
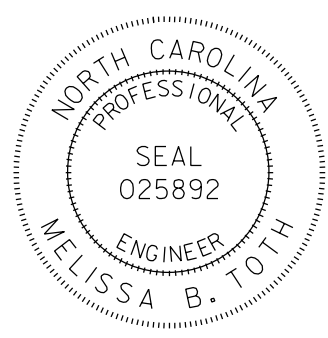


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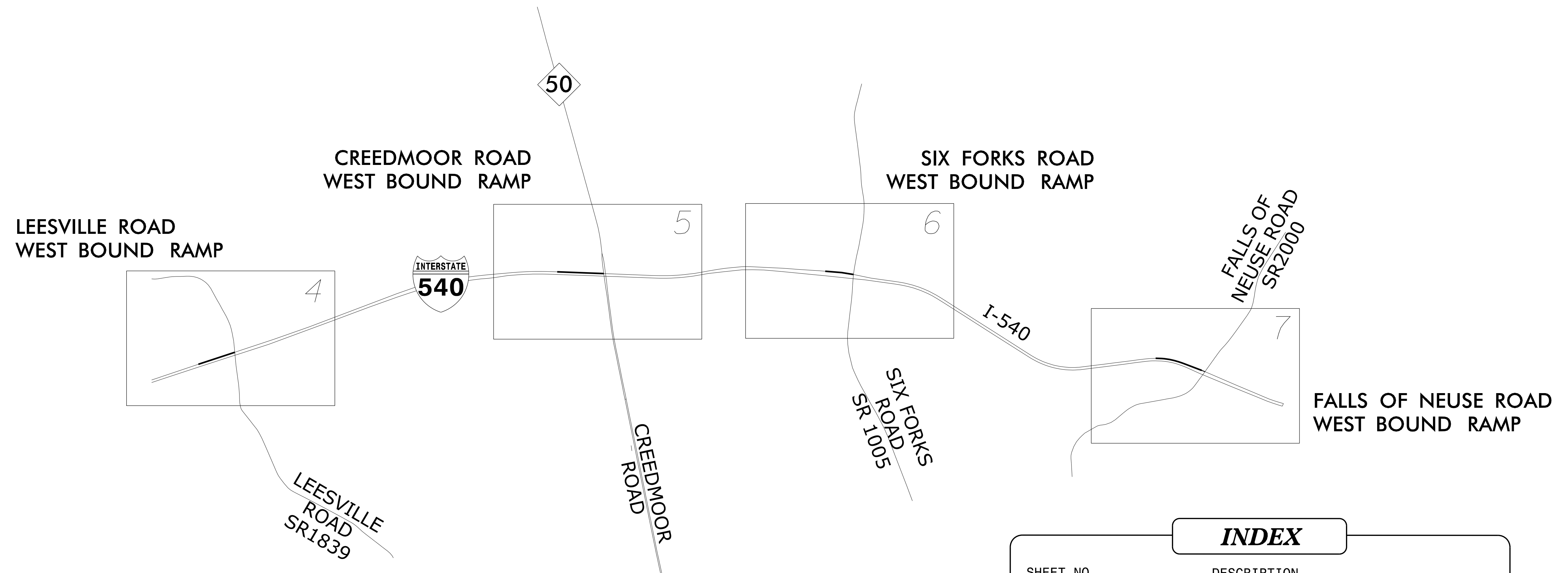
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I-5710	SIGN-1
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DATE: 6/8/2016	
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**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND
SIGNING PLAN
WAKE COUNTY**

**LOCATION: I-540 RAMP METERING ALONG I-540 WESTBOUND AT
SR 1839 (LEESVILLE RD), NC 50 (CREEDMOOR RD),
SR 1005 (SIX FORKS RD) AND SR 2000 (FALLS OF NEUSE RD)**

