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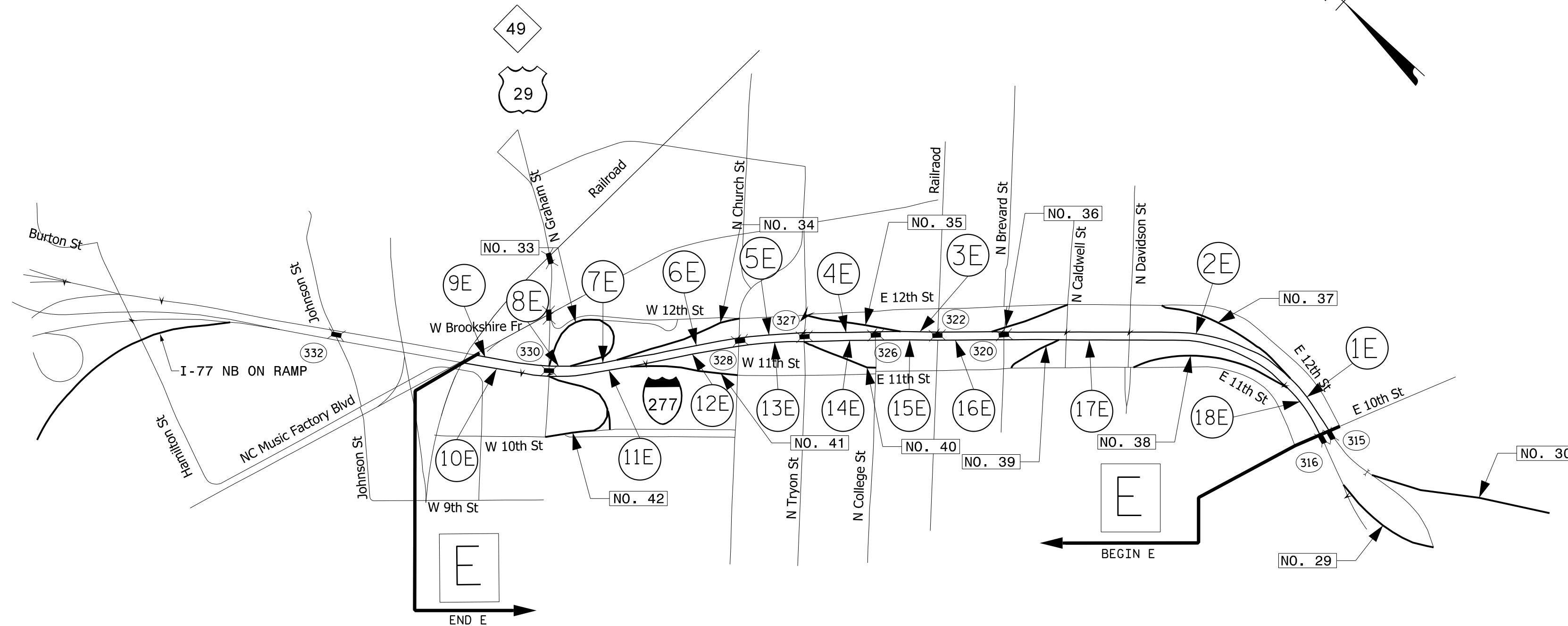
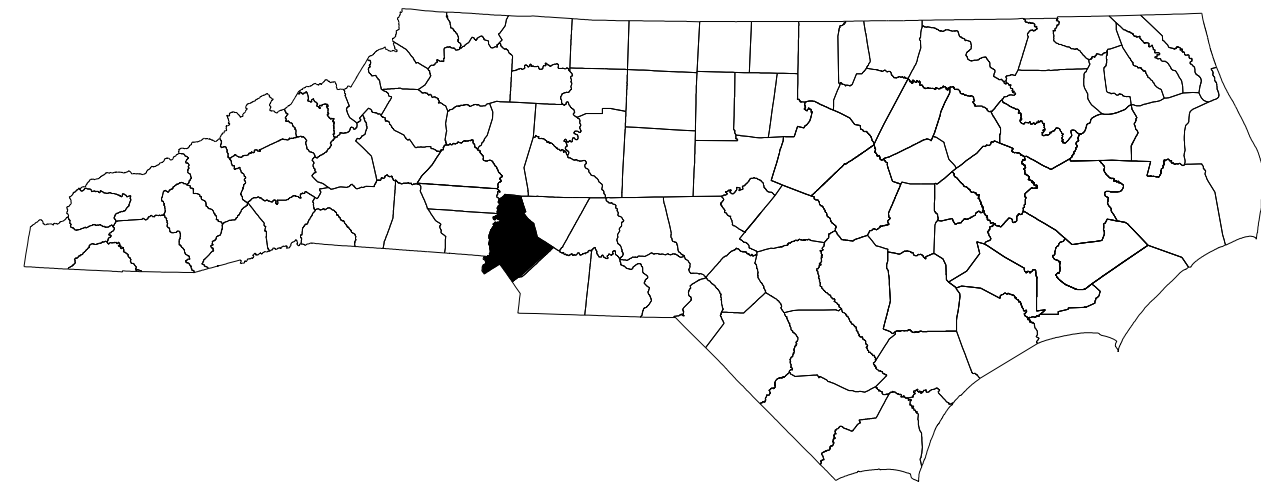
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

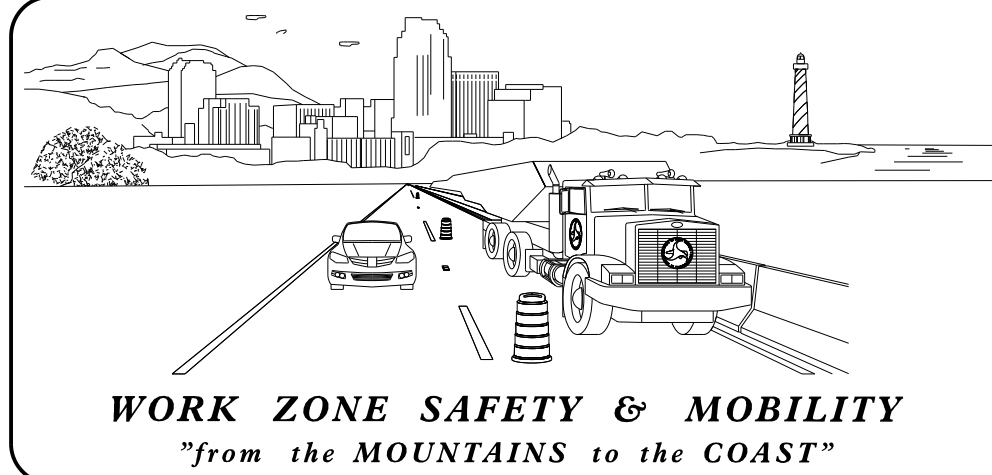
**MECKLENBURG COUNTY**

**DIVISION 10**

**TYPE OF WORK: PAVEMENT PRESERVATION**

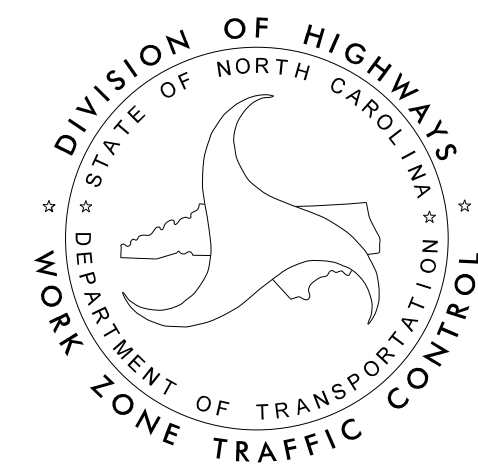


SEE SHEET TMP-3 FOR VICINITY MAP



**N.C.D.O.T. WORK ZONE TRAFFIC CONTROL**  
 1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561  
 750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)  
 PHONE: (919) 773-2800 FAX: (919) 771-2745

JOSEPH E. HUMMER, PE STATE TRAFFIC MANAGEMENT ENGINEER  
 DON A. PARKER, PE TRAFFIC CONTROL PROJECT ENGINEER  
 KARMEN DAIS, PE TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
 \_\_\_\_\_ TRAFFIC CONTROL DESIGN ENGINEER



**INDEX OF SHEETS**

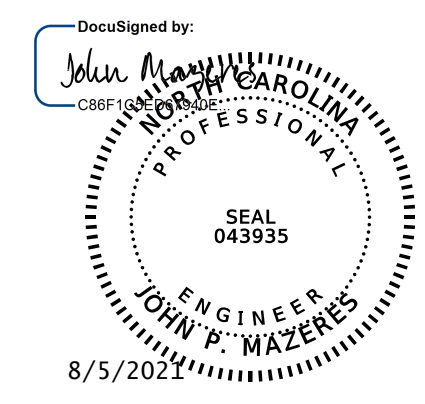
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SHEET NO.  
TMP-1

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Kisinger Campo & Associates Corp.  
301 Fayetteville St., Suite 1500  
Raleigh, NC 27601  
John P. Mazeres, PE No. 043935  
NC Firm License No: C-1506



**TIP PROJECT: I-5746C**

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# 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
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS 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
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

# LEGEND

## GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMP. SHORING (LOCATION PURPOSES ONLY)

WORK AREA

REMOVAL

USER DEFINED (IF NEEDED)

USER DEFINED (IF NEEDED)

## SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

## PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

## TEMPORARY PAVEMENT MARKINGS

- P6 - 6" WHITE PAINT EDGELINE
- P7 - 6" YELLOW PAINT EDGELINE
- PL - 6" WHITE PAINT SOLID LANE LINE
- PK - 6" WHITE PAINT MINISKIP
- C6 - 6" WHITE PLASTIC EDGELINE
- C7 - 6" YELLOW PLASTIC SOLID LANE LINE
- CL - 6" WHITE PLASTIC SOLID LANE LINE
- CK - 6" WHITE PLASITC MINISKIP
- PR - 8" WHITE SOLID LANE LINE

## TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM
- SKINNY DRUM
- TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

## TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

## PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

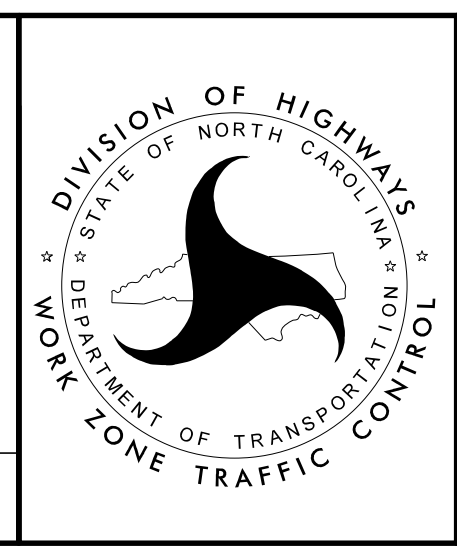
## PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

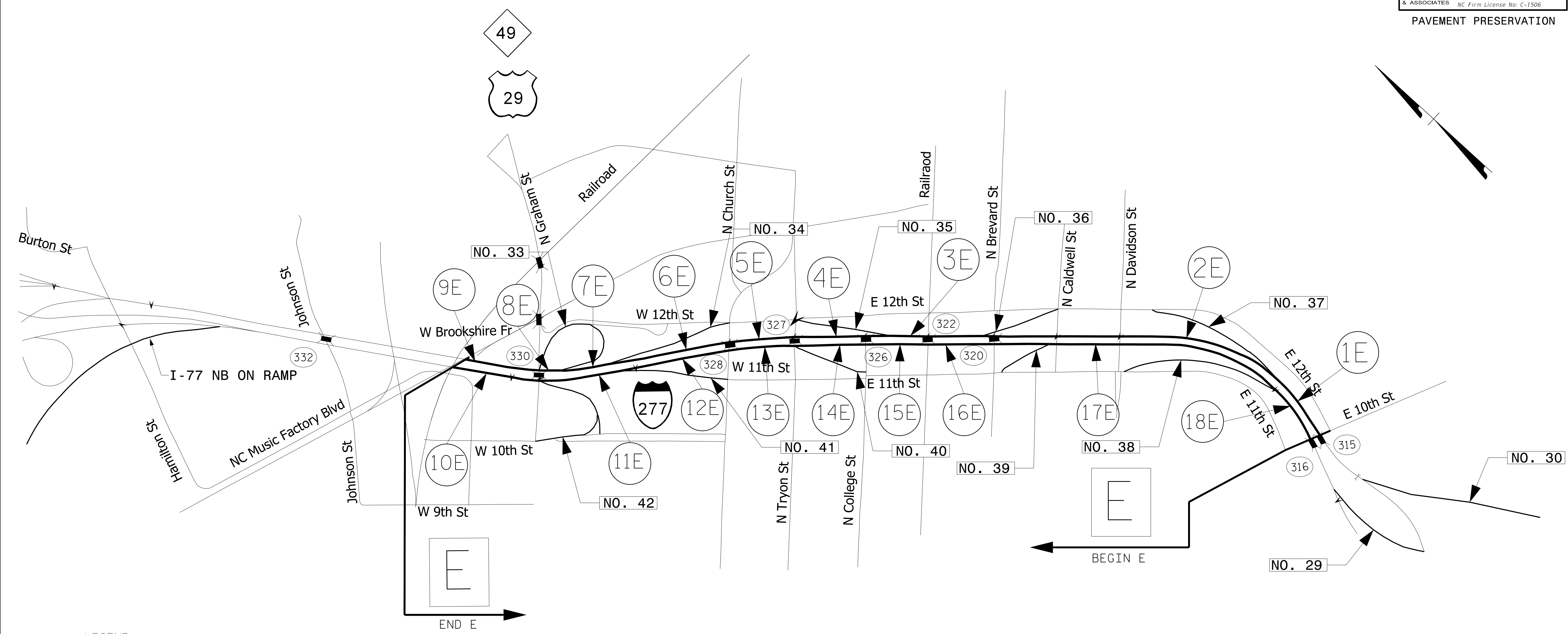
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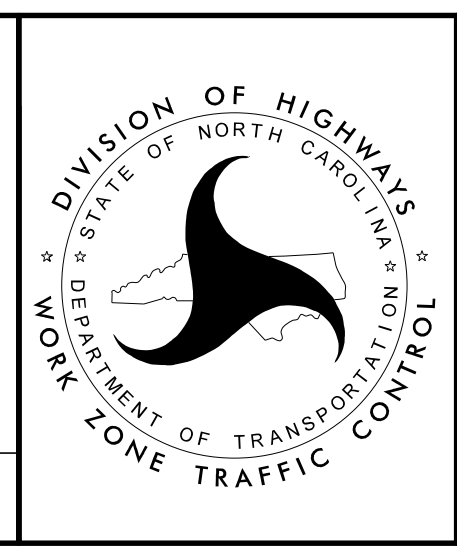
**ROADWAY STANDARD  
DRAWINGS & LEGEND**



