R-2721B	SHEET NO. PMP-9
		APPROVED: <i>Ron King</i>	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116		DATE: 7/9/2020	
SEAL			
			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



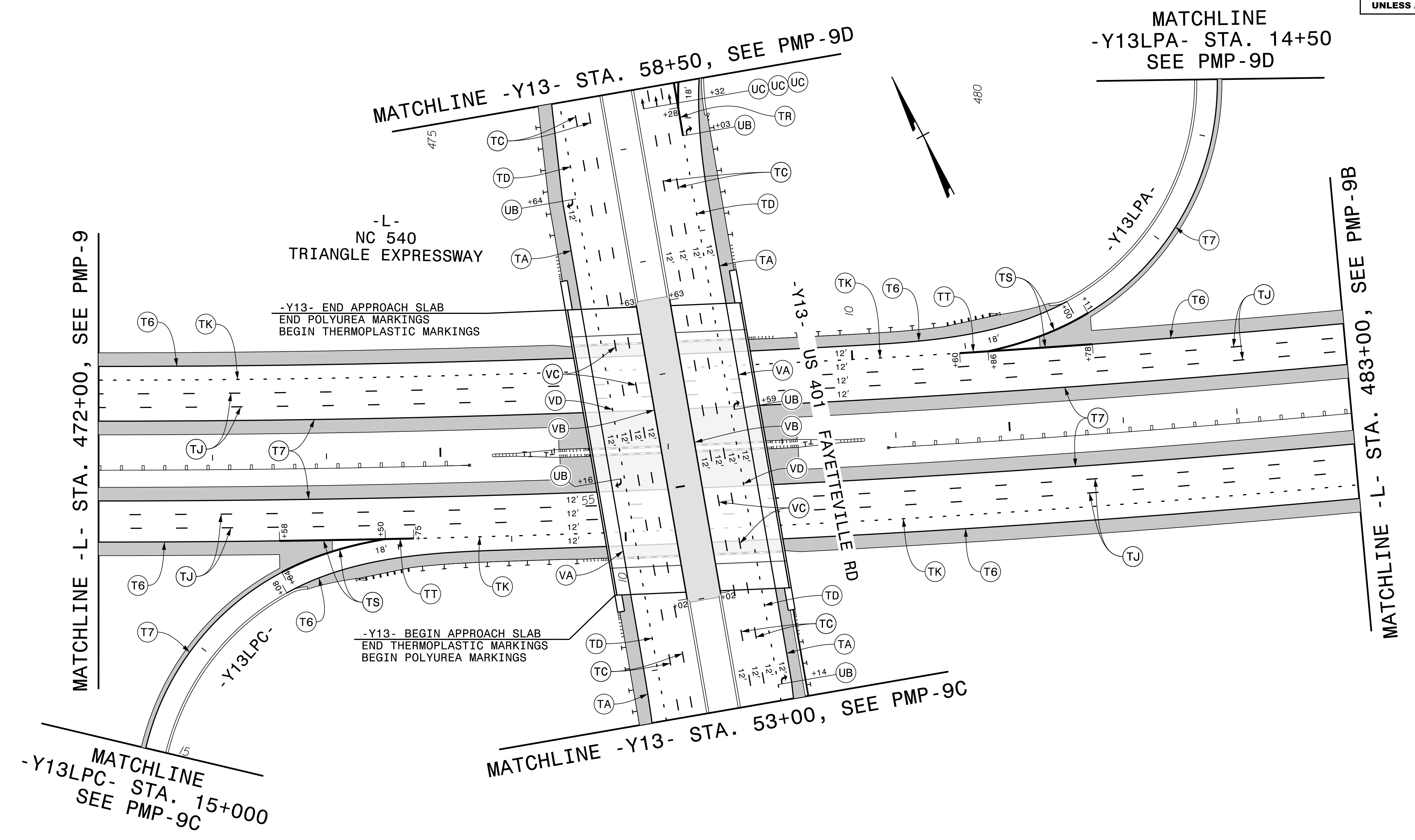
**PAVEMENT MARKING DETAIL**

**FLATIRON** **BRANCH CIVIL**




**HDR** HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO. R-2721B	SHEET NO. PMP-9A
APPROVED: <i>Ron King</i>	
DATE: 7/9/2020	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\dwg\hdr\uses\01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\_V6\_0\_CAD\_BIM\_V6.2\_WIP\AR-2721B\Traffic\ Pavement\ Marking\AR2721B\_PM\_PMP09A



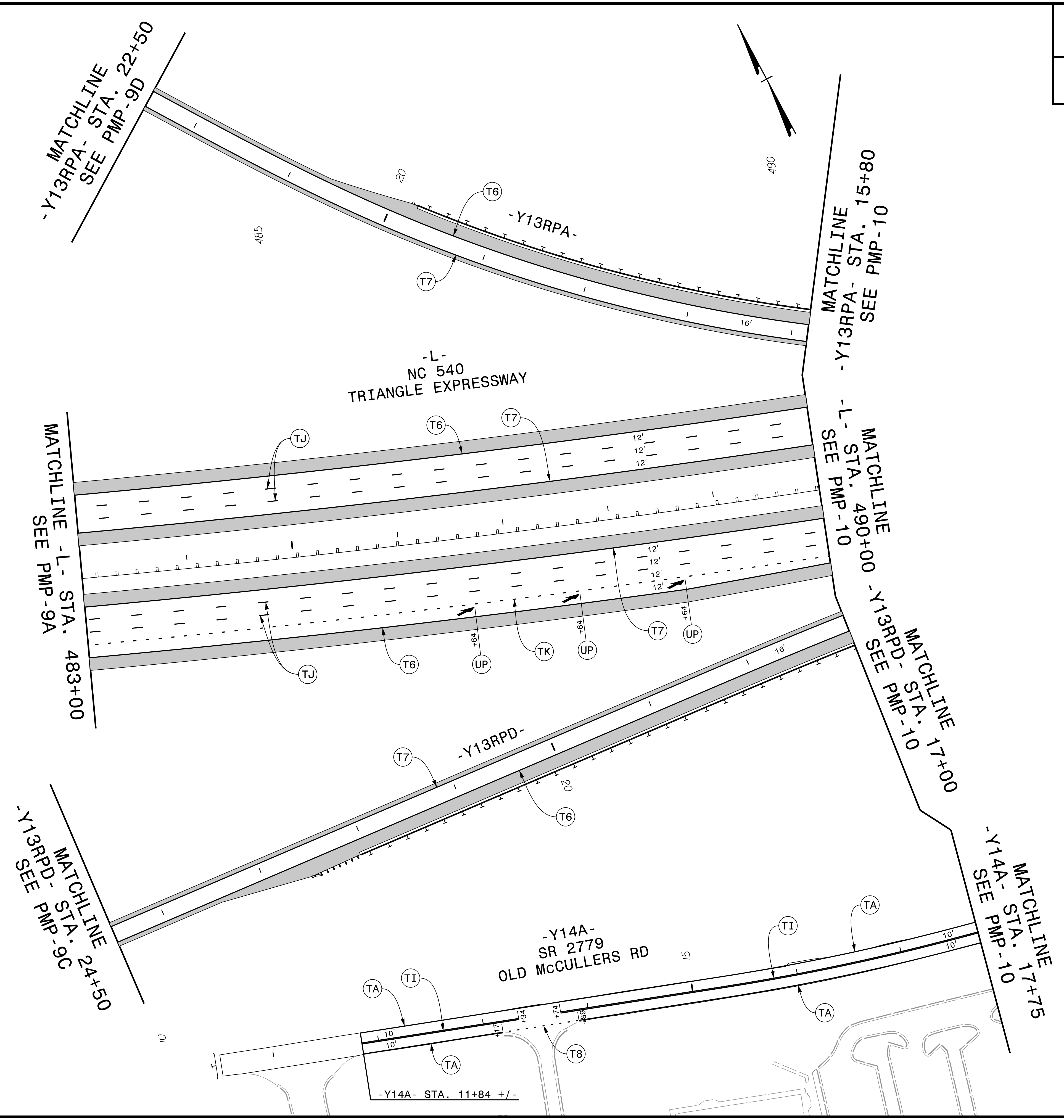
**PAVEMENT MARKING DETAIL**

		TIP NO. R-2721B	SHEET NO. PMP-9B
		HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	
APPROVED: <i>Ron King</i>		DATE: 7/9/2020	
SEAL			