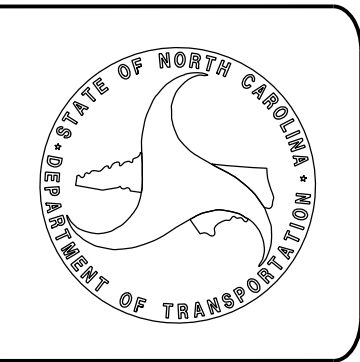


INDEX	
SHEET NO.	DESCRIPTION
SIGN-1	PAVEMENT MARKING AND SIGNING PLAN TITLE AND INDEX
SIGN-2	ROADWAY STANDARD DRAWINGS, NOTES AND QUANTITIES
SIGN-3	TYPE 'E' SIGNS
SIGN-4 - 7	PAVEMENT MARKING AND SIGNING PLAN SHEETS

CONTRACT: T.I.P.: I-5710

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

RENEE ROACH, PE SIGNING & DELINEATION STANDARDS ENGINEER
 _____ SIGNING & DELINEATION PROJECT DESIGN ENGINEER




PLAN PREPARED BY: ATKINS

MELISSA B. TOTH, PE PROJECT ENGINEER
ANTHONY ENCARNACION, EI PROJECT DESIGN ENGINEER

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBES #F-0326

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TIP NO.	SHEET NO.
I - 5710	SIGN - 2
APPROVED: <i>Melissa B. Toth</i> 0980CF8E84D04AF	
DATE: 6/27/2016	
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ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.03	PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMP
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	
T2	WHITE STOPBAR	THERMOPLASTIC (24", 120 MILS)
T6	WHITE EDGELINE	THERMOPLASTIC (6", 90 MILS)
T7	YELLOW EDGELINE	THERMOPLASTIC (6", 90 MILS)
TJ	10 FT. WHITE SKIP	THERMOPLASTIC (6", 120 MILS)
TK	3 FT. - 9 FT. WHITE MINISKIP	THERMOPLASTIC (6", 120 MILS)
TS	WHITE GORE LINE	THERMOPLASTIC (12", 90 MILS)
TT	WHITE SOLID LANE LINE	THERMOPLASTIC (12", 120 MILS)
UP	MERGE ARROW	THERMOPLASTIC (90 MILS)
MB	CRYSTAL & RED	PERMANENT RAISED MARKERS

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
4072000000	SUPPORTS, 3-LB STEEL U-CHANNEL	540	LF
4102000000	SIGN ERECTION, TYPE E	26	EA
4155000000	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	9	EA
4688000000	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	5,949	LF
4690000000	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	1,083	LF
4700000000	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	1,582	LF
4702000000	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	50	LF
4710000000	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	96	LF
4725000000	THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)	6	EA
4875000000	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	1	EA
4900000000	PERMANENT RAISED PAVEMENT MARKERS	98	EA

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.

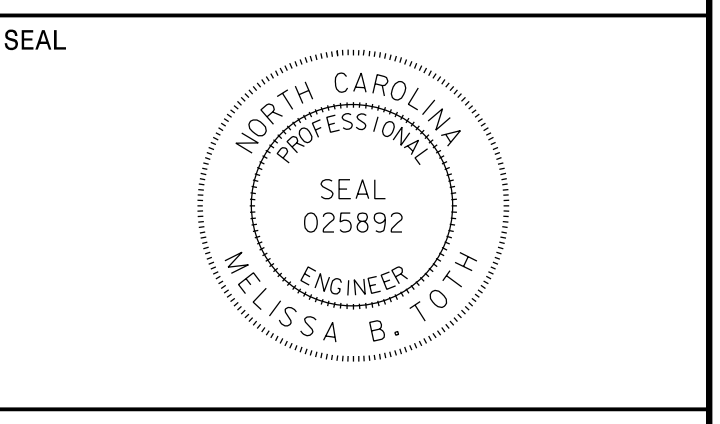
- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
I-540 WESTBOUND RAMP	THERMOPLASTIC	PERMANENT RAISED
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) 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.
- E) SIGNS FURNISHED BY STATE.
- F) CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- G) IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- H) WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- I) ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS OTHERWISE NOTED ON PLANS.
- J) WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- K) THE BACKGROUND FOR TYPE 'E' AND 'F' SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- L) SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.