- LEGEND:
- PAVEMENT REPAIR SECTIONS
  - BRIDGE Nos.
  - BRIDGE LOCATIONS
  - RAMPS
  - PROJECT SEGMENTS

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DocuSigned by:  
*John P. Mazeres*  
SEAL  
043935  
ENGINEER  
JOHN P. MAZERES  
8/5/2021



**PAVEMENT PRESERVATION SEGMENT E**

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Kisinger Campo & Associates Corp. 301 Fayetteville St., Suite 1500 Raleigh, NC 27601 John P. Mazeres, PE No. 043935 NC Firm License No. C-1506	

PAVEMENT PRESERVATION

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TMP-2	ROADWAY STANDARD DRAWINGS & LEGEND	TMP-36	LANE CLOSURE DETAIL: SECTION 7E & 8E NORTHBOUND (STEP 2 OF 2)
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TMP-5	GENERAL NOTES	TMP-39	LANE CLOSURE DETAIL: SECTION 10E SOUTHBOUND (STEP 1 OF 2)
TMP-6A	PHASING NOTES 1 OF 3	TMP-40	LANE CLOSURE DETAIL: SECTION 10E SOUTHBOUND (STEP 2 OF 2)
TMP-6B	PHASING NOTES 2 OF 3	TMP-41	LANE CLOSURE DETAIL: SECTION 11E SOUTHBOUND (STEP 1 OF 2)
TMP-6C	PHASING NOTES 3 OF 3	TMP-42	LANE CLOSURE DETAIL: SECTION 11E SOUTHBOUND (STEP 2 OF 2)
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TMP-8	OFFSITE DETOUR 33 SIGNING AND ROAD CLOSURE SIGNING	TMP-44	LANE CLOSURE DETAIL: SECTION 12E SOUTHBOUND (STEP 2 OF 2) (1 OF 2)
TMP-9	OFFSITE DETOUR 34A SIGNING AND ROAD CLOSURE SIGNING	TMP-45	LANE CLOSURE DETAIL: SECTION 12E SOUTHBOUND (STEP 2 OF 2) (2 OF 2)
TMP-10	OFFSITE DETOUR 34B SIGNING AND ROAD CLOSURE SIGNING	TMP-46	LANE CLOSURE DETAIL: SECTION 13E SOUTHBOUND (STEP 1 OF 2)
TMP-11	OFFSITE DETOUR 35 SIGNING AND ROAD CLOSURE SIGNING	TMP-47	LANE CLOSURE DETAIL: SECTION 13E SOUTHBOUND (STEP 2 OF 2) (1 OF 2)
TMP-12	OFFSITE DETOUR 36 SIGNING AND ROAD CLOSURE SIGNING	TMP-48	LANE CLOSURE DETAIL: SECTION 13E SOUTHBOUND (STEP 2 OF 2) (2 OF 2)
TMP-13	OFFSITE DETOUR 37 SIGNING AND ROAD CLOSURE SIGNING	TMP-49	LANE CLOSURE DETAIL: SECTION 14E SOUTHBOUND (STEP 1 OF 2)
TMP-14	OFFSITE DETOUR 38 SIGNING AND ROAD CLOSURE SIGNING	TMP-50	LANE CLOSURE DETAIL: SECTION 14E SOUTHBOUND (STEP 2 OF 2)
TMP-15	OFFSITE DETOUR 39 SIGNING AND ROAD CLOSURE SIGNING	TMP-51	LANE CLOSURE DETAIL: SECTION 15E SOUTHBOUND (STEP 1 OF 2)
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TMP-22	LANE CLOSURE DETAIL: SECTION 1E NORTHBOUND (STEP 2 OF 2)	TMP-58	LANE CLOSURE DETAIL: SECTION 17E SOUTHBOUND (STEP 2 OF 2) (2 OF 2)
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# GENERAL NOTES /LOCAL NOTES

PROJ. REFERENCE NO. <b>I-5746C</b>	SHEET NO. <b>TMP-5</b>
<b>KCA</b> <small>Kisinger Campo &amp; Associates Corp. 301 Fayetteville St., Suite 1500 Raleigh, NC 27601 John P. Mazeres, PE No. 043935 NC Firm License No. C-1506</small>	

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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.

**TIME RESTRICTIONS**

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-277, I-77, I-77 HOT LANES, AND I-77 RAMPS (SINGLE LANE), MONDAY TO FRIDAY	6:00 A.M. TO 9:00 P.M.
I-277, I-77, I-77 HOT LANES, AND I-77 RAMPS (SINGLE LANE), SATURDAY AND SUNDAY	9:00 A.M. TO 6:00 P.M.
I-277, I-77, I-77 HOT LANES, AND I-77 RAMPS (DOUBLE LANE), MONDAY TO FRIDAY	6:00 A.M. TO 11:00 P.M.
I-277, I-77, I-77 HOT LANES, AND I-77 RAMPS (DOUBLE LANE), SATURDAY AND SUNDAY	9:00 A.M. TO 9:00 P.M.

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME: I-277, I-77, I-77 HOT LANES, AND I-77 RAMPS HOLIDAY

1. FOR ANY OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

FOR ANY GAMES OCCURRING IN CHARLOTTE AND GAMES AT BOBCAT ARENA BETWEEN THREE HOURS BEFORE THE START AND THREE HOURS AFTER THE END OF THE ANY PANTHERS/BOBCATS GAMES.

9. FOR CAROLINA PANTHER GAMES OCCURRING AT BANK OF AMERICA STADIUM BETWEEN THREE HOURS BEFORE THE START AND TWO HOURS AFTER THE END OF THE FOOTBALL GAME.
10. FOR CHARLOTTE HORNETS GAMES OCCURRING AT THE SPECTRUM CENTER BETWEEN TWO HOURS BEFORE THE START AND TWO HOURS AFTER THE END OF THE BASKETBALL GAME.
11. FOR CHARLOTTE KIGHTS GAMES OCCURRING AT THE BB&T BALLPARK BETWEEN ONE HOUR BEFORE THE START AND ONE HOUR AFTER THE END OF THE BASEBALL GAME.
12. CITY OF CHARLOTTE SPECIAL EVENTS: THE EVENTS INCLUDED HEREIN ARE ONLY THOSE WHICH WERE AVAILABLE AT TIME OF PLANS DEVELOPMENT THAT WERE ANTICIPATED TO CONFLICT WITH PROPOSED CLOSURES AND DETOURS. COORDINATE WITH CURRENT CITY OF CHARLOTTE EVENTS CALENDAR VIA THE ENGINEER AND JIMMY RHYNE, PE, CHARLOTTE DOT, 704-336-3905, JRHYNE@CHARLOTTENC.GOV. NOTIFY AND UPDATE CITY ON A WEEKLY BASIS AND A MINIMUM OF TWO WEEKS IN ADVANCE OF PROPOSED SIDEWALK/ ROAD CLOSURES AND DETOURS TO ENSURE THERE ARE NO CONFLICTS WITH CITY EVENTS.

- EVENT
- CORPORATE CUP 5K & HALF MARATHON
  - CHARLOTTE GOES GREEN FESTIVAL
  - CHARLOTTE ST. PATRICK'S DAY PARADE
  - CHARLOTTE RACEFEST
  - CHARLOTTE JAZZ FESTIVAL
  - RODNEY GREAT KIDS TRIATHLON
  - OPEN STREETS 704
  - TWILIGHT 5K
  - SPEED STREET
  - TASTE OF CHARLOTTE
  - CHARLOTTE KIDNEY WALK
  - FAMOUS TOASTERY AMERICAN 4-MILER
  - QUEEN CITY FIREFIGHTER FEST
  - BTEP 3-ON-3 TOURNAMENT
  - CHARLOTTE PRIDE FESTIVAL & PARADE
  - EUCHARISTIC CONGRESS PROCESSION
  - BREAKIN' CONVENTION
  - ROCKTOBERFEST HALF MARATHON AND 5K
  - NOVANT CHARLOTTE MARATHON

C) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

**LANE AND SHOULDER CLOSURE REQUIREMENTS**

- D) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
  - E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
  - F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
  - H) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
  - I) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON I-277.

**PAVEMENT EDGE DROP OFF REQUIREMENTS**

K) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

**TRAFFIC PATTERN ALTERATIONS**

L) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

**SIGNING**

- M) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- N) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRANSPORTATION MANAGEMENT PLANS.  
  
PROVIDE SIGNING REQUIRED FOR THE OFF- SITE DETOUR ROUTE AS SHOWN IN THE TRANSPORTATION MANAGEMENT PLANS.
- O) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.  
  
COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF- SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- P) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

**TRAFFIC CONTROL DEVICES**

- Q) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- R) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- S) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

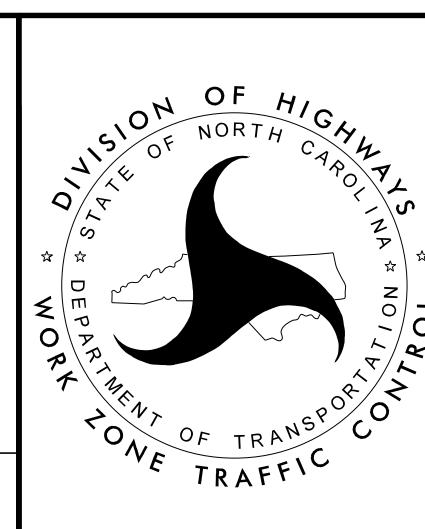
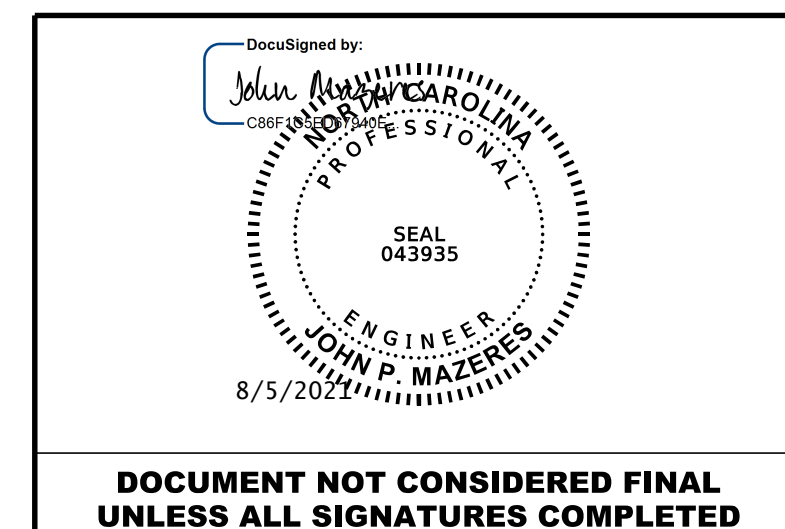
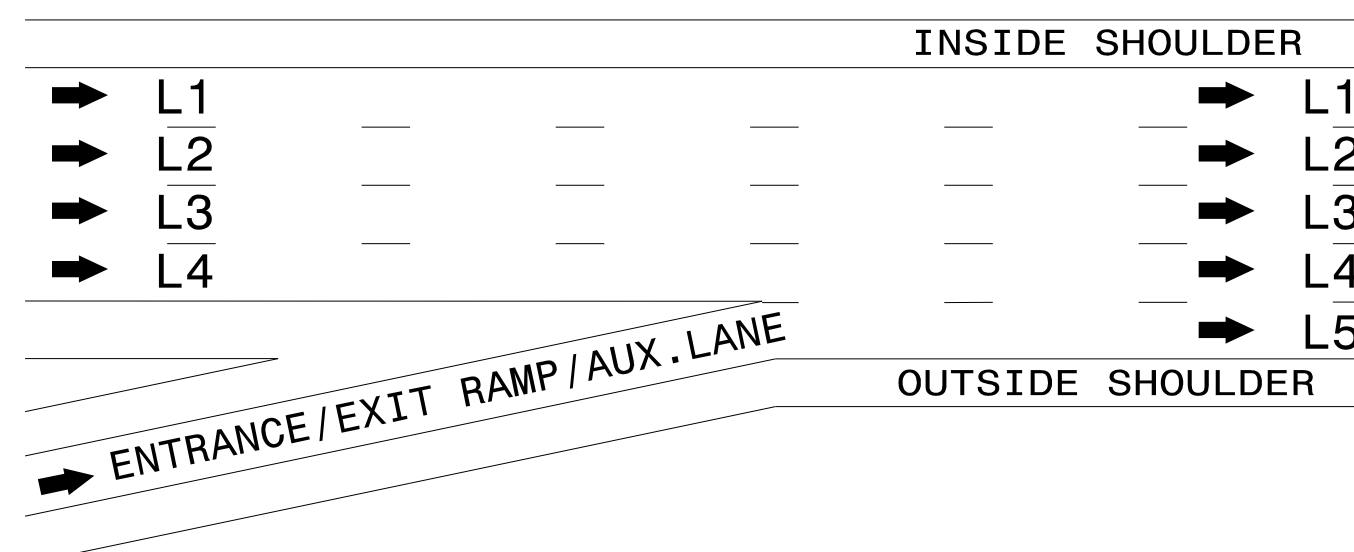
**PAVEMENT MARKINGS AND MARKERS**