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

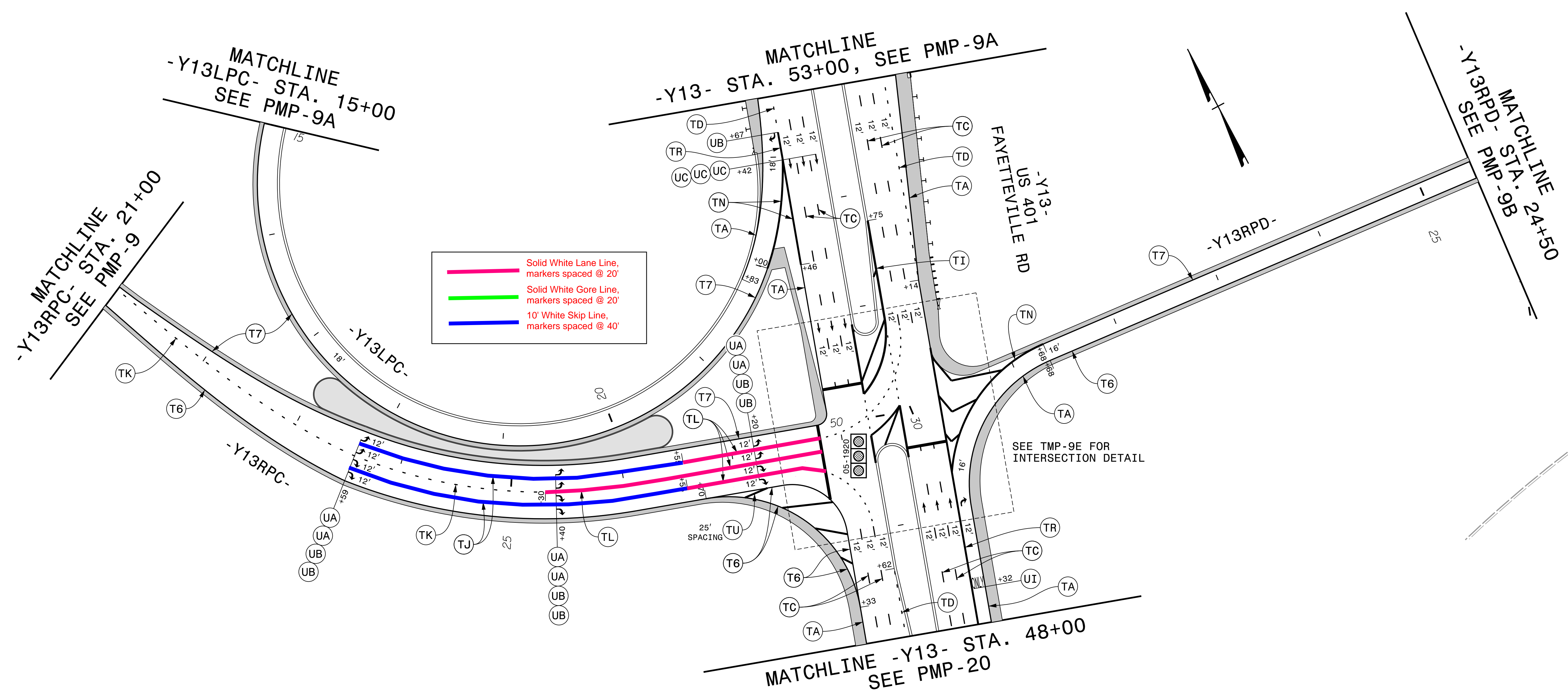
PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\dwg\dr\uses01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BIM\6.2\_WIP\R-2721B\Traffic\Pavement\Marking\R2721B\_PM\_PMP09B







**PAVEMENT MARKING DETAIL**

		TIP NO. R-2721B	SHEET NO. PMP-9C
		APPROVED: <i>Ron King</i>	
	HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	DATE: 7/9/2020	SEAL
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			

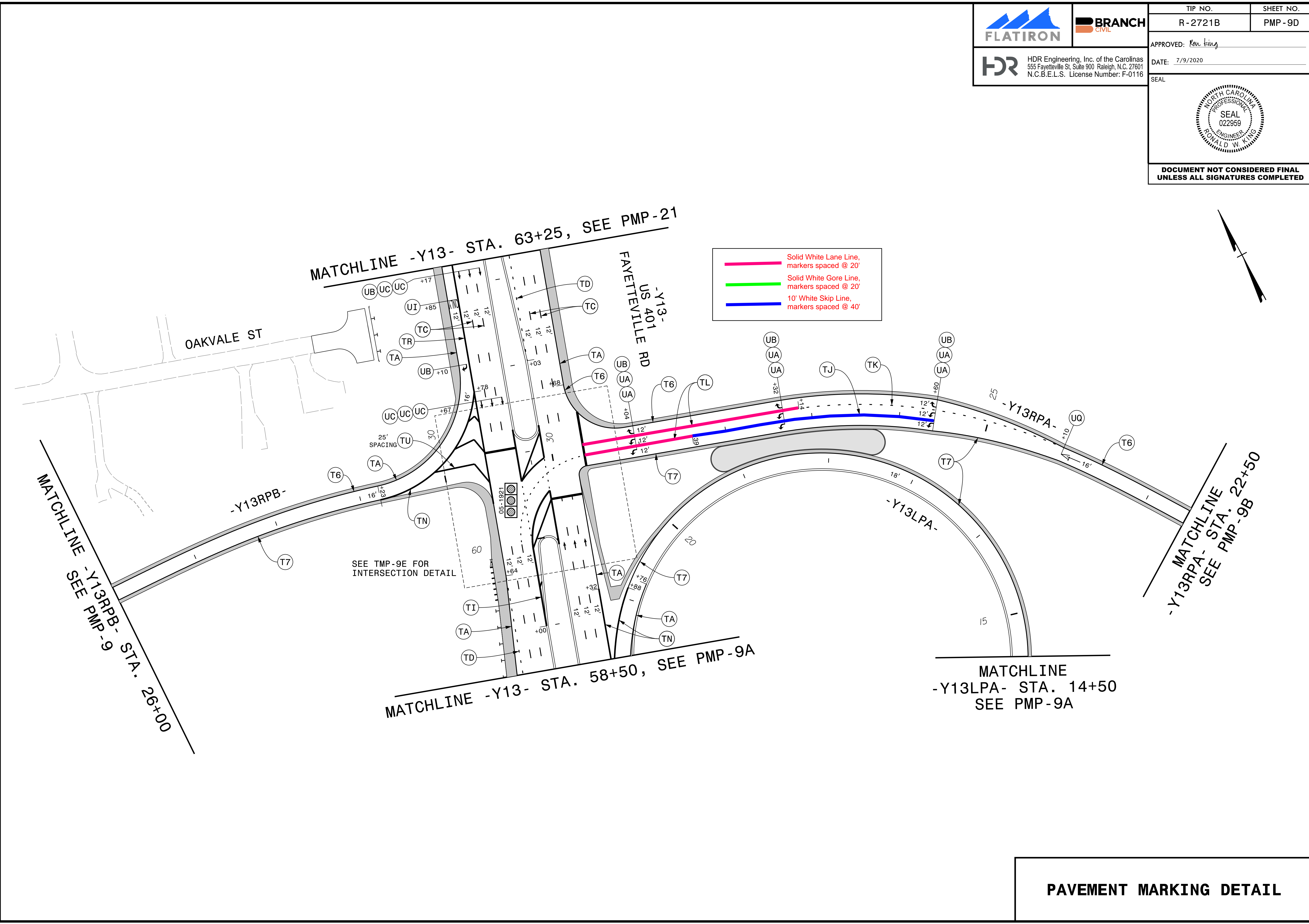
PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\dwg\hdr\users\01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BIM\6.2\_WIP\R-2721B\Traffic\ Pavement\ Marking\Y13R-2721B\_PM\_PMP09C



**PAVEMENT MARKING DETAIL**

 	TIP NO. R-2721B	SHEET NO. PMP-9D
	APPROVED: <i>Ron King</i>	
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	DATE: 7/9/2020	
	SEAL	
		
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>		

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\p\h\p\uses\01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BIM\6.2\_WIP\R-2721B\Traffic\ Pavement\ Marking\Y13RPA\_PMP09D