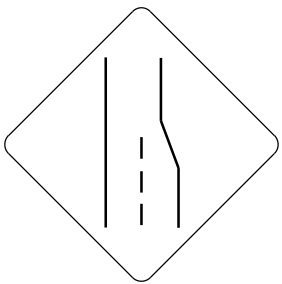
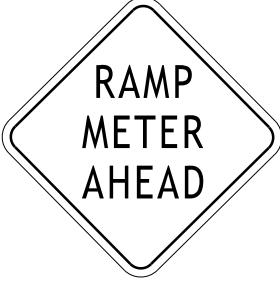


PAY ITEM NOTES

1. DISPOSAL OF SIGN SYSTEM, U CHANNEL
2. SIGN ERECTION, TYPE E

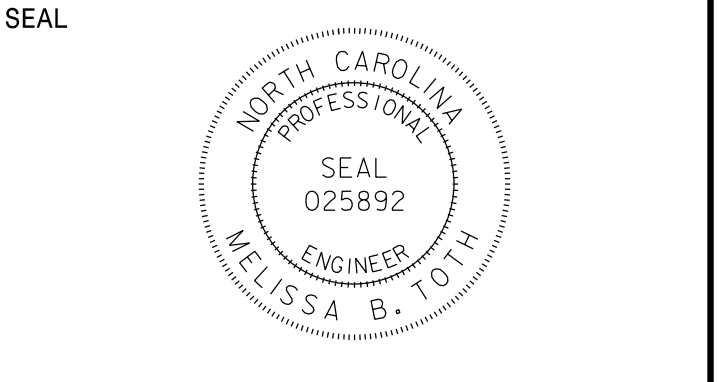
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DocuSigned by:
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 DATE: 6/8/2016