- T) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- U) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

**MISCELLANEOUS**

- V) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- W) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).
- X) IF PEDESTRIAN FACILITIES ARE PRESENT ON A STREET WITH PROPOSED SIDEWALK CLOSURE(S), A MINIMUM OF ONE TEMPORARY PEDESTRIAN FACILITY MUST BE MAINTAINED DURING THE CLOSURE(S).

TYPICAL NB/SB LANE CONFIGURATION



GENERAL NOTES

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

8/5/2021 2:00:51 PM User: jduke

# PHASING NOTES

PROJ. REFERENCE NO. <b>I-5746C</b>	SHEET NO. <b>TMP-6A</b>
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## PAVEMENT PRESERVATION

**PHASING**

USE NCDOT RSD 1101.01 SHEETS 1 THRU 3 OF 3 TO INSTALL WORK ZONE ADVANCED WARNING SIGNS. CONTRACTOR MAY WORK ON MULTIPLE LOCATIONS SIMULTANEOUSLY IF APPROVED BY THE ENGINEER.

**LOCATION: 1E NORTHBOUND**

**STEP 1:** USE TMP-21 AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 NB AND L1 OF RAMP #30 DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACE WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 2:** USE TMP-22, TMP-7 FOR OFFSITE DETOUR 30, TMP-13 FOR OFFSITE DETOUR 37, AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 NB, RAMP #30 AND RAMP #37 DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG I-277 NB, I-277 SB, US 74 WB, US 74 EB, E. 6TH ST., N. CALDWELL ST., I-277 NB ENTRANCE RAMP, I-277 NB EXIT 3B, E. 12TH ST., N. CHURCH ST., E.11TH ST. AND N. DAVIDSON ST. THIS OPERATION WILL CLOSE RAMP #30 AND RAMP #37. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 3:** REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

**LOCATION: 2E NORTHBOUND**

**STEP 1:** USE TMP-23 AND TMP-24, TMP-7 FOR OFFSITE DETOUR 30, TMP-13 FOR OFFSITE DETOUR 37, AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 NB, RAMP #30 AND RAMP #37 DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG I-277 NB, I-277 SB, US 74 WB, US 74 EB, E. 6TH ST., N. CALDWELL ST., I-277 NB ENTRANCE RAMP, I-277 NB EXIT 3B, E. 12TH ST., N. CHURCH ST., E.11TH ST. AND N. DAVIDSON ST. THIS OPERATION WILL CLOSE RAMP #30 AND RAMP #37. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 2:** USE TMP-25 AND TMP-26, TMP-7 FOR OFFSITE DETOUR 30, TMP-13 FOR OFFSITE DETOUR 37, AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 NB, RAMP #30 AND RAMP #37 DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG I-277 NB, I-277 SB, US 74 WB, US 74 EB, E. 6TH ST., N. CALDWELL ST., I-277 NB ENTRANCE RAMP, I-277 NB EXIT 3B, E. 12TH ST., N. CHURCH ST., E.11TH ST. AND N. DAVIDSON ST. THIS OPERATION WILL CLOSE RAMP #30 AND RAMP #37. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 3:** REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

**LOCATION: 3E NORTHBOUND**

**STEP 1:** USE TMP-27, TMP-12 FOR OFFSITE DETOUR 36 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 NB AND RAMP #36 DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG E.12TH STREET AND I-277 NB ENTRANCE RAMP. THIS OPERATION WILL CLOSE RAMP #36. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 2:** USE TMP-28, TMP-11 FOR OFFSITE DETOUR 35, TMP-12 FOR OFFSITE DETOUR 36, AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 NB, RAMP #35 AND RAMP #36 DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG US 74 EB, I-277 NB EXIT 2A, E. 4TH ST./NC16, N. CHURCH ST., US29/GRAHAM ST., AND US74 WB, E. 12TH ST. AND I-277 NB ENTRANCE RAMP. THIS OPERATION WILL CLOSE RAMP #35 AND RAMP #36. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 3:** REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

**LOCATION: 4E NORTHBOUND**

**STEP 1:** USE TMP-29, TMP-12 FOR OFFSITE DETOUR 36 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 NB AND RAMP #36 DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG E. 12TH STREET AND I-277 NB ENTRANCE RAMP. THIS OPERATION WILL CLOSE RAMP #36. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 2:** USE TMP-30, TMP-11 FOR OFFSITE DETOUR 35, TMP-12 FOR OFFSITE DETOUR 36, AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 NB, RAMP #35 AND RAMP #36 DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG US 74 EB, I-277 NB EXIT 2A, E. 4TH ST./NC16, N. CHURCH ST., US29/GRAHAM ST., AND US74 WB, E. 12TH ST. AND I-277 NB ENTRANCE RAMP. THIS OPERATION WILL CLOSE RAMP #35 AND RAMP #36. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 3:** REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

**LOCATION: 5E NORTHBOUND**

**STEP 1:** USE TMP-31 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 NB. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 2:** USE TMP-32, TMP-11 FOR OFFSITE DETOUR 35, TMP-12 FOR OFFSITE DETOUR 36, AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 NB, RAMP #35 AND RAMP #36 DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG US 74 EB, I-277 NB EXIT 2A, E. 4TH ST./NC16, N. CHURCH ST., US29/GRAHAM ST., AND US74 WB, E. 12TH ST. AND I-277 NB ENTRANCE RAMP. THIS OPERATION WILL CLOSE RAMP #35 AND RAMP #36. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 3:** REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

**LOCATION: 6E NORTHBOUND**

**STEP 1:** USE TMP-33 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACE WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 2:** USE TMP-34 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 NB DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACE WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 3:** REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

**LOCATION: 7E & 8E NORTHBOUND**

**STEP 1:** USE TMP-35, TMP-8 FOR OFFSITE DETOUR 33, TMP-10 FOR OFFSITE DETOUR 34B, AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 NB, RAMP #33 AND RAMP #34 DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG US29/GRAHAM ST., STATESVILLE AVE., W. 10TH ST., N. CHURCH ST., E. 9TH ST., N. CALDWELL ST., I-277 NB ENTRANCE RAMP, E. 11TH ST. AND E. 12TH ST. THIS OPERATION WILL CLOSE RAMP #33 AND RAMP #34. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

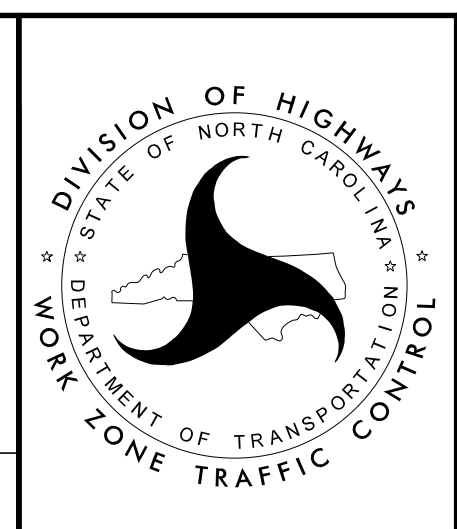
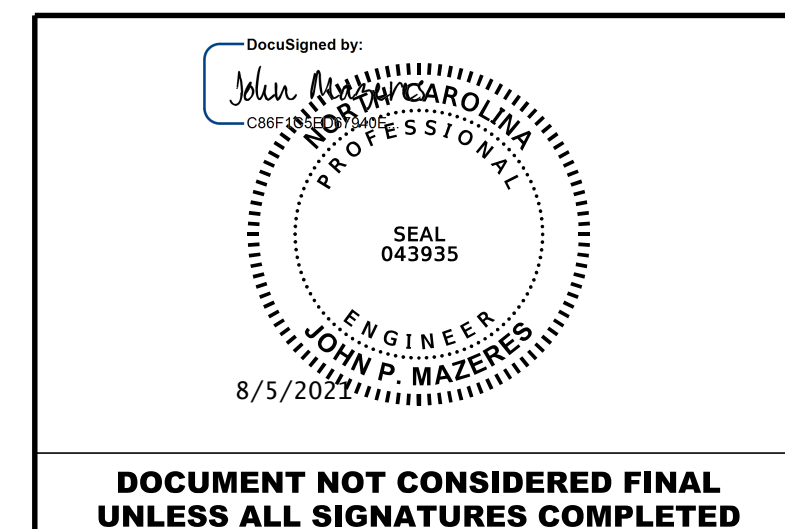
**STEP 2:** USE TMP-36, TMP-8 FOR OFFSITE DETOUR 33, TMP-10 FOR OFFSITE DETOUR 34B, AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 NB, RAMP #33 AND RAMP #34 DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG US29/GRAHAM ST., STATESVILLE AVE., W. 10TH ST., N. CHURCH ST., E. 9TH ST., N. CALDWELL ST., I-277 NB ENTRANCE RAMP, E. 11TH ST. AND E. 12TH ST. THIS OPERATION WILL CLOSE RAMP #33 AND RAMP #34. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

**STEP 3:** REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

**LOCATION: 9E NORTHBOUND**

**STEP 1:** USE TMP-37, TMP-9 FOR OFFSITE DETOUR 34A AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1, L2 AND L3 OF I-277 NB AND RAMP #34 DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG E. 12TH ST., N. CHURCH ST., W. 10TH ST., US29/N. GRAHAM ST. AND I-277 NB ENTRANCE RAMP. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

8/5/2021 2:00:15 PM User: jduke



**PHASING NOTES**  
**( 1 OF 3 )**

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UNLESS ALL SIGNATURES COMPLETED**

# PHASING NOTES

PROJ. REFERENCE NO.	SHEET NO.
I-5746C	TMP-6B



**PAVEMENT PRESERVATION**

STEP 2: USE TMP-38, TMP-8 FOR OFFSITE DETOUR 33, TMP-10 FOR OFFSITE DETOUR 34B, AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2, L3 AND L4 OF I-277 NB, RAMP #33 AND RAMP #34 DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG US29/GRAHAM ST., STATESVILLE AVE., W. 10TH ST., N. CHURCH ST., E. 9TH ST., N. CALDWELL ST., I-277 NB ENTRANCE RAMP, E. 11TH ST. AND E. 12TH ST.. THIS OPERATION WILL CLOSE RAMP #33 AND RAMP #34. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

LOCATION: 10E SOUTHBOUND

STEP 1: USE TMP-39, TMP-63, TMP-64, TMP-6C, AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1, L2 AND L3 OF I-277 SB AND THE I-77 SB HOT LANES DURING ALLOWABLE LANE CLOSURE TIMES. THIS OPERATION WILL CLOSE THE I-77 SB HOT LANES. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-40, TMP-63, TMP-64, TMP-18 FOR OFFSITE DETOUR 42, TMP-20 FOR OFFSITE DETOUR FOR I-77 NB RAMP TO I-277 SB, TMP-6C, AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1, L2 AND L3 OF I-277 SB AND I-77 SB HOT LANES DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG I-77 NB, I-77 SB, I-77 SB ENTRANCE RAMP I-77 NB EXIT 12, LASALLE ST., E. 11TH ST., I-77 SB EXITS 11 AND 11A, I-277 SB, I-277 SB EXIT 4 AND EXIT 3B, AND N. CHURCH ST. THIS OPERATION WILL CLOSE RAMP #42 AND I-77 NB RAMP TO I-277 NB RAMP TO I-277 SB AND THE I-77 SB HOT LANES. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