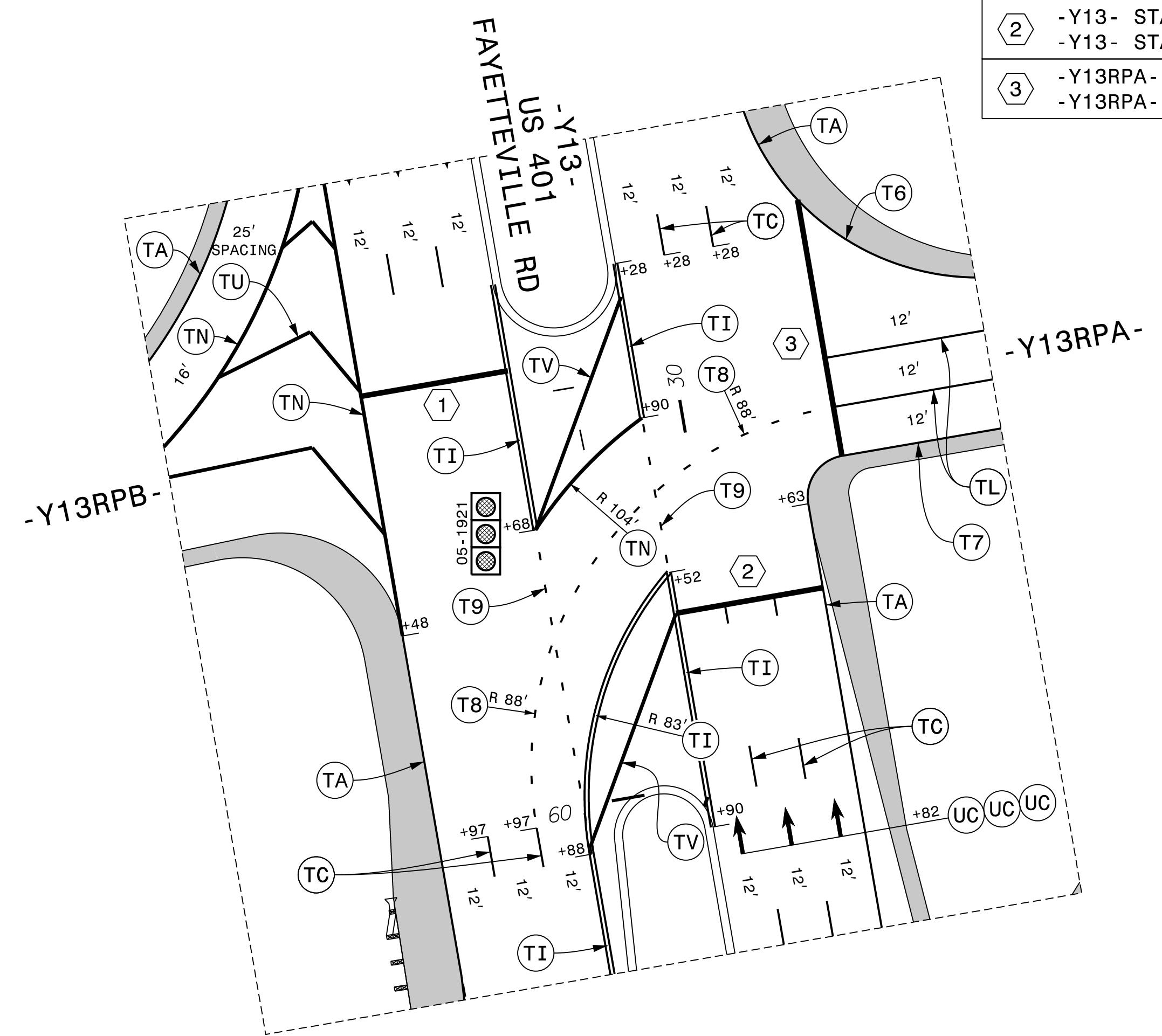


**PAVEMENT MARKING DETAIL**

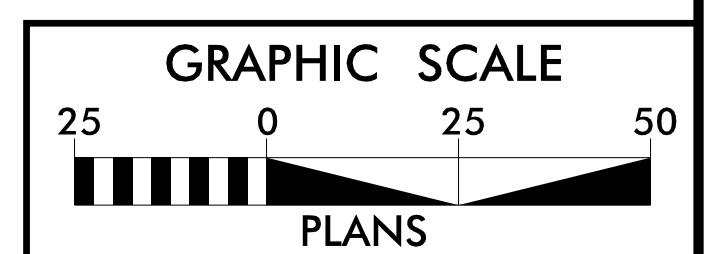
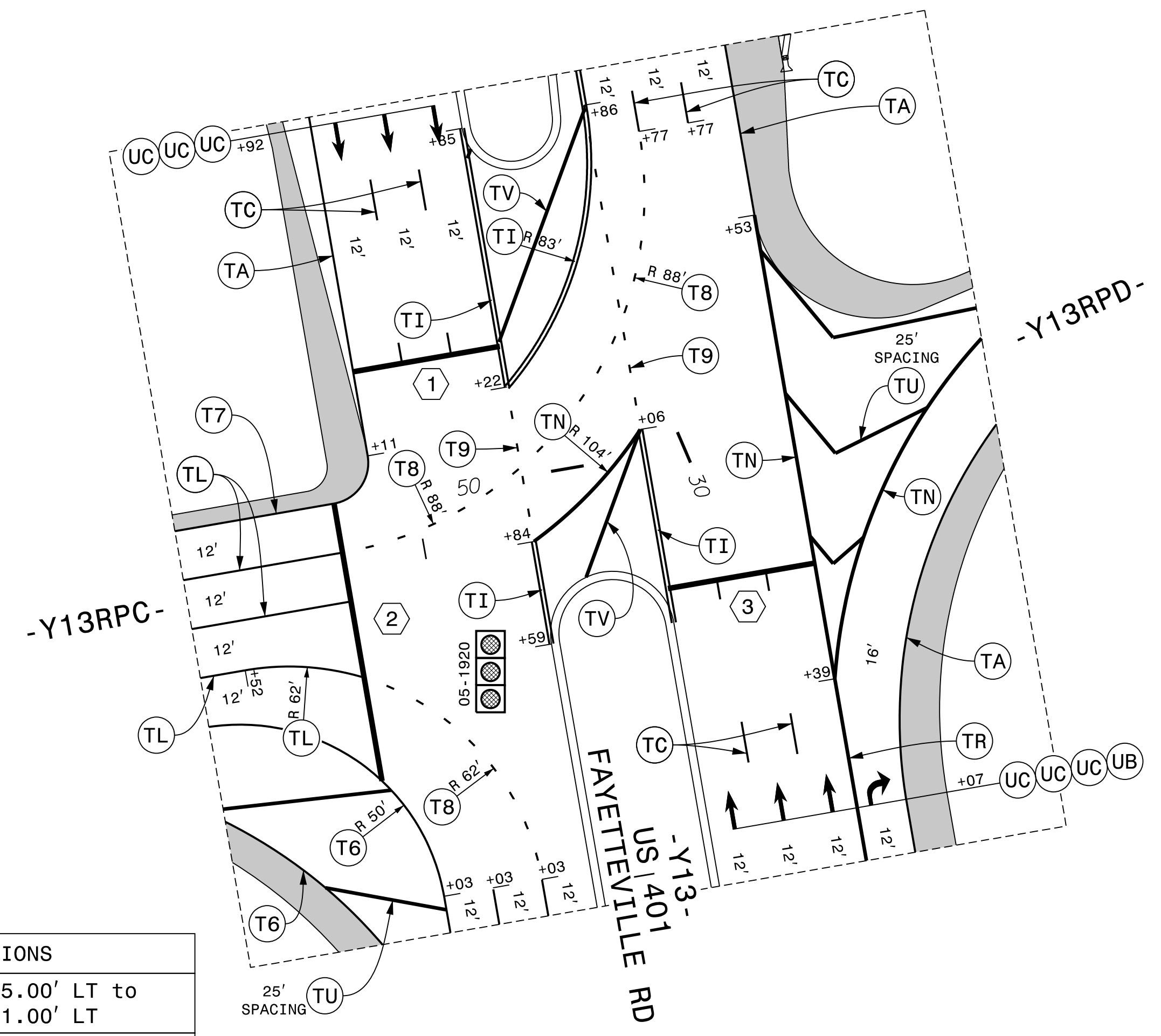
**FLATIRON**  
**BRANCH CIVIL**  
**HDR** HDR Engineering, Inc. of the Carolinas  
 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116

TIP NO. R-2721B	SHEET NO. PMP-9E
APPROVED: <i>Ron King</i>	
DATE: 7/9/2020	
SEAL	
<b>DOCUMENT NOT CONSIDERED FINAL                  UNLESS ALL SIGNATURES COMPLETED</b>	

(T2) STOPBAR LOCATIONS	
①	-Y13- STA. 61+06.66, 15.00' LT to -Y13- STA. 61+06.66, 51.00' LT
②	-Y13- STA. 60+42.03, 15.00' RT to -Y13- STA. 60+42.03, 51.00' RT
③	-Y13RPA- STA. 29+63.69, 12.00' LT to -Y13RPA- STA. 29+63.69, 50.77' RT



(T2) STOPBAR LOCATIONS	
①	-Y13- STA. 50+31.89, 15.00' LT to -Y13- STA. 50+31.89, 51.00' LT
②	-Y13RPC- STA. 27+80.35, 12.00' LT to -Y13RPC- STA. 27+80.35, 56.00' RT
③	-Y13- STA. 49+67.28, 15.00' RT to -Y13- STA. 49+67.28, 51.00' RT




**-Y13- RAMP TERMINAL  
 INTERSECTION DETAILS**

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\dwg\hdr\users\01\hdr\US\_East\01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BIM\6.2\_WIP\R-2721B\_Traffic\_Pavement\_Marking\R2721B\_PM\_PMP09E.dgn  
 PENTABLE: NCDOT\_PMP.tbl  
 DATE: 7/9/2020  
 TIME: 3:11:52 PM

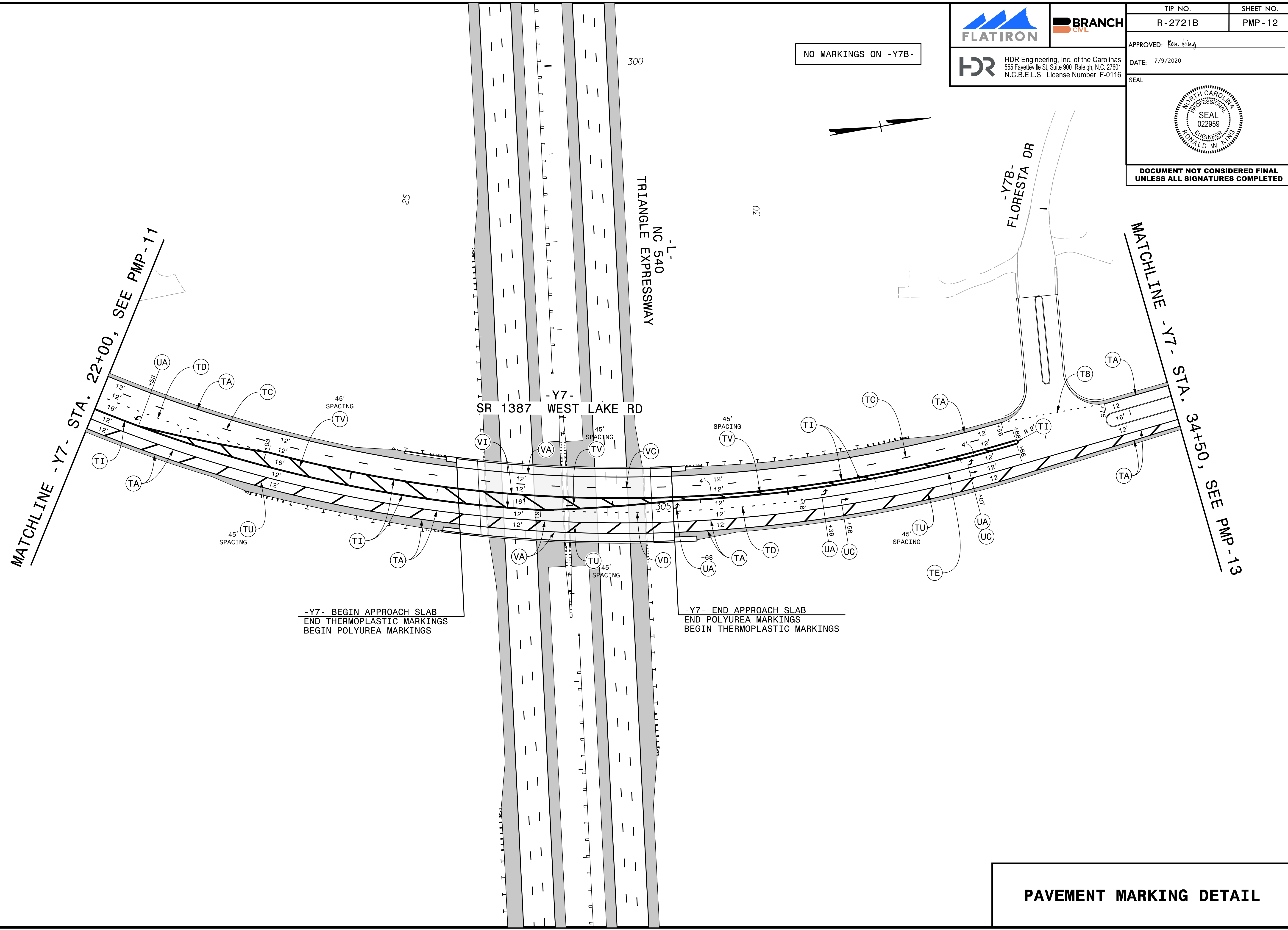
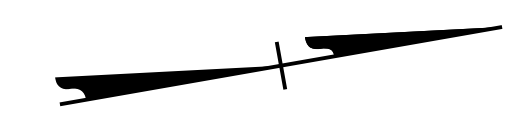