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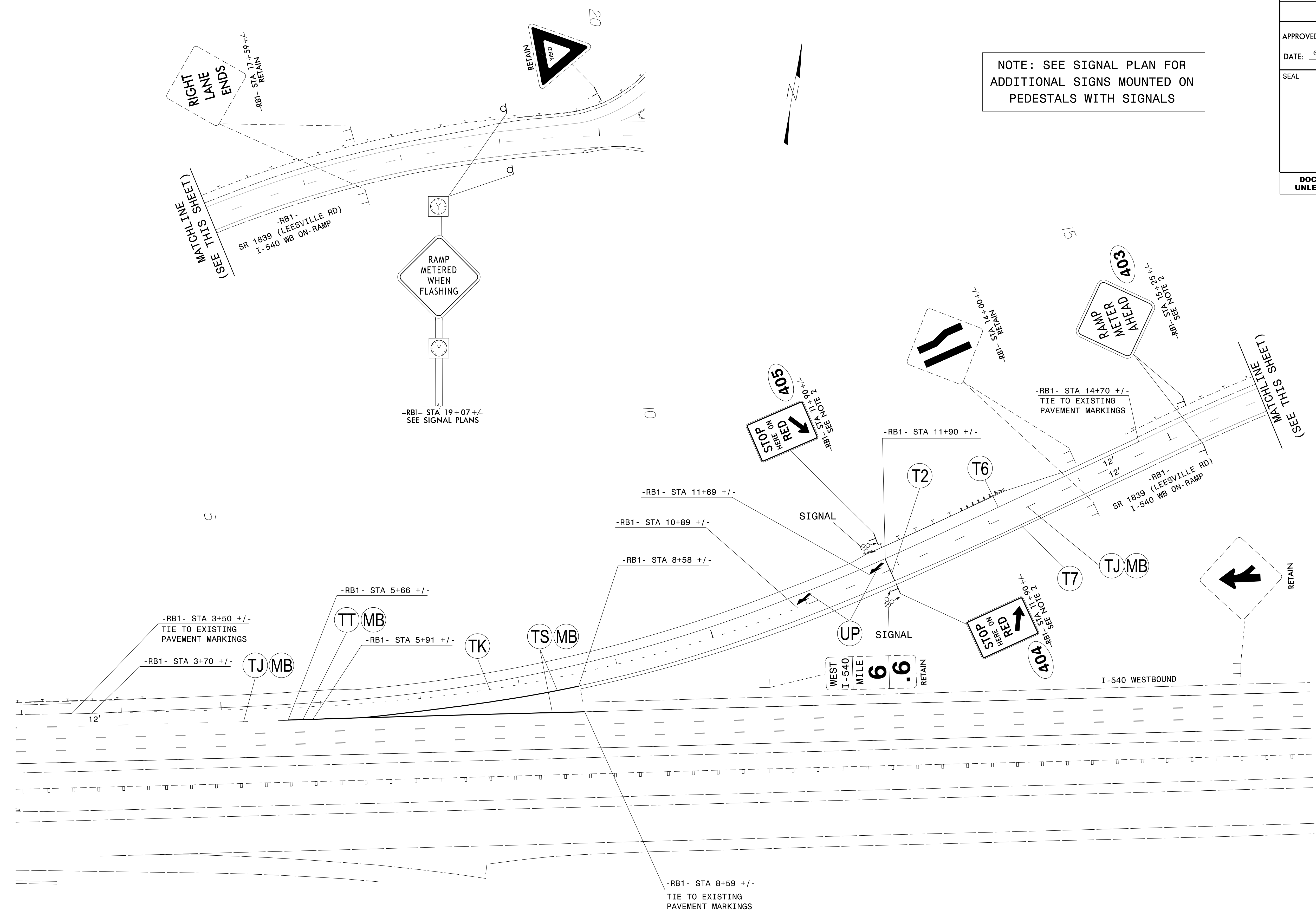
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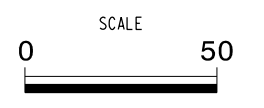
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NOTE: SEE SIGNAL PLAN FOR
ADDITIONAL SIGNS MOUNTED ON
PEDESTALS WITH SIGNALS