LOCATION: 11E SOUTHBOUND

STEP 1: USE TMP-41, TMP-63, TMP-64, TMP-6C AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1, L2 AND L3 OF I-277 SB AND THE I-77 SB HOT LANES DURING ALLOWABLE LANE CLOSURE TIMES. THIS OPERATION WILL CLOSE THE I-77 SB HOT LANES. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-42, TMP-63, TMP-64, TMP-6C TMP-19 FOR OFFSITE DETOUR 41 AND 42 ALT., TMP-20 FOR OFFSITE DETOUR FOR I-77 NB RAMP TO I-277 SB AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2, L3 AND L4 OF I-277 SB AND THE I-77 SB HOT LANES DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG I-77 NB, I-77 SB, I-77 SB ENTRANCE RAMP I-77 NB EXIT 12, LASALLE ST., I-77 SB EXITS 11 AND 11B, I-277 SB, I-277 SB EXITS 4, 3B AND 3A, N. COLLEGE ST., E. 12TH ST. AND US29/GRAHAM ST. THIS OPERATION WILL CLOSE RAMP #41, RAMP #42 AND I-77 NB RAMP TO I-277 NB RAMP TO I-277 SB AND THE I-77 SB HOT LANES. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

LOCATION: 12E SOUTHBOUND

STEP 1: USE TMP-43, TMP-63, TMP-64, TMP-6C AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1, L2 AND L3 OF I-277 SB AND THE I-77 SB HOT LANES DURING ALLOWABLE LANE CLOSURE TIMES. THIS OPERATION WILL CLOSE THE I-77 SB HOT LANES. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-44, TMP-45, TMP-63, TMP-64, TMP-6C, TMP-17 FOR OFFSITE DETOUR 41, TMP-20 FOR OFFSITE DETOUR FOR I-77 NB RAMP TO I-277 SB AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 SB AND THE I-77 SB HOT LANES DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG I-77 NB, I-77 SB, I-77 SB ENTRANCE RAMP I-77 NB EXIT 12, LASALLE ST., I-77 SB EXITS 11 AND 11A, I-277 SB, I-277 SB EXITS 3A AND 3B AND W. 11TH ST. THIS OPERATION WILL CLOSE RAMP #41 AND I-77 NB RAMP TO I-277 SB AND THE I-77 SB HOT LANES. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

LOCATION: 13E SOUTHBOUND

STEP 1: USE TMP-46, TMP-63, TMP-64, TMP-6C, AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 SB AND THE I-77 SB HOT LANES DURING ALLOWABLE LANE CLOSURE TIMES. THIS OPERATION WILL CLOSE THE I-77 SB HOT LANES. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-47, TMP-48, TMP-63, TMP-64, TMP-6C, TMP-16 FOR OFFSITE DETOUR 40, TMP-20 FOR OFFSITE DETOUR FOR I-77 NB RAMP TO I-277 SB AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 SB AND THE I-77 SB HOT LANES DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG I-77 NB, I-77 SB, I-77 SB ENTRANCE RAMP I-77 NB EXIT 12, LASALLE ST., I-77 SB EXITS 11 AND 11A, I-277 SB, I-277 SB EXITS 3A AND 3B AND W. 11TH ST. THIS OPERATION WILL CLOSE RAMP #40 AND I-77 NB RAMP TO I-277 NB RAMP TO I-277 SB AND THE I-77 SB HOT LANES. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

LOCATION: 14E SOUTHBOUND

STEP 1: USE TMP-49, TMP-6C AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 SB AND THE I-77 SB HOT LANES DURING ALLOWABLE LANE CLOSURE TIMES. THIS OPERATION WILL CLOSE THE I-77 SB HOT LANES. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-50, TMP-6C, TMP-16 FOR OFFSITE DETOUR 40 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 SB AND THE I-77 SB HOT LANES DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG I-277 SB, I-277 SB EXITS 3A AND 3B AND W. 11TH ST. THIS OPERATION WILL CLOSE RAMP #40 AND THE I-77 SB HOT LANES. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

LOCATION: 15E SOUTHBOUND

STEP 1: USE TMP-51 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-52, TMP-6C, TMP-16 FOR OFFSITE DETOUR 40 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 SB AND THE I-77 SB HOT LANES DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG I-277 SB, I-277 SB EXITS 3A AND 3B AND W. 11TH ST. THIS OPERATION WILL CLOSE RAMP #40 AND THE I-77 SB HOT LANES. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

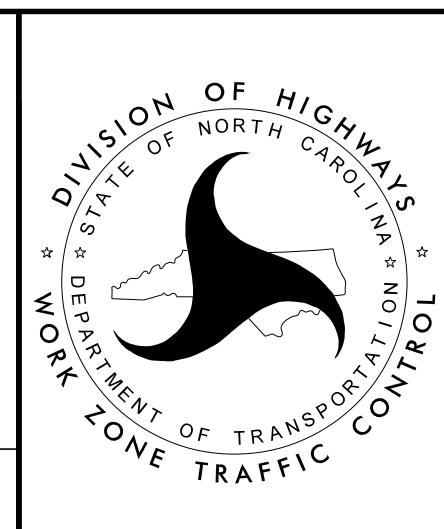
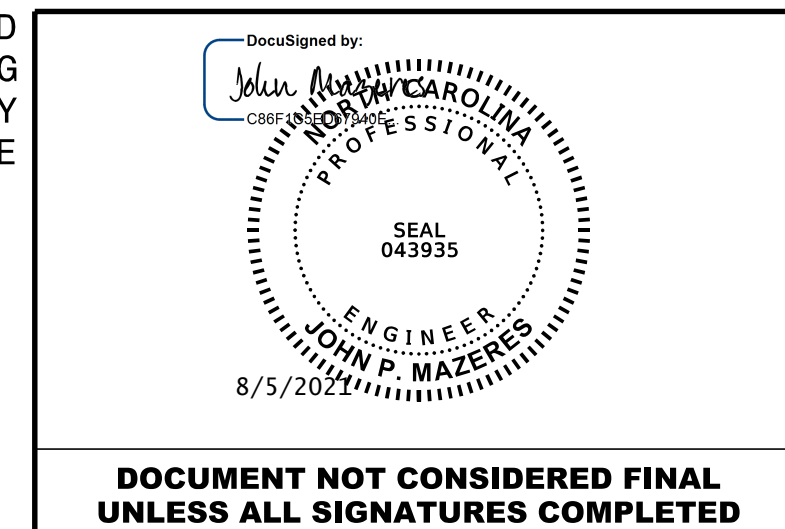
LOCATION: 16E SOUTHBOUND

STEP 1: USE TMP-53 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-54, TMP-6C, AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 SB AND THE I-77 SB HOT LANES DURING ALLOWABLE LANE CLOSURE TIMES. THIS OPERATION WILL CLOSE THE I-77 SB HOT LANES. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

8/5/2021 2:00:48 PM User: jduke



## PHASING NOTES (2 OF 3)

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



# PHASING NOTES

PROJ. REFERENCE NO.	SHEET NO.
I-5746C	TMP-6C

**KCA** Kisinger Campo & Associates Corp.  
 301 Fayetteville St., Suite 1500  
 Raleigh, NC 27601  
 John P. Mazeres, PE No. 043935  
 NC Firm License No. C-1506

PAVEMENT PRESERVATION

LOCATION: 17E SOUTHBOUND

STEP 1: USE TMP-55, TMP-56, TMP-15 FOR OFFSITE DETOUR 39 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG W. 11TH ST., AND I-277 SB ENTRANCE RAMP. THIS OPERATION WILL CLOSE RAMP #39. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-57, TMP-58, TMP-15 FOR OFFSITE DETOUR 39 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG W. 11TH ST., AND I-277 SB ENTRANCE RAMP. THIS OPERATION WILL CLOSE RAMP #39. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

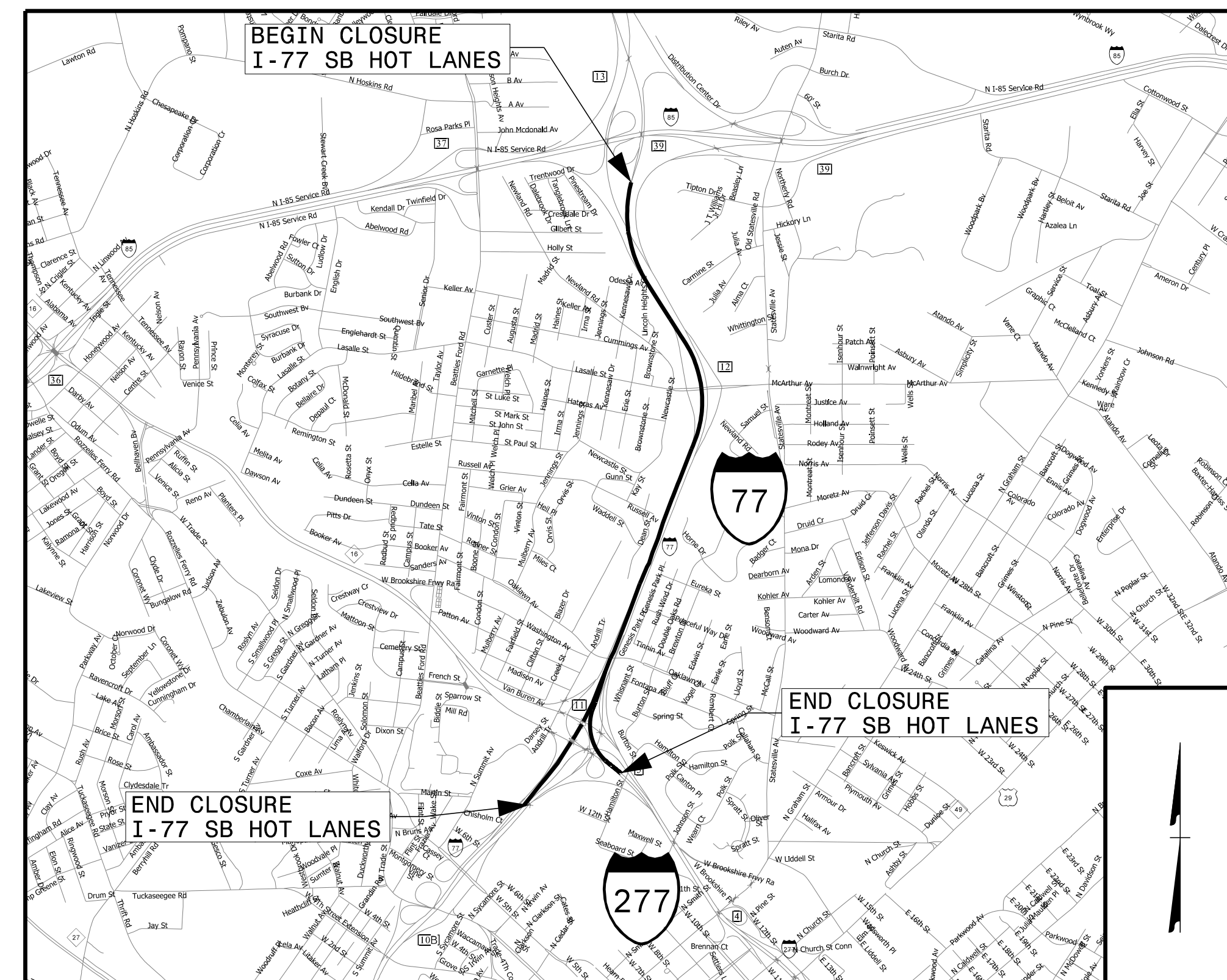
STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

LOCATION: 18E SOUTHBOUND

STEP 1: USE TMP-59, TMP-60, TMP-14 FOR OFFSITE DETOUR 38 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L1 AND L2 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG W. 11TH ST., N. DAVIDSON ST., N. BREVARD ST., E 12TH ST. AND I-277 SB ENTRANCE RAMP. THIS OPERATION WILL CLOSE RAMP #38. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-61, TMP-62, TMP-14 FOR OFFSITE DETOUR 38 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO INSTALL SIGNS AND DEVICES TO CLOSE LANES L2 AND L3 OF I-277 SB DURING ALLOWABLE LANE CLOSURE TIMES. PLACE DETOUR SIGNING AND DEVICES ALONG W. 11TH ST., N. DAVIDSON ST., N. BREVARD ST., E 12TH ST. AND I-277 SB ENTRANCE RAMP. THIS OPERATION WILL CLOSE RAMP #38. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PERFORM MILLING OF EXISTING ASPHALT WEARING SURFACE, EVALUATION AND REPLACEMENT OF CONCRETE PAVEMENT, AND RESURFACING WITH ASPHALT WEARING SURFACE AS REQUIRED IN ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

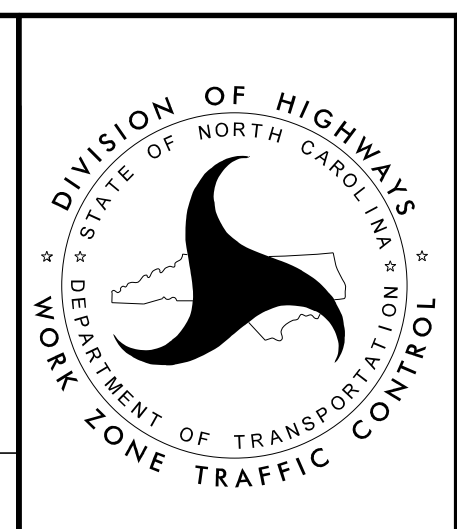
STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.