**FLATIRON**  
**BRANCH CIVIL**  
**HDR** HDR Engineering, Inc. of the Carolinas  
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116

TIP NO. R-2721B	SHEET NO. PMP-12
APPROVED: <i>Ron King</i>	
DATE: 7/9/2020	
SEAL	
	
<b>DOCUMENT NOT CONSIDERED FINAL          UNLESS ALL SIGNATURES COMPLETED</b>	

NO MARKINGS ON -Y7B-






-Y7- BEGIN APPROACH SLAB  
 END THERMOPLASTIC MARKINGS  
 BEGIN POLYUREA MARKINGS

-Y7- END APPROACH SLAB  
 END POLYUREA MARKINGS  
 BEGIN THERMOPLASTIC MARKINGS

**PAVEMENT MARKING DETAIL**

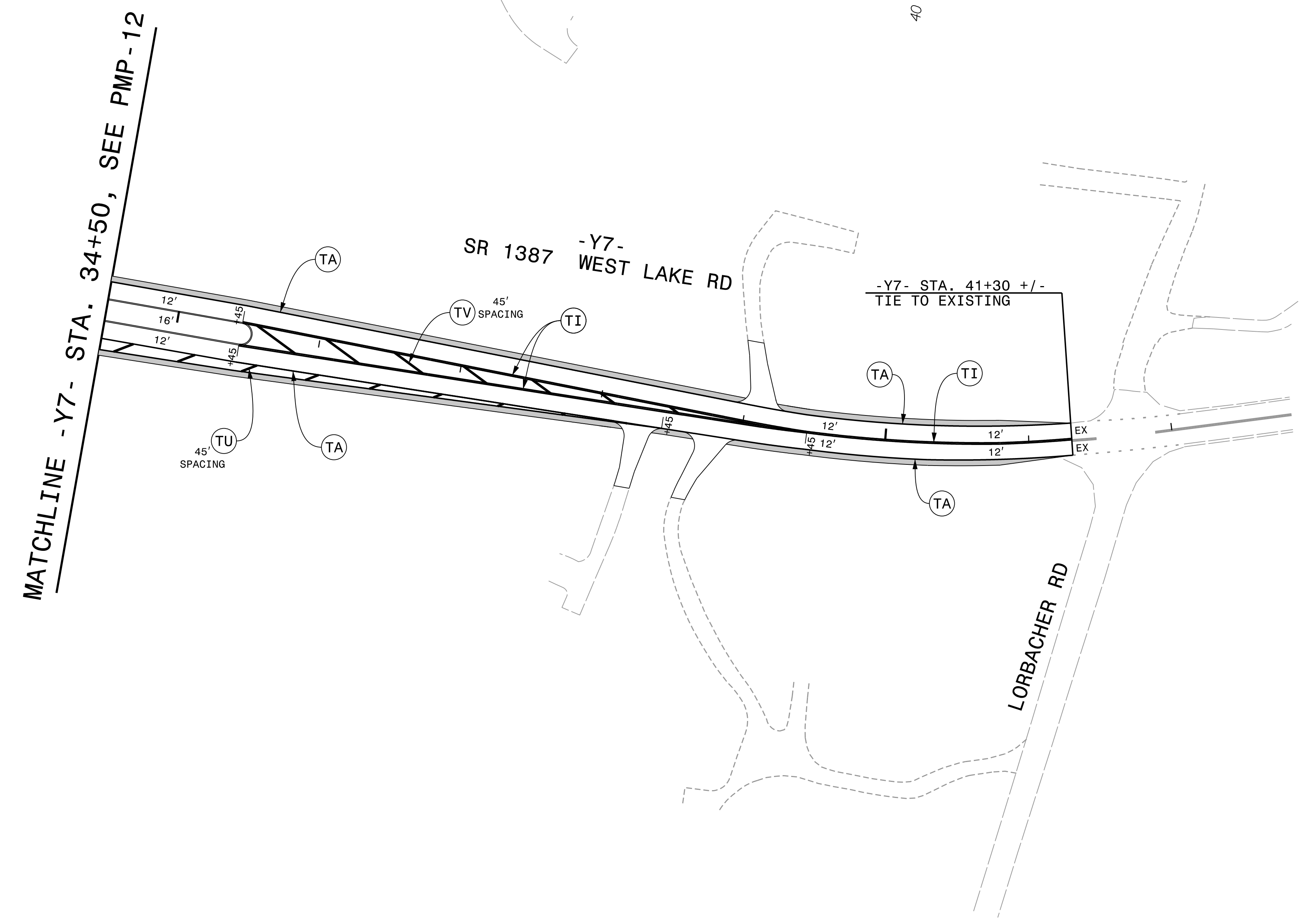
PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 DATE: 7/9/2020  
 TIME: 3:12:59 PM  
 FILE: p:\p\h\h\users\charnd\US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\BITM\6.2\_WIP\R-2721B\_TrafficPavement\_Marking\R2721B\_PM\_PMP12.dgn

		TIP NO. R-2721B	SHEET NO. PMP-13
		APPROVED: <i>Ron King</i>	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116		DATE: 7/9/2020	
SEAL			



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\p\h\h\users\01\H\H\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\BITM\6.2\_WIP\R-2721B\Traffic\ Pavement\ Marking\ R2721B\_PM\_PMP13.dgn



**PAVEMENT MARKING DETAIL**



HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO.	SHEET NO.
R-2721B	PMP-14

APPROVED: *Ron King*

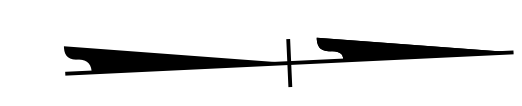
DATE: 7/9/2020

SEAL

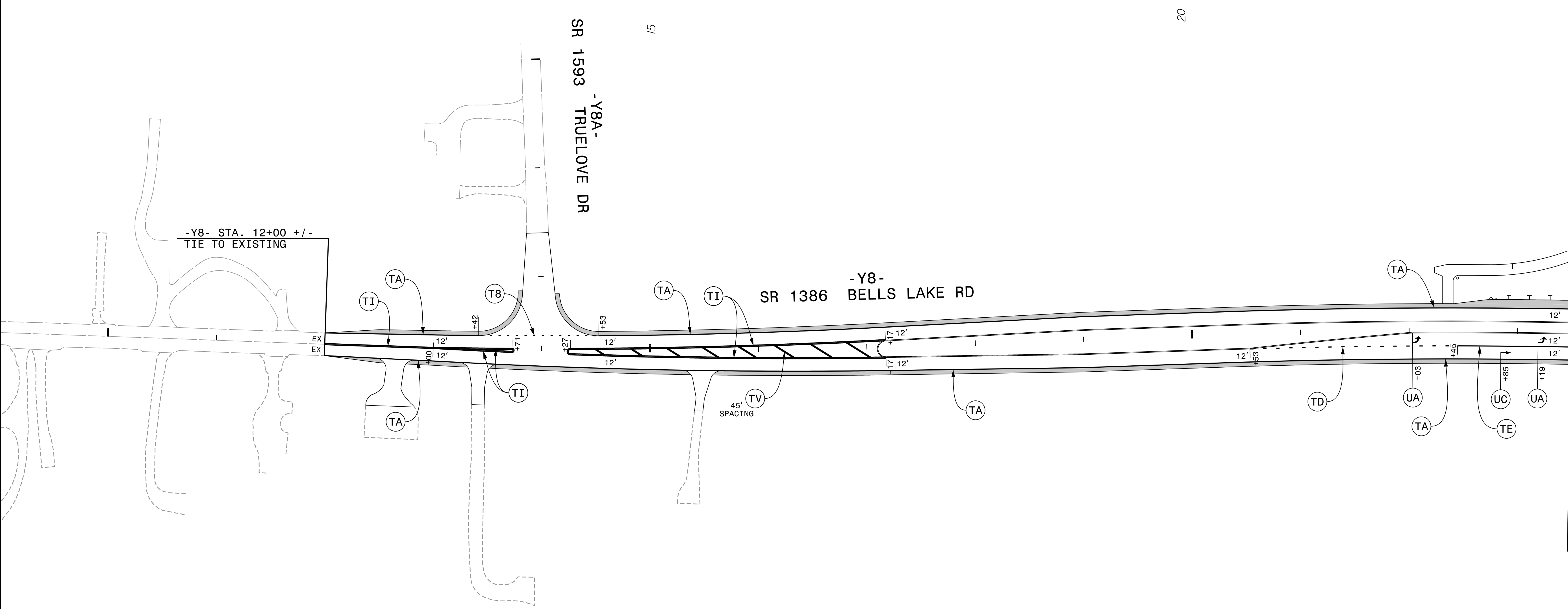


**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

NO MARKINGS ON -Y8A-



PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
USER: CHARNDEN  
FILE: p:\pwhdr\users\01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\6.2.WIP\AR-2721B\Traffic\ Pavement\ Marking\AR2721B\_PM\_PMP14.dgn  
PENTABLE: NCDOT\_PMP.tbl  
DATE: 7/9/2020  
TIME: 3:13:44 PM