PAY ITEM NOTES


1. DISPOSAL OF SIGN SYSTEM, U CHANNEL
2. SIGN ERECTION, TYPE 'E'



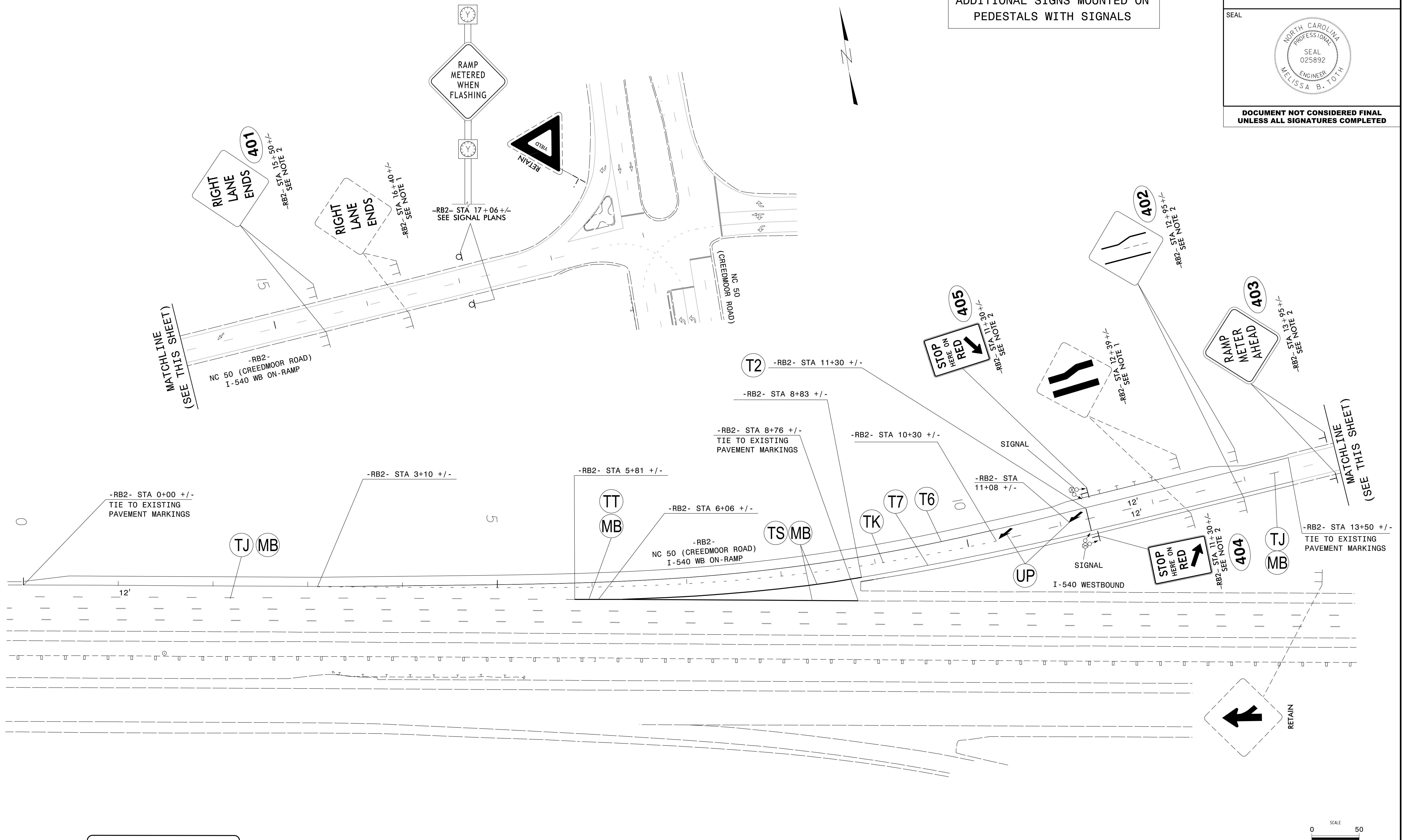
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RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

**PAVEMENT MARKING AND
SIGNING**
I-540 WB ON-RAMP AT
SR 1839 (LEESVILLE RD)

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APPROVED: <i>Melissa B. Toth</i> D86DCFBED4D0A4F	
DATE: 6/8/2016	
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NOTE: SEE SIGNAL PLAN FOR
ADDITIONAL SIGNS MOUNTED ON
PEDESTALS WITH SIGNALS



PAY ITEM NOTES


- DISPOSAL OF SIGN SYSTEM, U CHANNEL
- SIGN ERECTION, TYPE 'E'