**I-77 SB HOT LANES CLOSURE MAP**

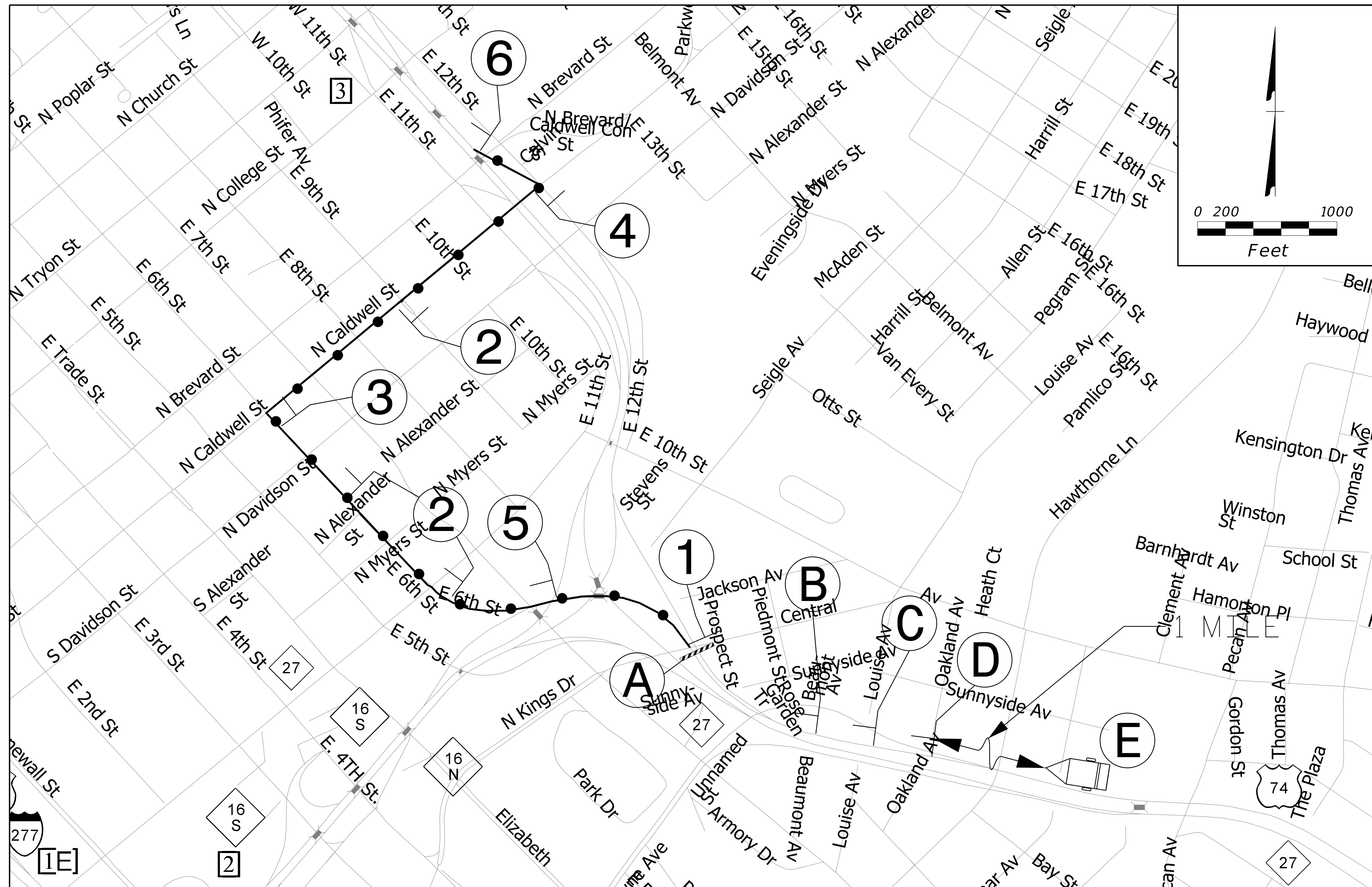
8/5/2021 2:00:51 PM User: jduke

DocuSigned by:  
**John P. Mazeres**  
 PROFESSIONAL ENGINEER  
 SEAL 043935  
 8/5/2021

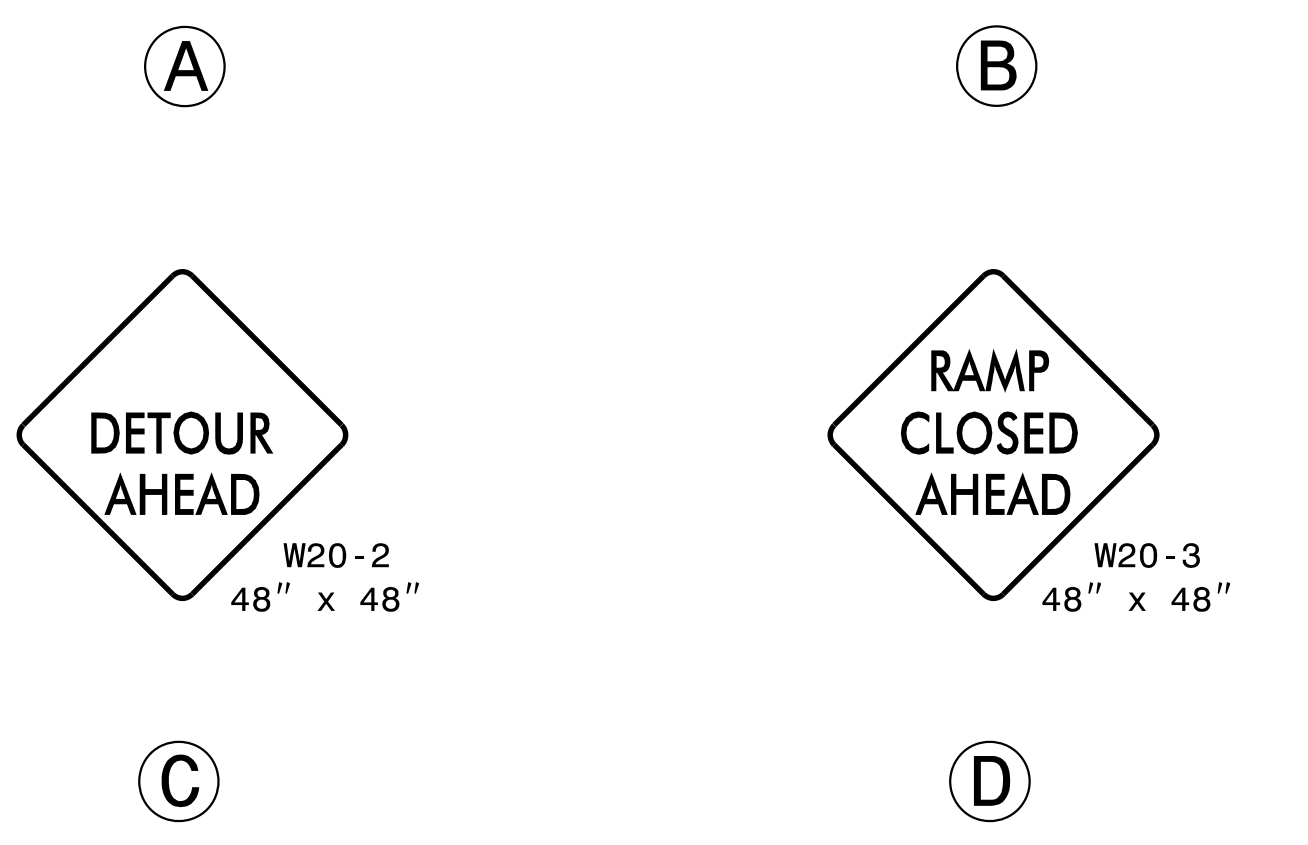
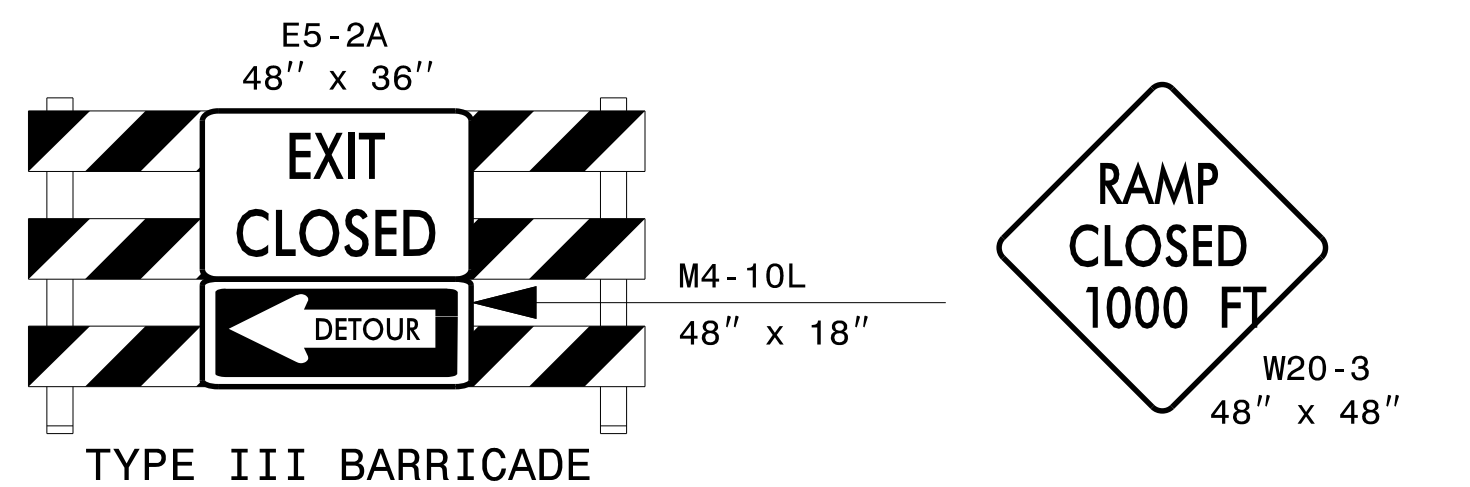