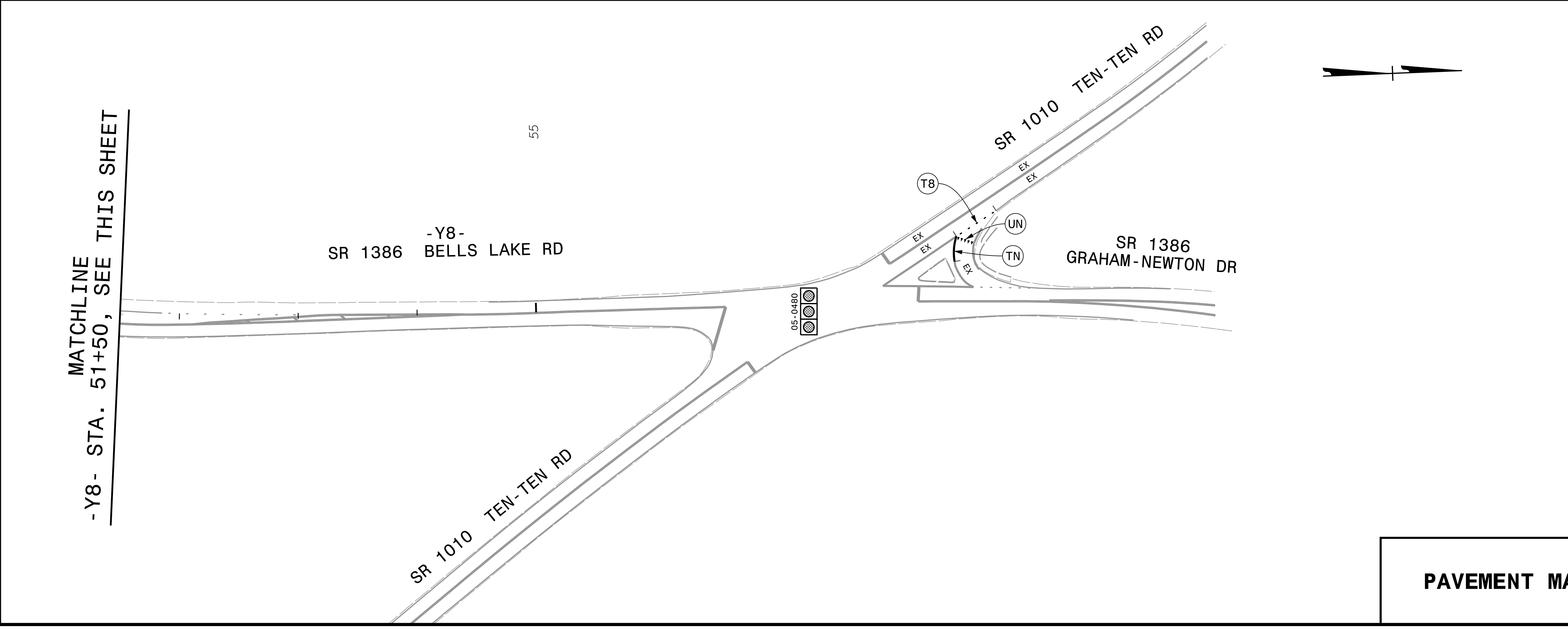
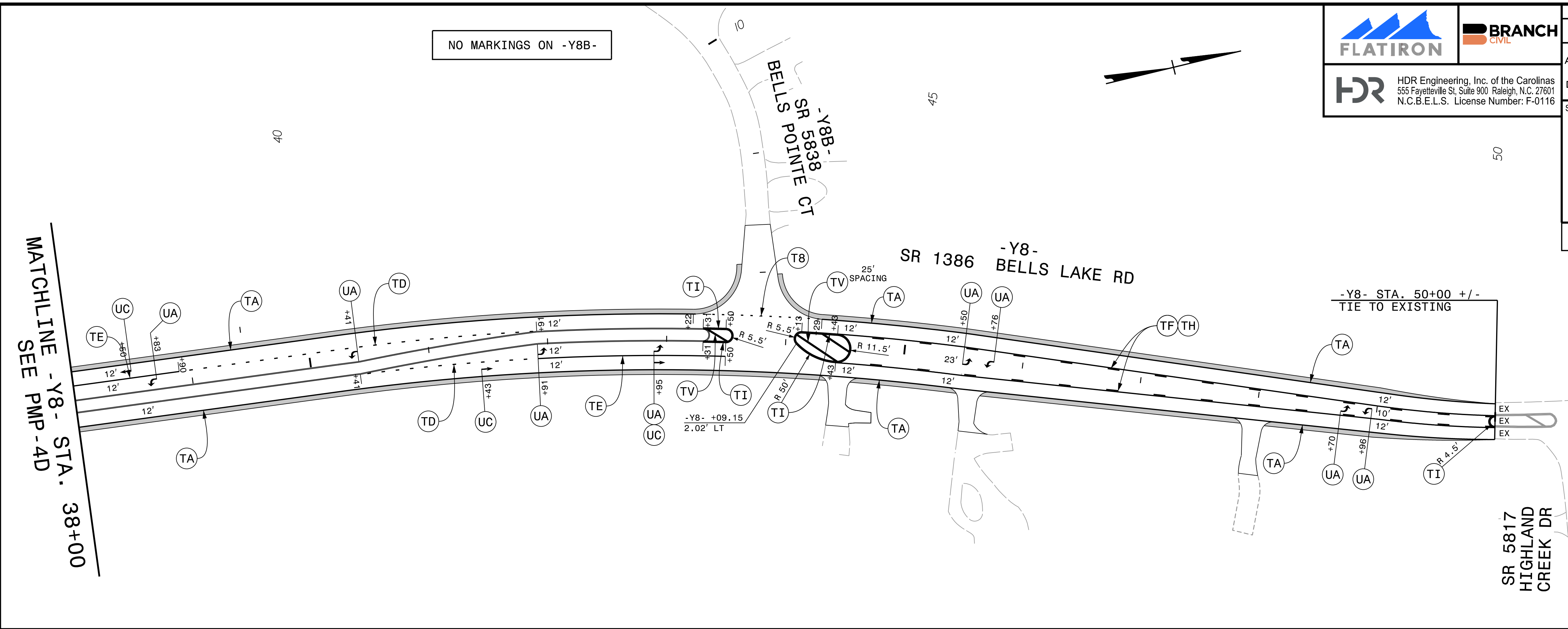


**PAVEMENT MARKING DETAIL**

**FLATIRON** **BRANCH CIVIL**

**HDR** HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO. R-2721B	SHEET NO. PMP-15
APPROVED: <i>Ron King</i>	
DATE: 7/9/2020	
SEAL	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



**PAVEMENT MARKING DETAIL**

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\pwhdr\users\01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BITMAP\6.2\_WIP\R-2721B\Traffic\ Pavement\ Marking\R2721B\_PM\_PMP15.dgn  
 PENTABLE: NCDOT\_PMP.tbl  
 TIME: 3:14:09 PM  
 DATE: 7/9/2020

MATCHLINE -Y8- STA. 38+00  
 SEE PMP-4D

MATCHLINE -Y8- STA. 51+50, SEE THIS SHEET


MATCHLINE -Y8- STA. 51+50,  
 SEE THIS SHEET

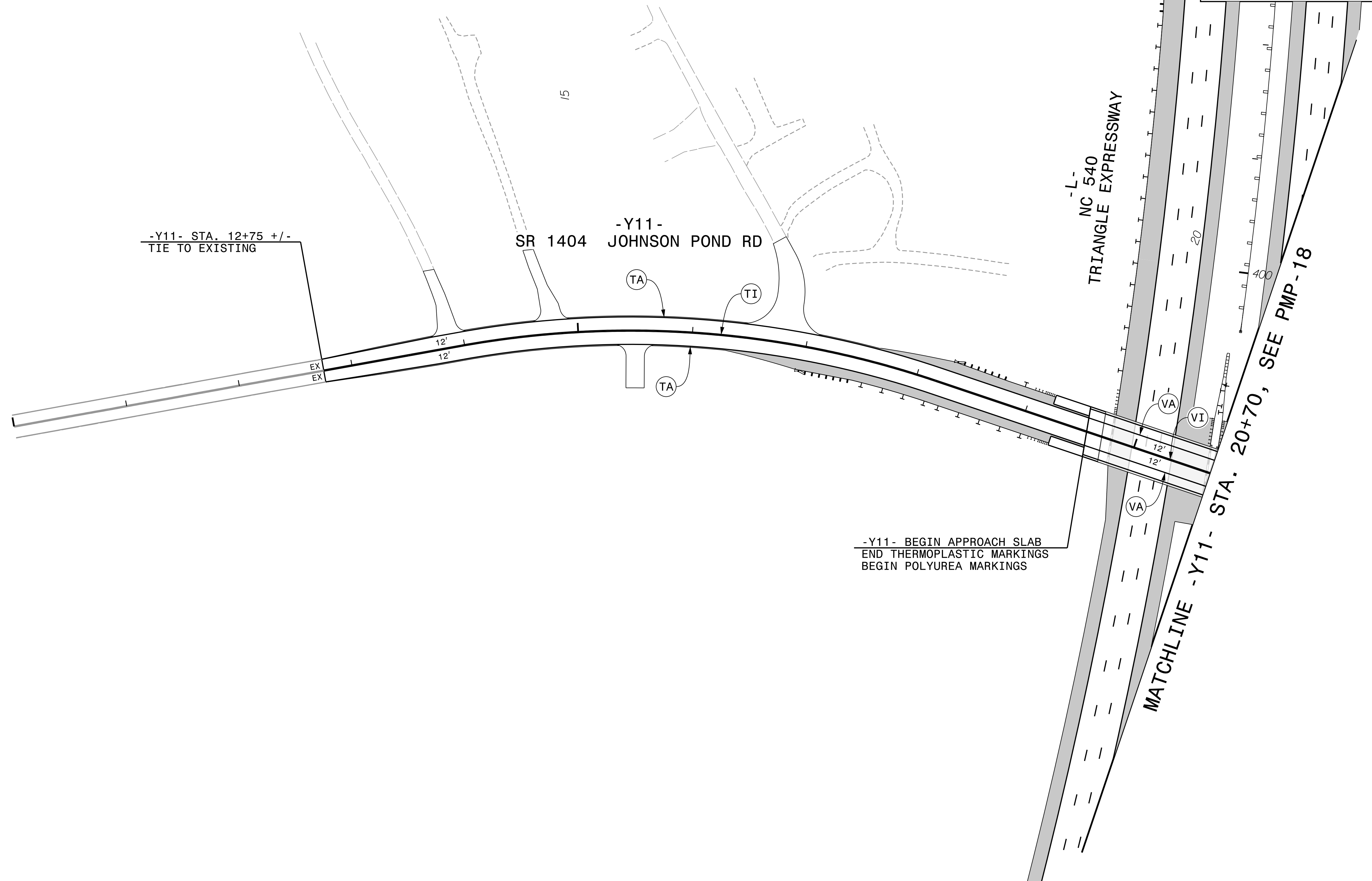
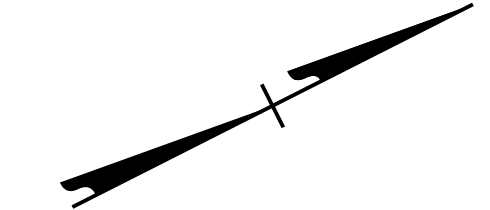