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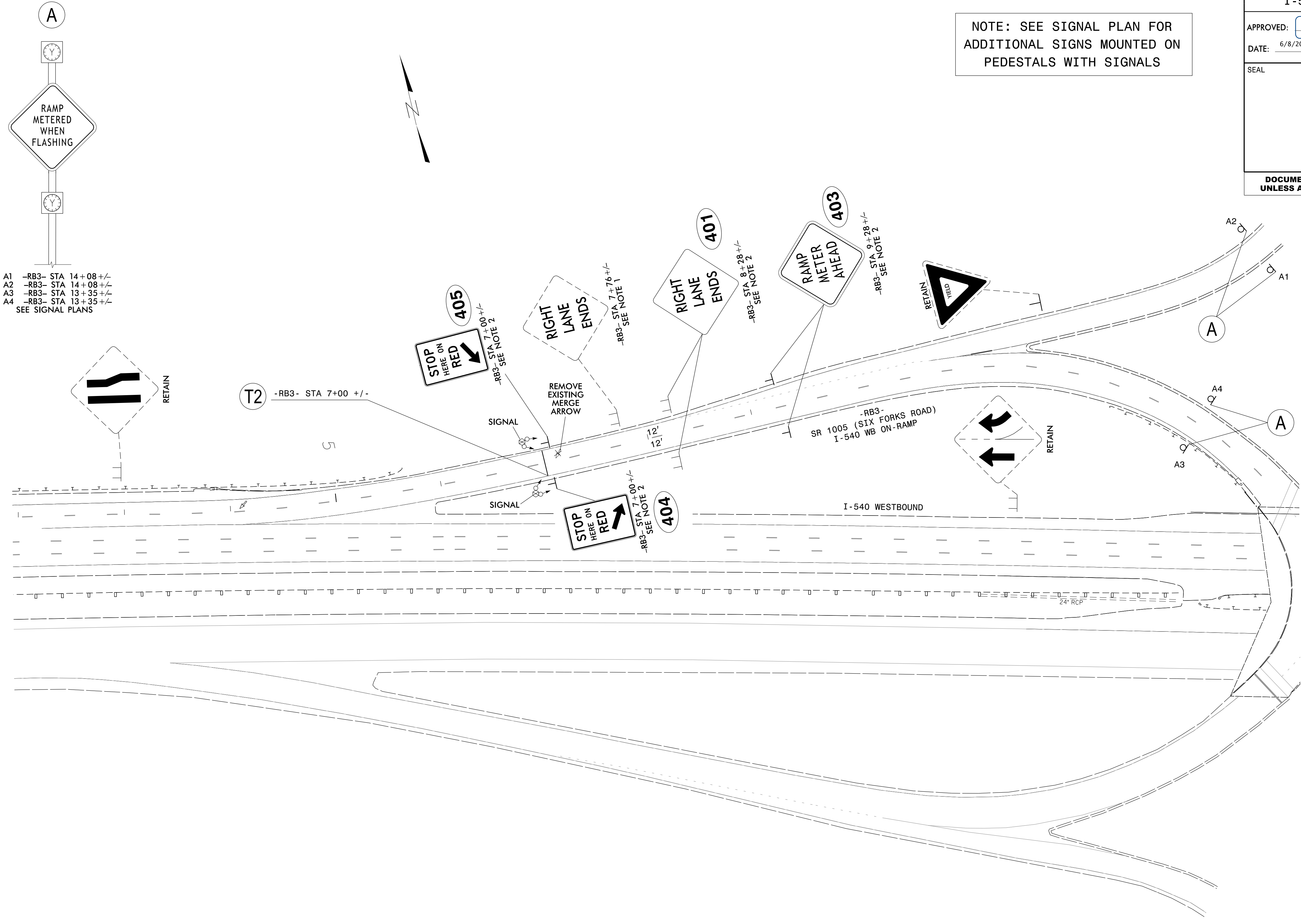
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SIGNING**
I-540 WB ON-RAMP AT
NC 50 (CREEDMOOR RD)



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APPROVED: <i>Melissa B. Toth</i> <small>DBEDCFRE4D94AF</small>	
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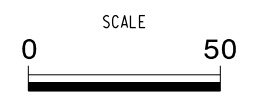
NOTE: SEE SIGNAL PLAN FOR
ADDITIONAL SIGNS MOUNTED ON
PEDESTALS WITH SIGNALS