**PHASING NOTES**  
 (3 OF 3)

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



## I-277 NB DETOUR ROUTE



MESSAGE NO. 1	MESSAGE NO. 2
EXIT 242 CLOSED AHEAD	FOLLOW I-277 NB DETOUR

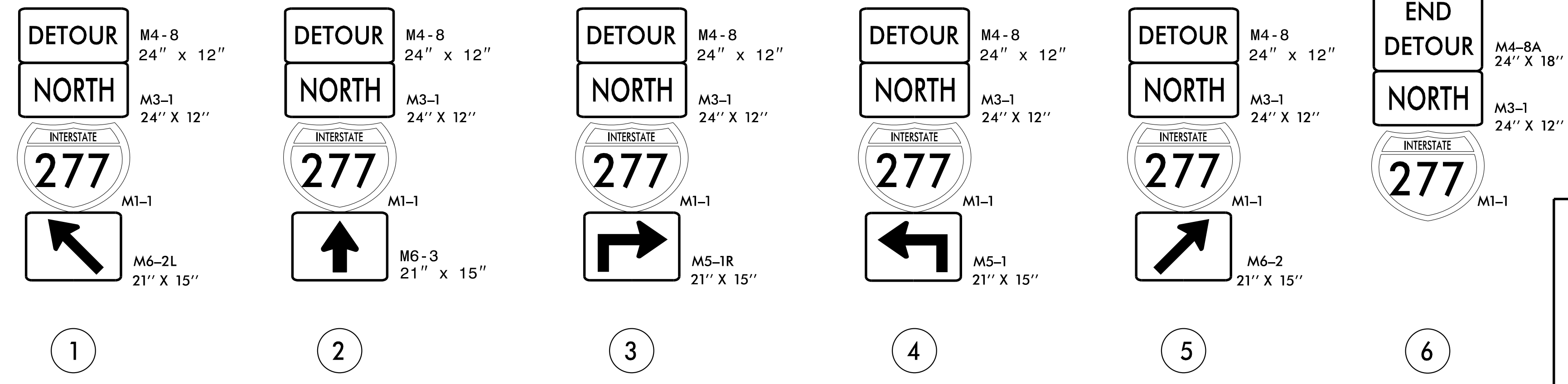
CHANGEABLE MESSAGE SIGN

### DETOUR DESCRIPTION:

US 74 WB TO EXIT FOR E. 6TH ST. AND S. MCDOWELL ST./NC27 TO E. 6TH ST. TO N. CALDWELL ST. TO I-277 NB ENTRANCE RAMP

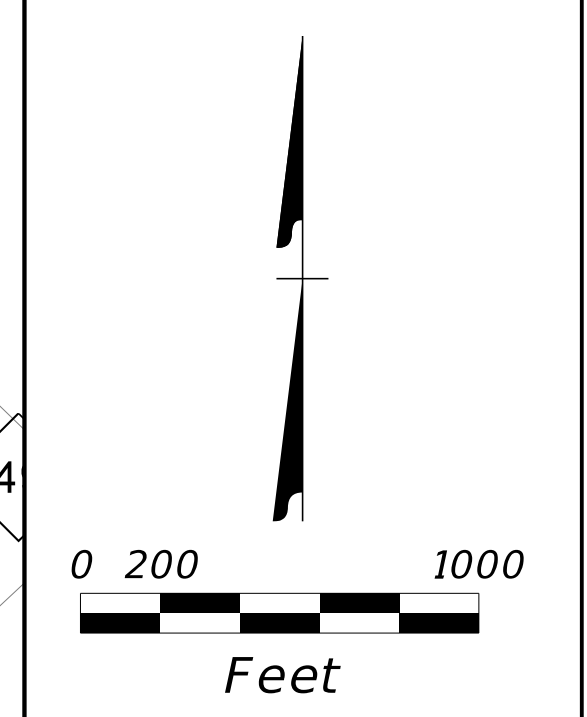
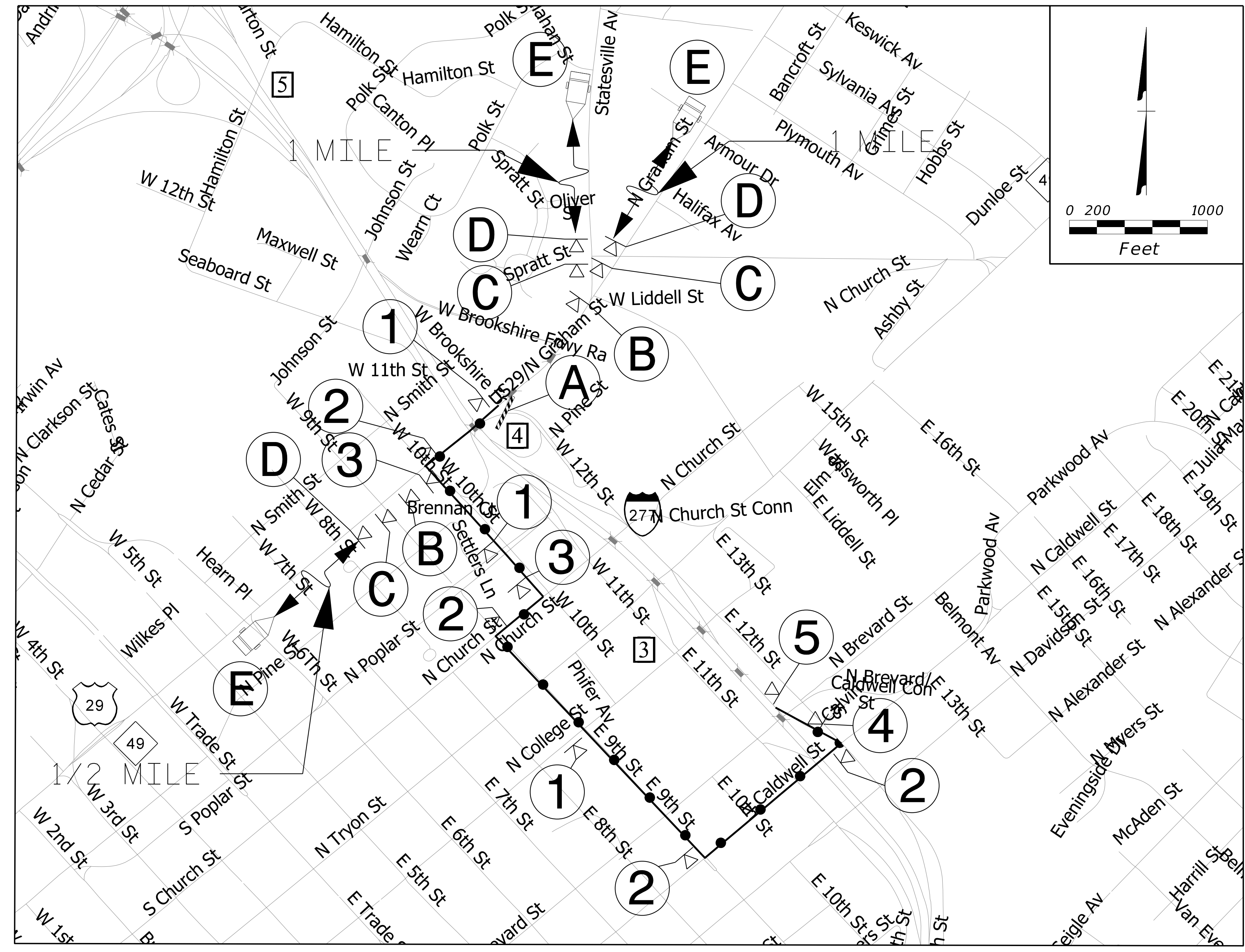
### NOTES:

TRAFFIC CONTROL DEVICES ① THRU ⑥ AND ①A THRU ①E SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

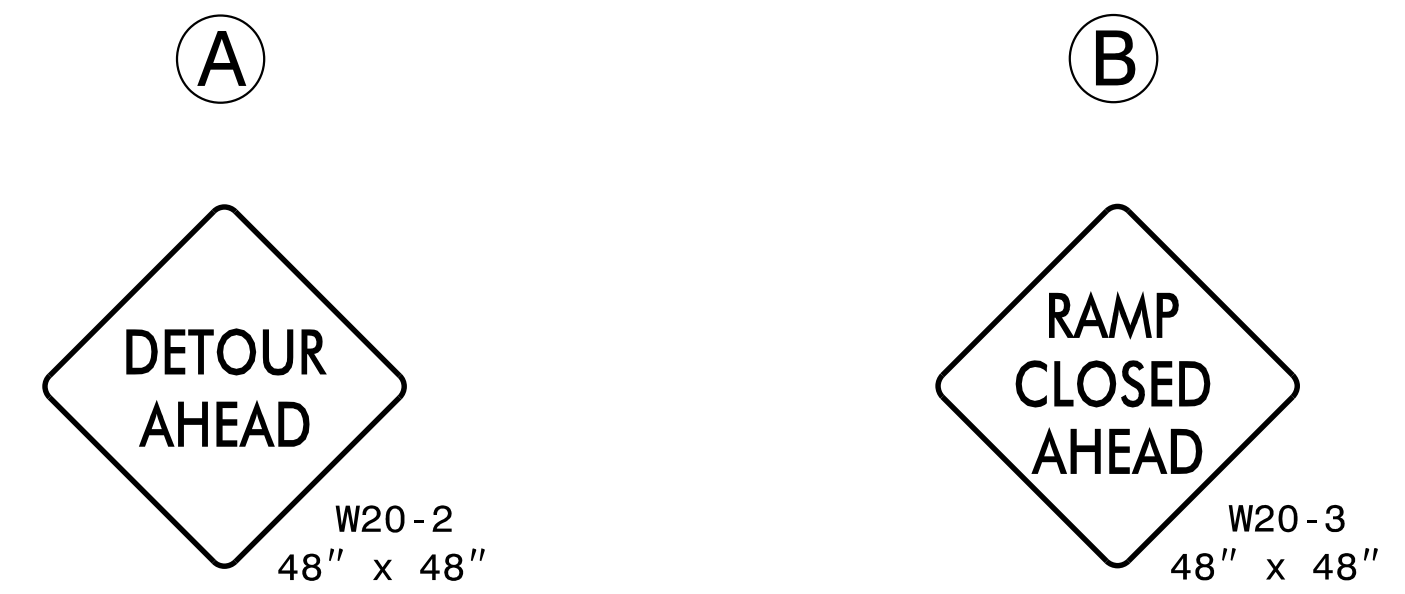
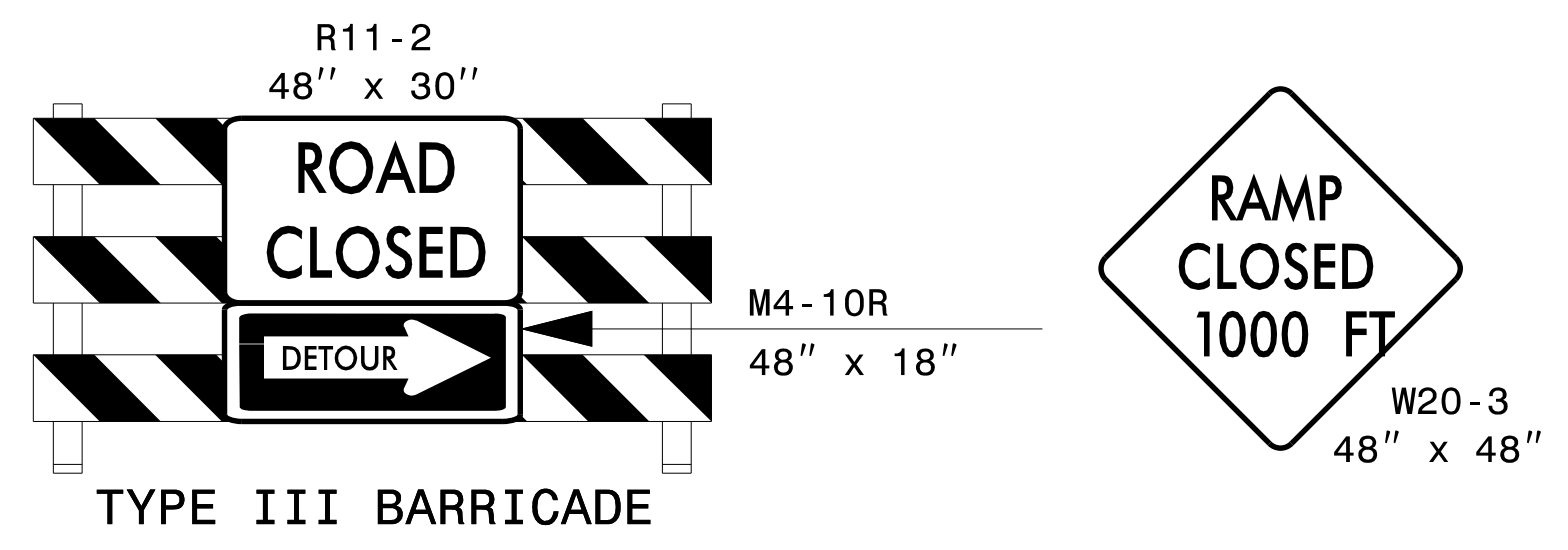


<p>DocuSigned by: <i>John P. Mazeres</i> SEAL 043935 ENGINEER JOHN P. MAZERES 8/5/2021</p>		<h2>OFFSITE DETOUR 30 SIGNING AND ROAD CLOSURE SIGNING</h2>
<p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>		