**FLATIRON**

**BRANCH CIVIL**

**HDR** HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO. R-2721B	SHEET NO. PMP-17
APPROVED: <i>Ron King</i>	
DATE: 7/9/2020	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PLOT DRIVER: NCDOT\_color\_eng\_50.pit PENTABLE: NCDOT\_PMP.tbl  
 USER: CHARNDEN DATE: 7/9/2020 TIME: 3:14:57 PM  
 FILE: p:\pwhdr\users\charnden\US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BIM\6.2\_WIP\R-2721B\Traffic\ Pavement\ Marking\ R2721B\_PM\_PMP17.dgn

**PAVEMENT MARKING DETAIL**



HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO.	SHEET NO.
R-2721B	PMP-18

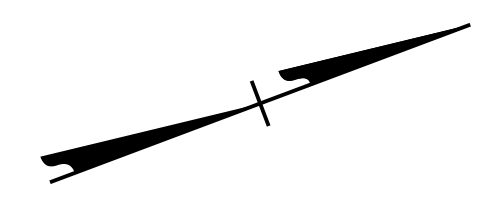
APPROVED: *Ron King*

DATE: 7/9/2020

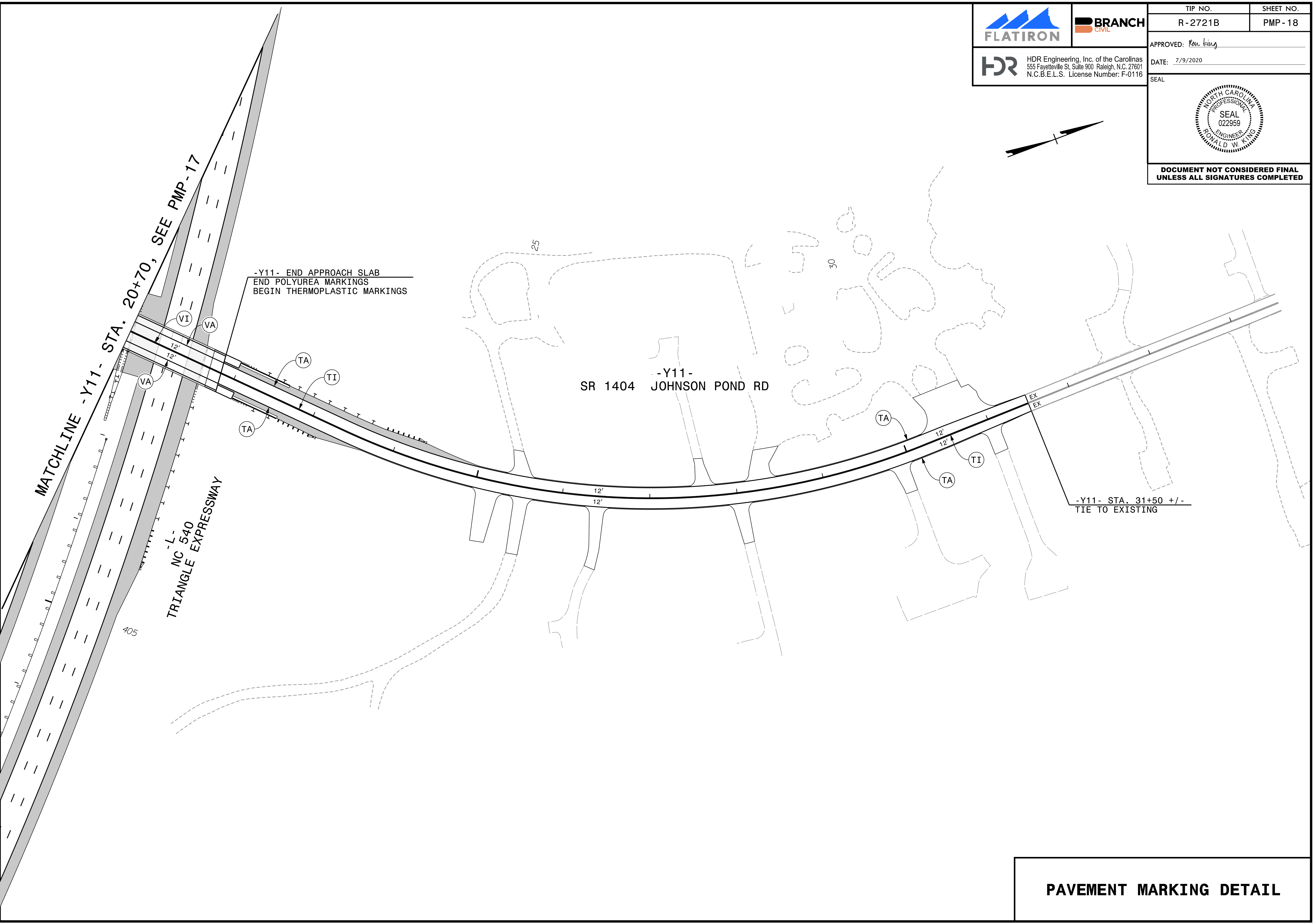
SEAL



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
USER: CHARNDEN  
DATE: 7/9/2020  
FILE: p:\pwhdr\uses01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BITMAP\6.2\_WIP\R-2721B\Traffic\ Pavement\ Marking\R2721B\_PM\_PMP18.dgn



**PAVEMENT MARKING DETAIL**



HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO.	SHEET NO.
R-2721B	PMP-19

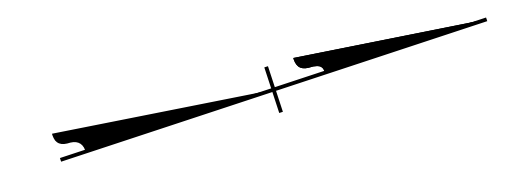
APPROVED: *Ron King*

DATE: 7/9/2020

SEAL



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
USER: CHARNDEN  
FILE: p:\p\h\p\uses01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BIM\6.2\_WIP\R-2721B\Traffic\ Pavement\ Marking\ R2721B\_PM\_PMP19.dgn