- A1 -RB3- STA 14+08 +/-
- A2 -RB3- STA 14+08 +/-
- A3 -RB3- STA 13+35 +/-
- A4 -RB3- STA 13+35 +/-
- SEE SIGNAL PLANS

PAY ITEM NOTES

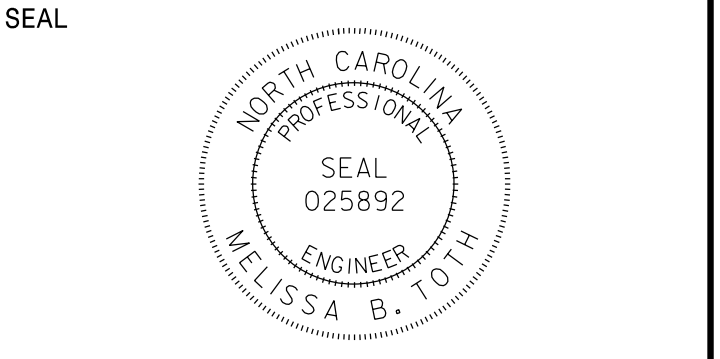
1. DISPOSAL OF SIGN SYSTEM, U CHANNEL
2. SIGN ERECTION, TYPE 'E'



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RALEIGH, NORTH CAROLINA 27609
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**PAVEMENT MARKING AND
SIGNING**
I-540 WB ON-RAMP AT
SR 1005 (SIX FORKS RD)

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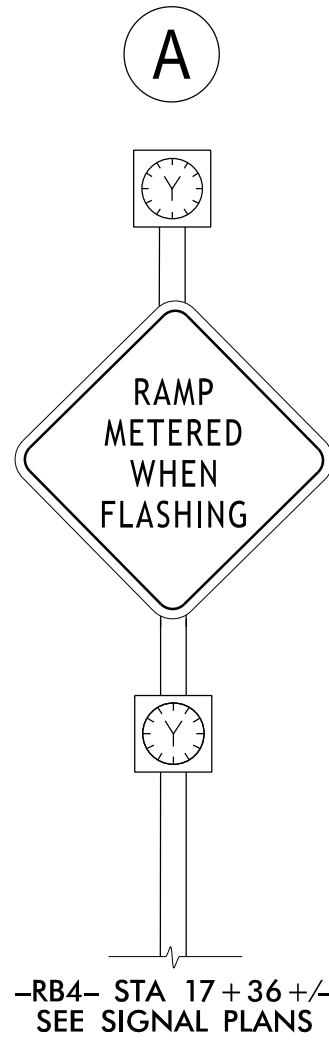