8/5/2021 2:00:15 PM I-5746E\_TMP-7-OFFSITE DETOUR 30 SIGNING AND ROAD CLOSURE SIGNING.dgn User: jduke



### GRAHAM ST ENTRANCE DETOUR ROUTE



MESSAGE NO. 1	MESSAGE NO. 2
I-277 NB ON RAMP CLOSED	FOLLOW I-277 NB DETOUR

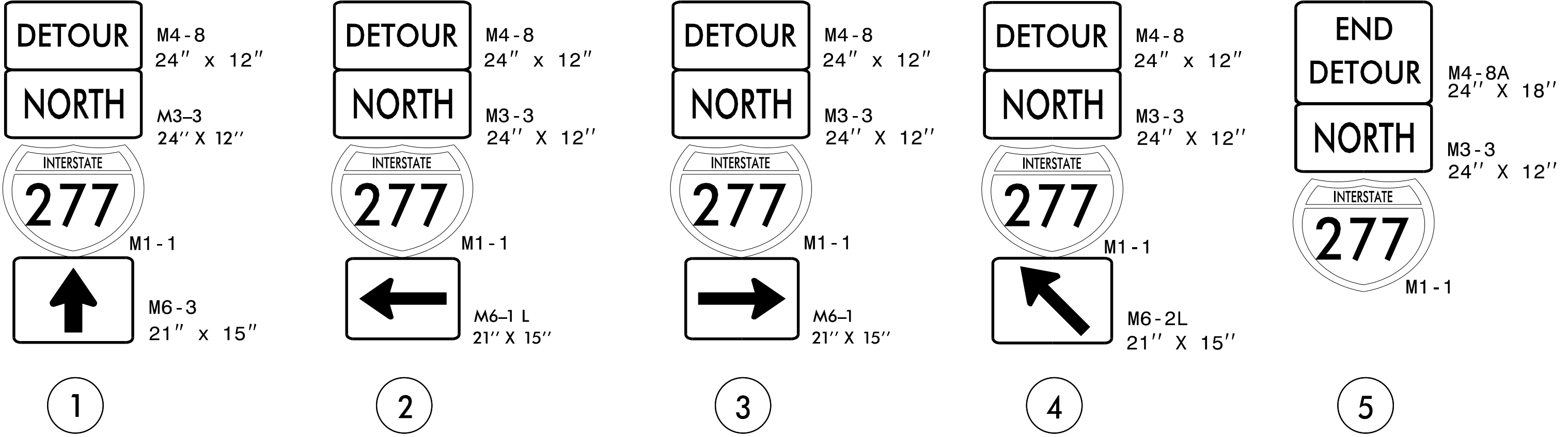
CHANGEABLE MESSAGE SIGN

**DETOUR DESCRIPTION:**

GRAHAM ST./US 29 TO W. 10TH ST. TO N. CHURCH ST. TO E. 9TH ST. TO N. CALDWELL ST. TO I-277 NB ENTRANCE RAMP

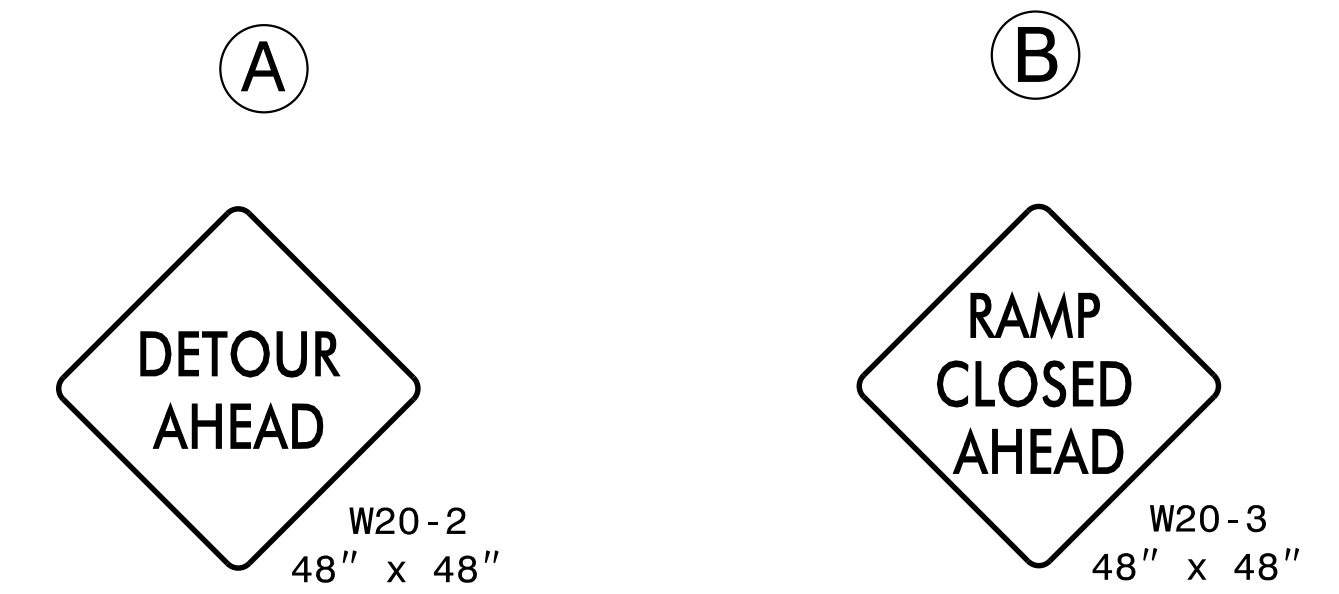
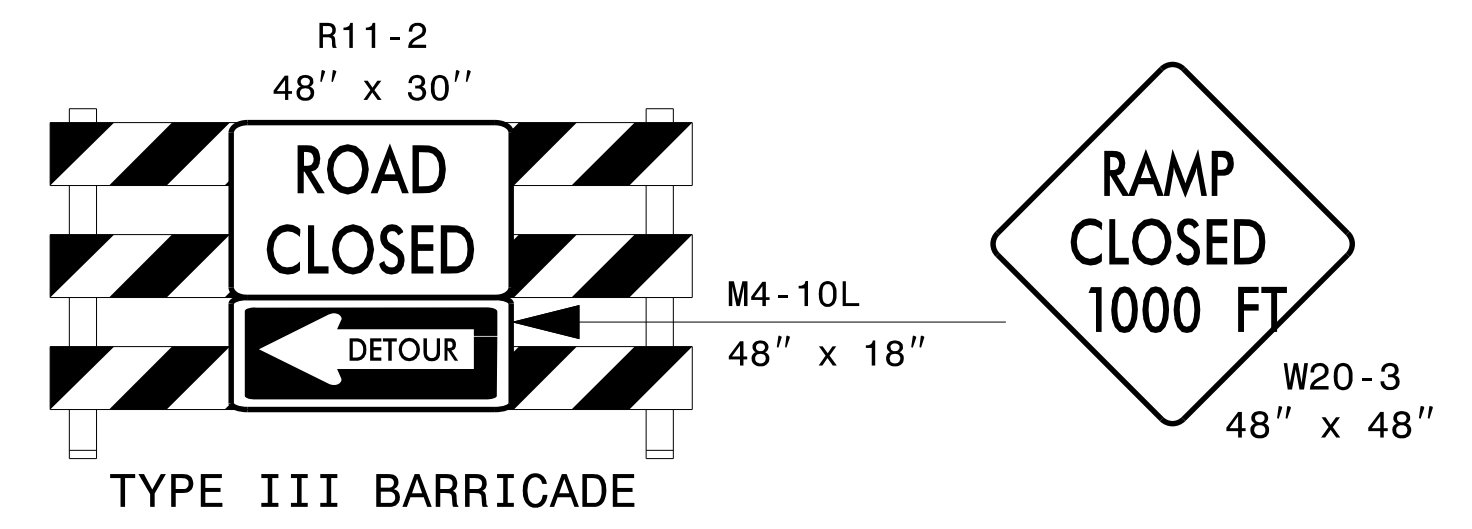
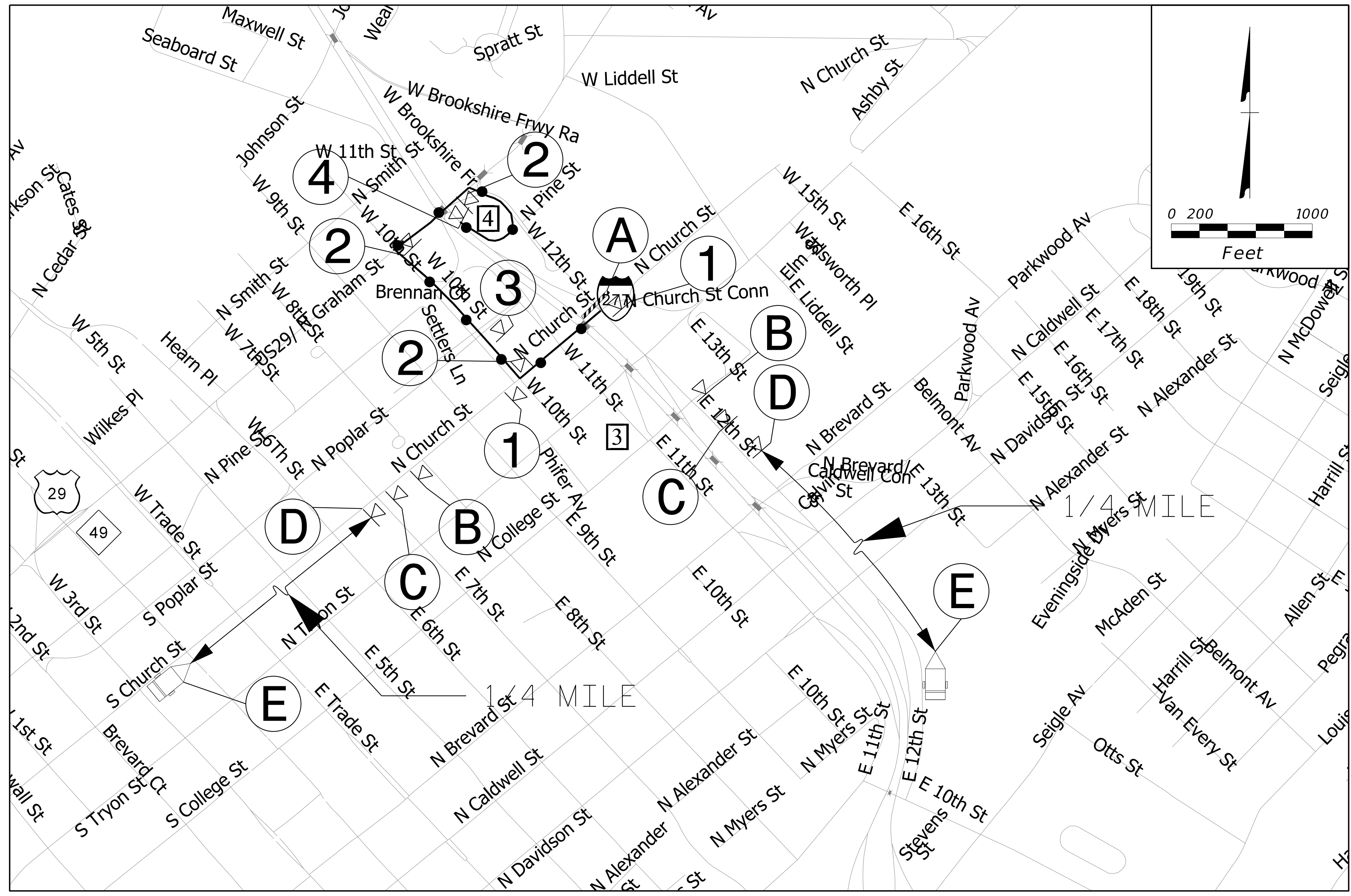
**NOTES:**

TRAFFIC CONTROL DEVICES ① THRU ⑤ AND ①A THRU ①E SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.



		<h3>OFFSITE DETOUR 33 SIGNING AND ROAD CLOSURE SIGNING</h3>
<p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>		

8/5/2021 2:00:16 PM I-5746C-TMP-8-OFFSITE DETOUR 33 SIGNING AND ROAD CLOSURE SIGNING.dgn User: jduke



MESSAGE NO. 1	MESSAGE NO. 2
I-277 NB ON RAMP CLOSED	FOLLOW I-277 NB DETOUR
CHANGEABLE MESSAGE SIGN	

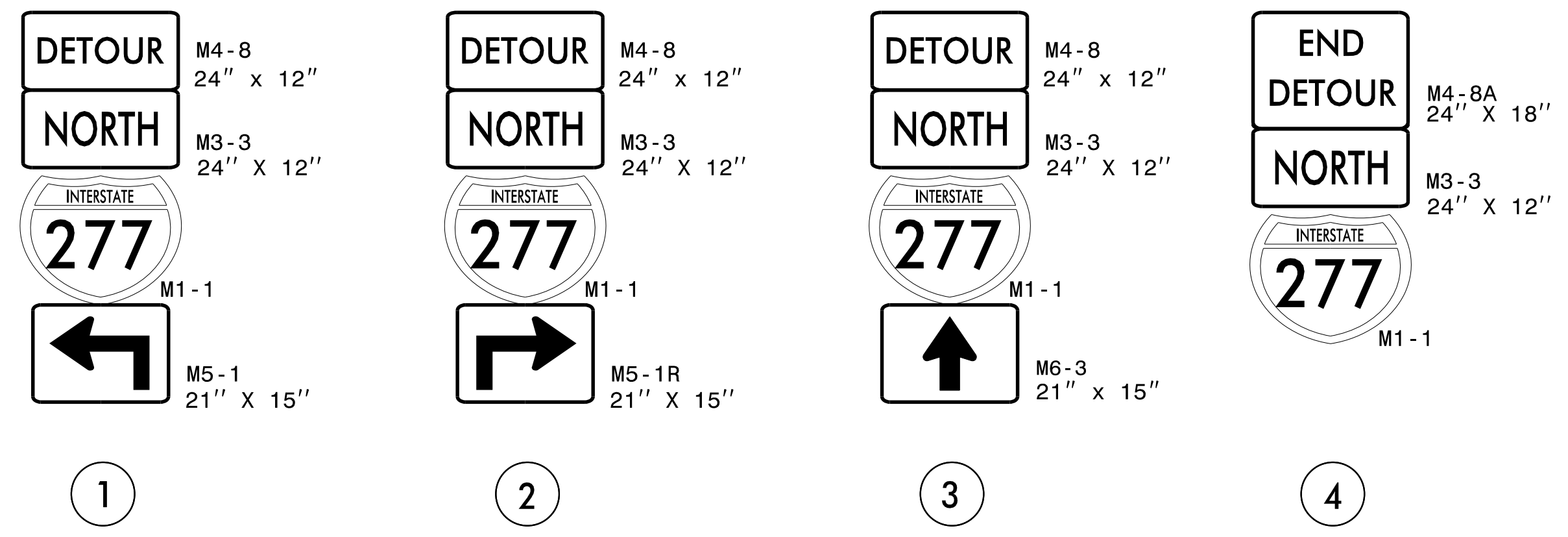


**DETOUR DESCRIPTION:**

W. 12TH ST. TO N. CHURCH ST. TO W. 10TH ST. TO GRAHAM ST./US29 TO I-277 NB ENTRANCE RAMP

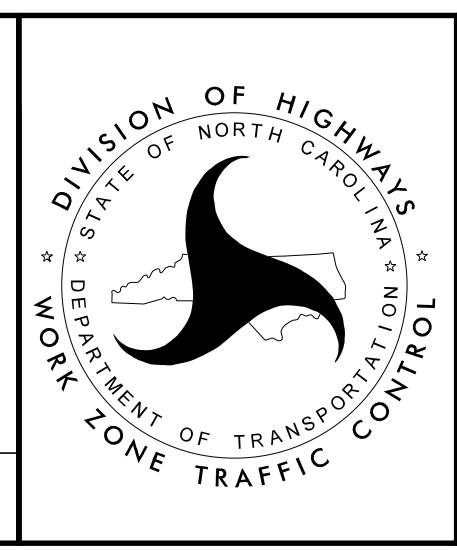
**NOTES:**

TRAFFIC CONTROL DEVICES ① THRU ④ AND ①A THRU ①E SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.