20

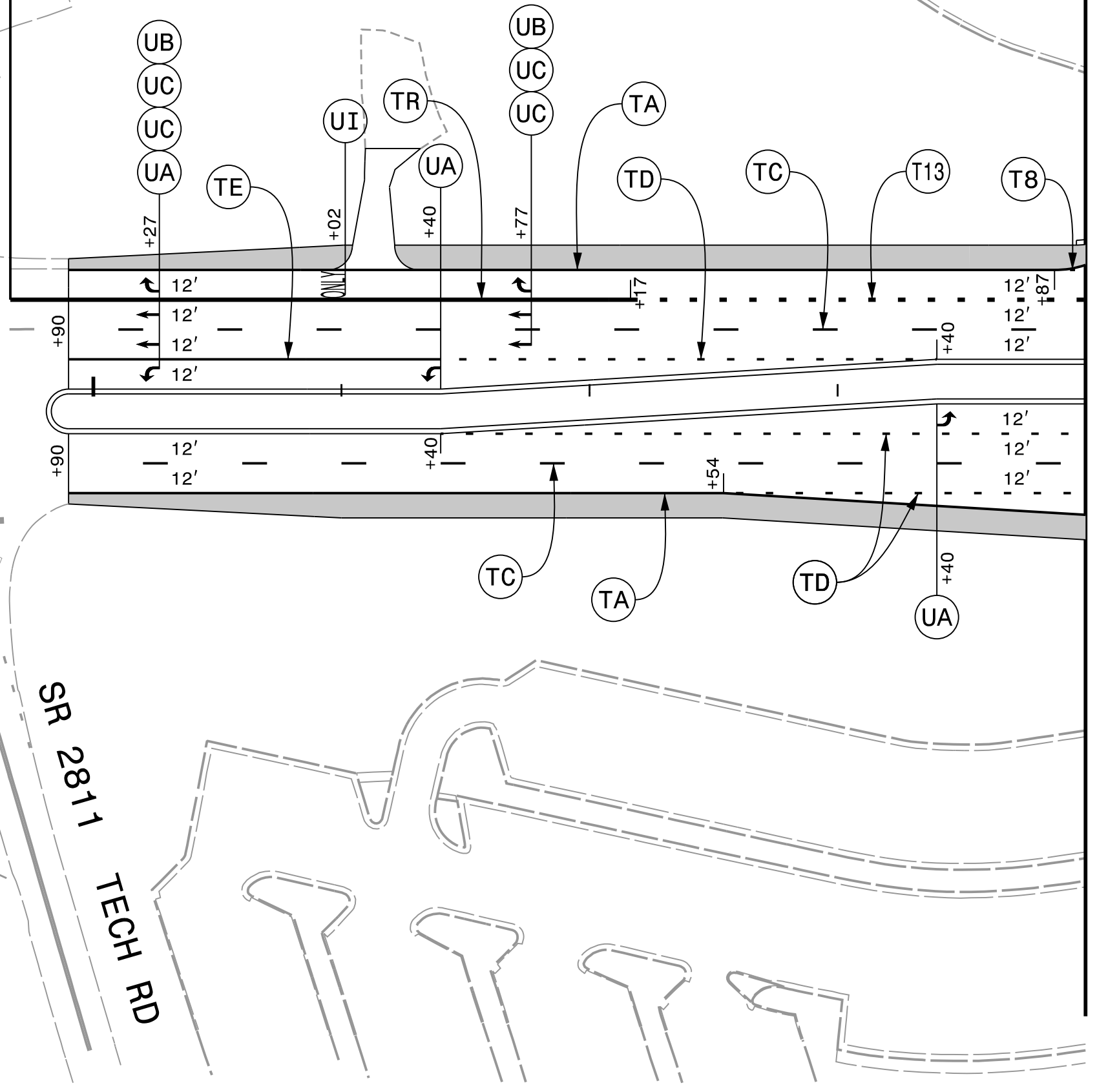
25

30

-Y13-  
US 401 FAYETTEVILLE RD

-Y13- STA. 29+67 +/-  
TIE TO EXISTING

MATCHLINE -Y13- STA. 34+00, SEE PMP-20

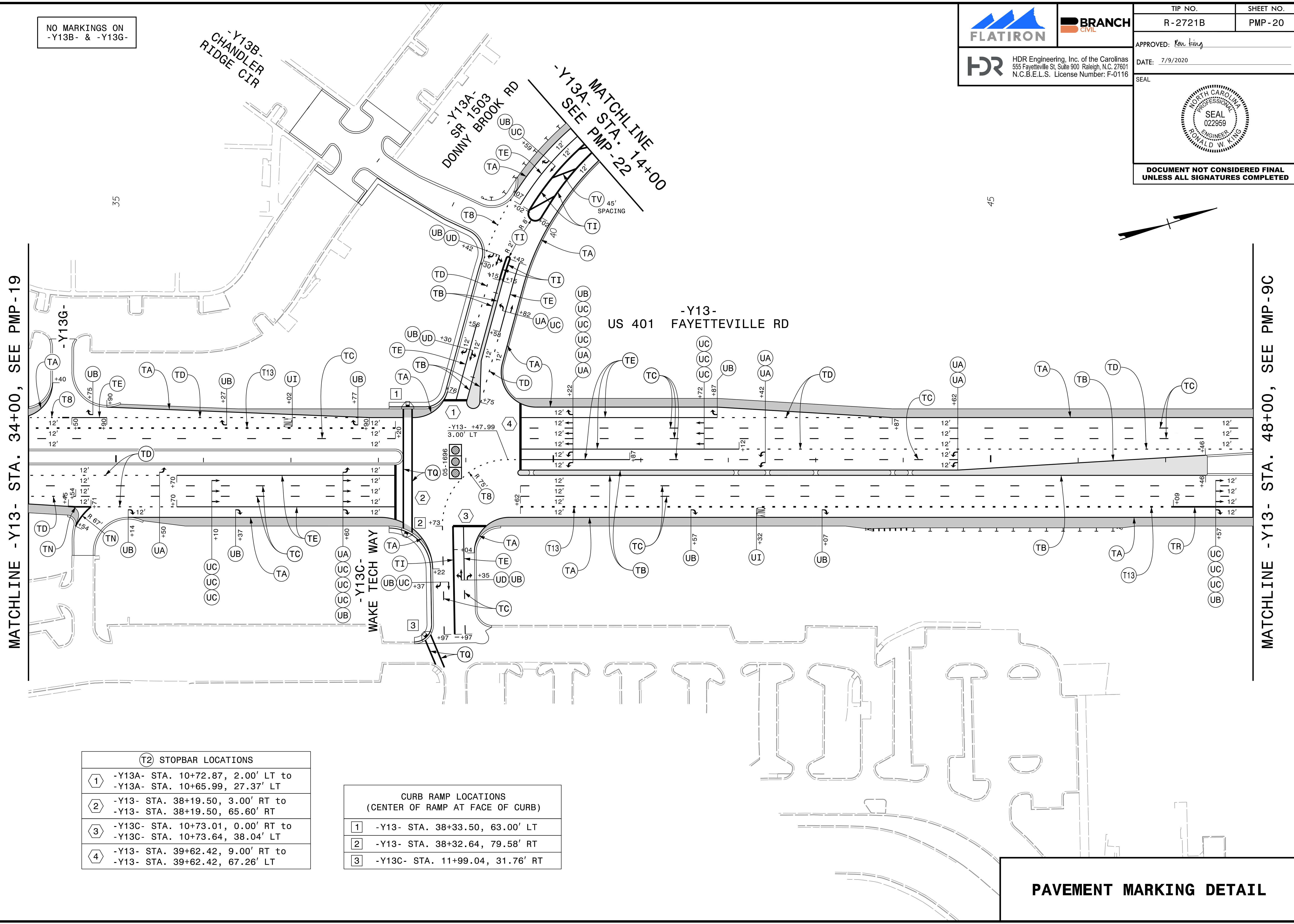


SR 2811  
TECH RD

**PAVEMENT MARKING DETAIL**

		TIP NO.	SHEET NO.
		R-2721B	PMP-20
		APPROVED: <i>Ron King</i> DATE: 7/9/2020	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116		SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

NO MARKINGS ON  
-Y13B- & -Y13G-







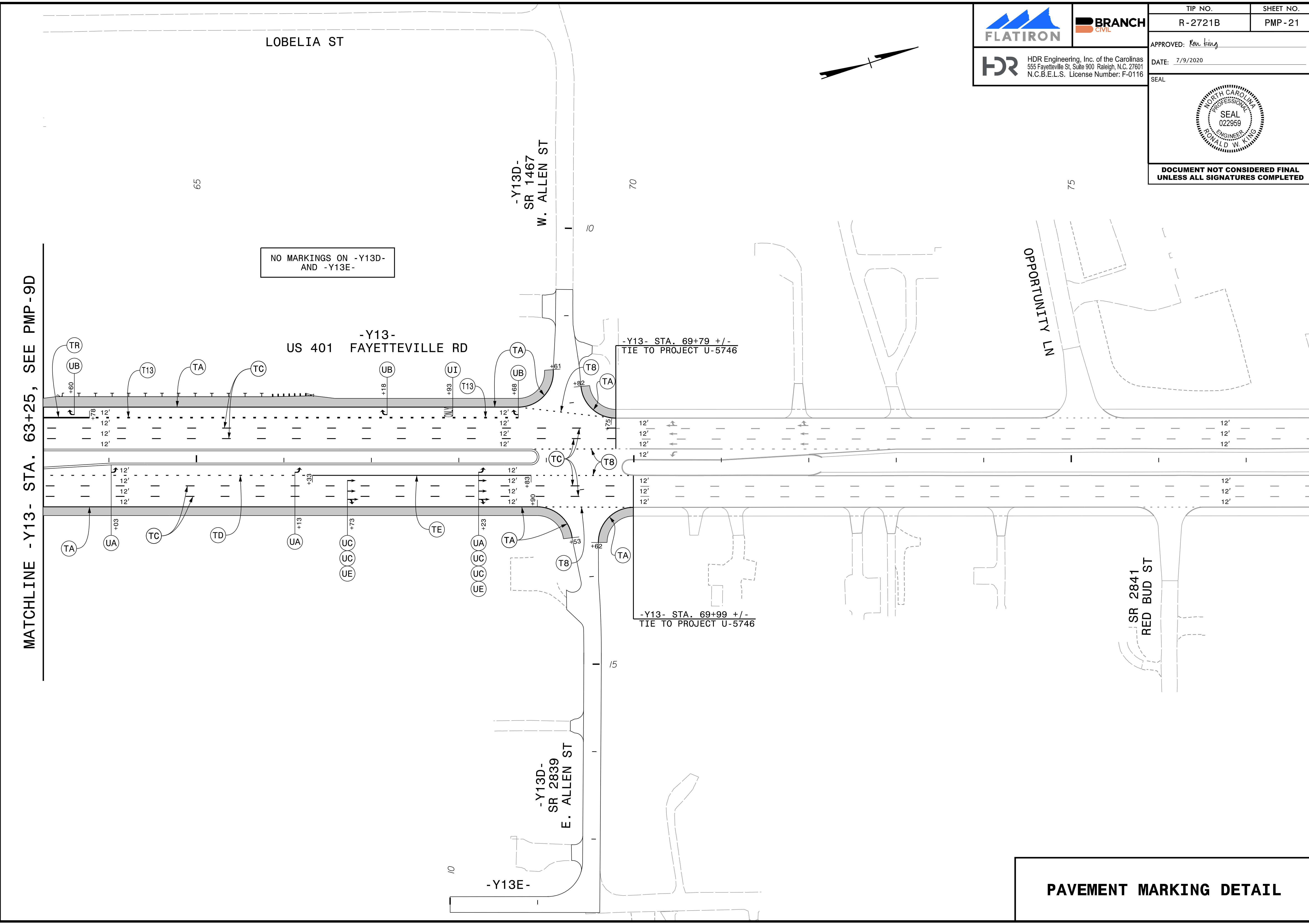
T2 STOPBAR LOCATIONS	
①	-Y13A- STA. 10+72.87, 2.00' LT to -Y13A- STA. 10+65.99, 27.37' LT
②	-Y13- STA. 38+19.50, 3.00' RT to -Y13- STA. 38+19.50, 65.60' RT
③	-Y13C- STA. 10+73.01, 0.00' RT to -Y13C- STA. 10+73.64, 38.04' LT
④	-Y13- STA. 39+62.42, 9.00' RT to -Y13- STA. 39+62.42, 67.26' LT

CURB RAMP LOCATIONS (CENTER OF RAMP AT FACE OF CURB)	
①	-Y13- STA. 38+33.50, 63.00' LT
②	-Y13- STA. 38+32.64, 79.58' RT
③	-Y13C- STA. 11+99.04, 31.76' RT