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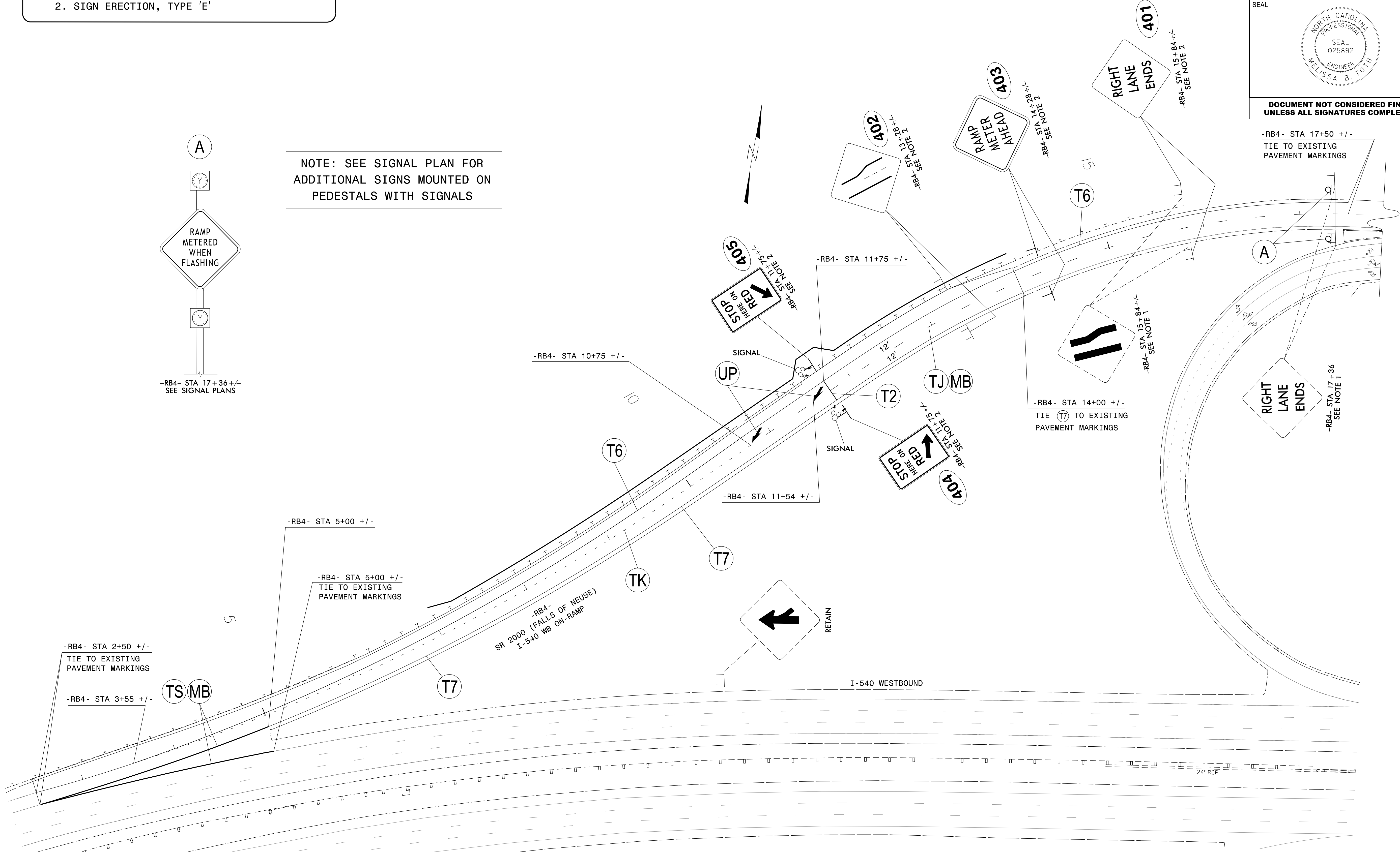
PAY ITEM NOTES

- 1. DISPOSAL OF SIGN SYSTEM, U CHANNEL
- 2. SIGN ERECTION, TYPE 'E'

NOTE: SEE SIGNAL PLAN FOR ADDITIONAL SIGNS MOUNTED ON PEDESTALS WITH SIGNALS



-RB4- STA 17+36 +/-
SEE SIGNAL PLANS



-RB4- STA 17+50 +/-
TIE TO EXISTING PAVEMENT MARKINGS

-RB4- STA 15+84 +/-
SEE NOTE 1

-RB4- STA 14+00 +/-
TIE (T) TO EXISTING PAVEMENT MARKINGS

-RB4- STA 17+36
SEE NOTE 1

-RB4- STA 11+75 +/-

-RB4- STA 11+54 +/-

-RB4- STA 10+75 +/-

-RB4- STA 5+00 +/-

-RB4- STA 5+00 +/-
TIE TO EXISTING PAVEMENT MARKINGS

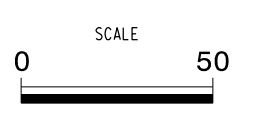
-RB4- STA 2+50 +/-
TIE TO EXISTING PAVEMENT MARKINGS

-RB4- STA 3+55 +/-

-RB4- SR 2000 (FALLS OF NEUSE)
I-540 WB ON-RAMP

I-540 WESTBOUND

24' RCP



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PAVEMENT MARKING AND SIGNING
I-540 WB ON-RAMP AT
SR 2000 (FALLS OF NEUSE RD)

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