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\dwg\hdr\users\01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\BITM\6.2\_WIP\R-2721B\_Traffic\_Pavement\_Marking\R2721B\_PM\_PMP20.dgn  
 PENTABLE: NCDOT\_PMP.tbl  
 TIME: 3:16:17 PM  
 DATE: 7/9/2020

**PAVEMENT MARKING DETAIL**

 	TIP NO. R-2721B	SHEET NO. PMP-21
	APPROVED: <i>Ron King</i> DATE: 7/9/2020	
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	SEAL 	
	<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



PLOT DRIVER: NCDOT\_color\_eng\_50.pht  
 USER: CHARNDEN  
 FILE: p:\p\h\p\uses\01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\BIM\6.2\_WIP\R-2721B\_Traffic\_Pavement\_Marking\R2721B\_PM\_PMP21.dgn  
 PENTABLE: NCDOT\_PMP.tbl  
 TIME: 3:16:43 PM  
 DATE: 7/9/2020

**PAVEMENT MARKING DETAIL**



HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO.	SHEET NO.
R - 2721B	PMP - 22

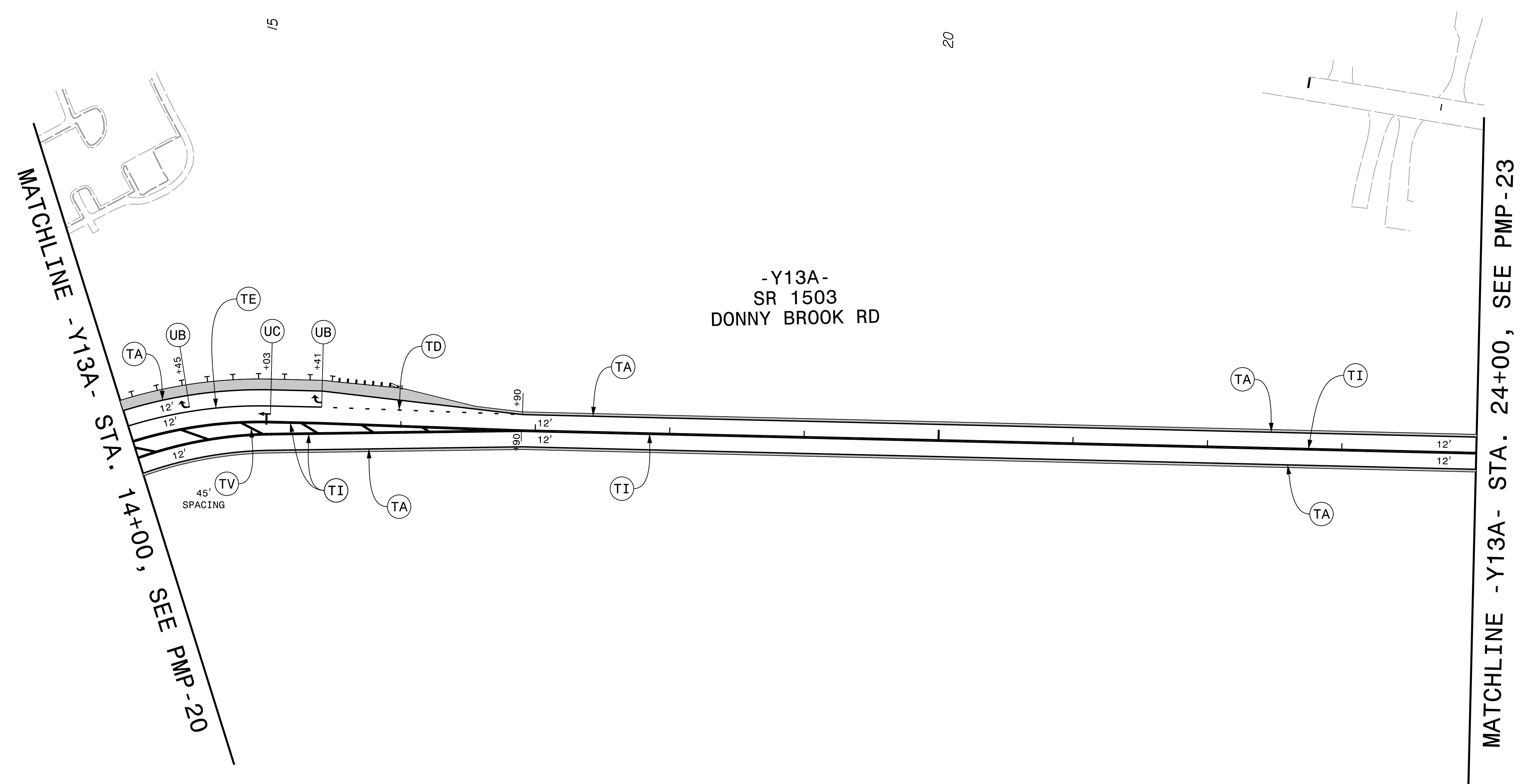
APPROVED: *Ron King*

DATE: 7/9/2020



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PLOT DRIVER: NCDOT\_color\_eng\_50.pht  
PENTABLE: NCDOT\_PMP.tbl  
USER: CHARNDEN  
DATE: 7/9/2020  
TIME: 3:11:12 PM  
FILE: p:\p\p\h\p\uses\01\HDR\_US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BIM\6.2\_WIP\R-2721B\Traffic\Pavement\Marking\R2721B\_PM\_PMP22.dgn



**PAVEMENT MARKING DETAIL**

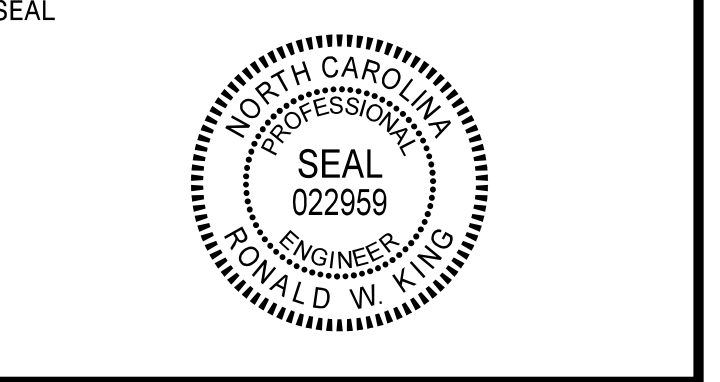


HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO.	SHEET NO.
R - 2721B	PMP - 23

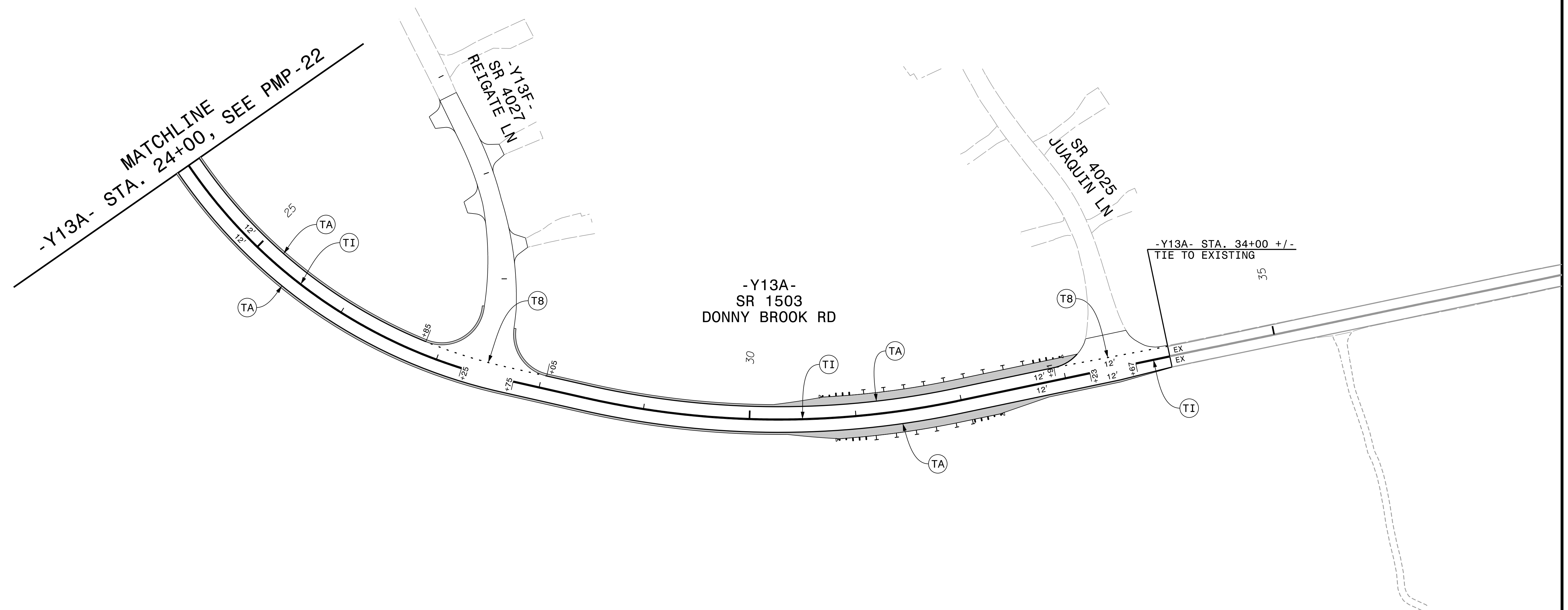
APPROVED: *Ron King*

DATE: 7/9/2020



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

NO MARKINGS ON -Y13F-



**PAVEMENT MARKING DETAIL**

PLOT DRIVER: NCDOT\_color\_eng\_50.plt PENTABLE: NCDOT\_PMP.tbl  
USER: CHARNDEN DATE: 7/9/2020 TIME: 3:17:37 PM  
FILE: p:\pwhdr\users\charnd\US\_East\_01\Documents\Flatiron\_Construction\_Corp.\Flatiron\_R-2721B\_NC-540\_DB\6.0\_CAD\_BIM\6.2\_WIP\R-2721B\_Traffic\_Pavement\_Marking\R2721B\_PM\_PMP23.dgn