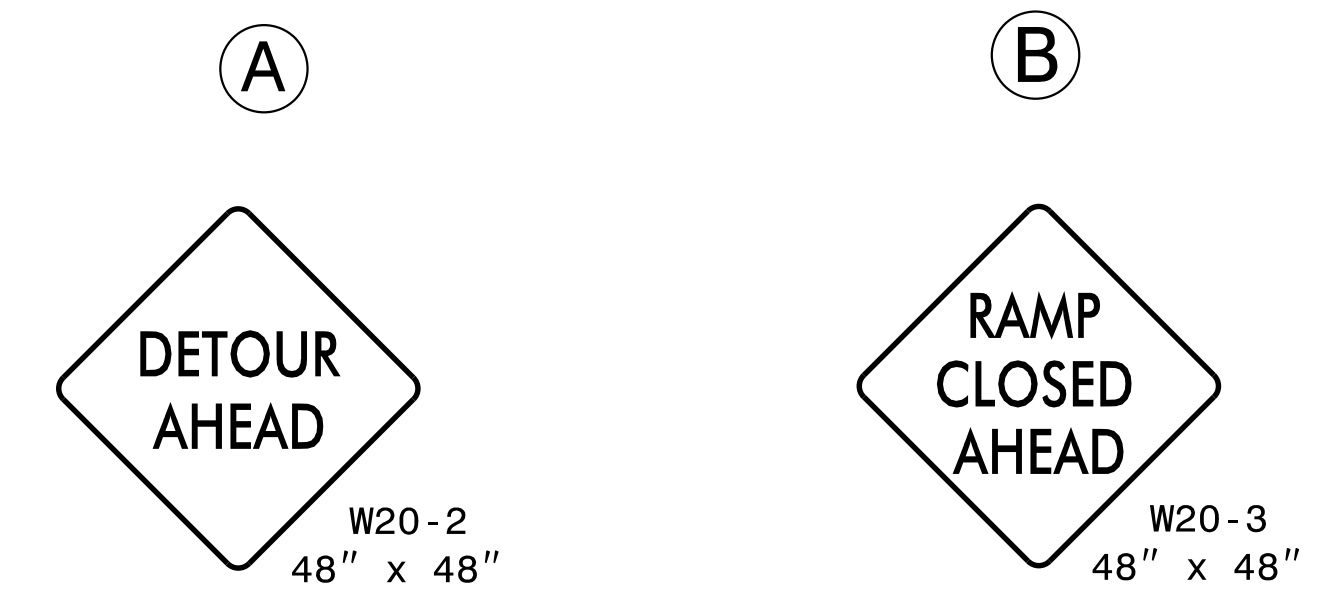
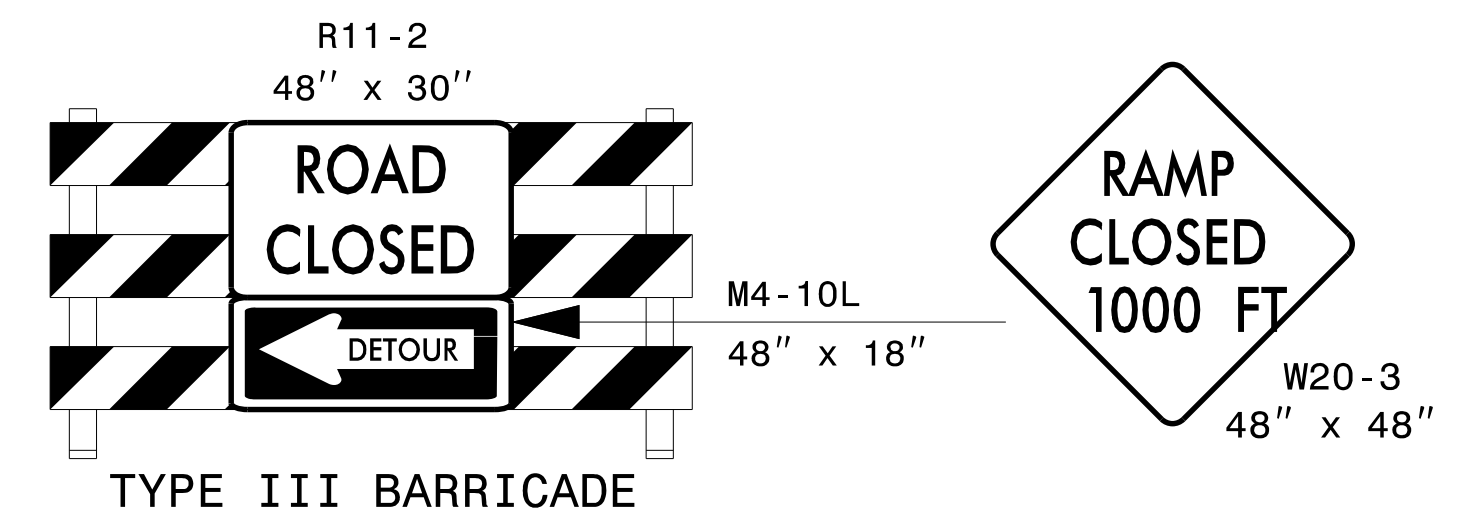
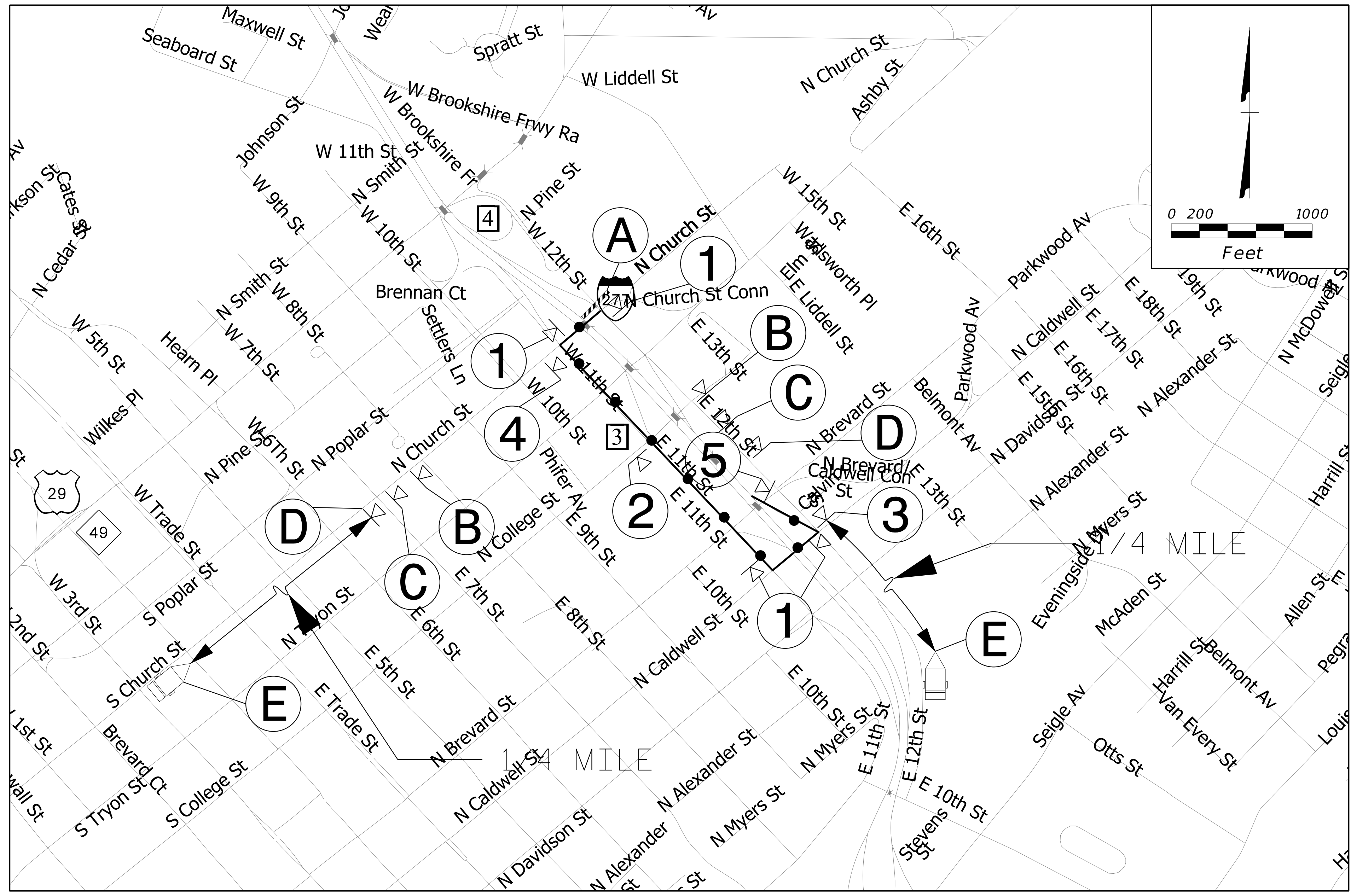
DocuSigned by:  
 John P. Mazeres  
 PROFESSIONAL ENGINEER  
 SEAL 043935  
 JOHN P. MAZERES  
 8/5/2021

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UNLESS ALL SIGNATURES COMPLETED**



**OFFSITE DETOUR 34A  
SIGNING AND ROAD  
CLOSURE SIGNING**

8/5/2021 2:00:17 PM I-5746E\_TMP-9\_OFFSITE\_DETOUR\_34A\_SIGNING\_AND\_ROAD\_CLOSURE\_SIGNING.dgn User: jduke



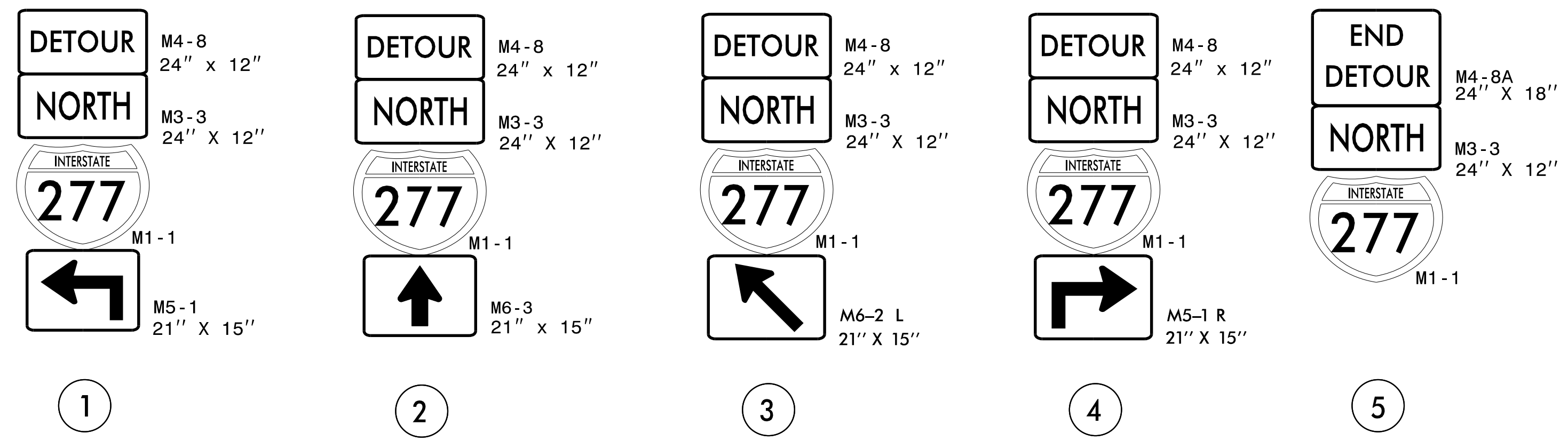
MESSAGE NO. 1	MESSAGE NO. 2
I-277 NB ON RAMP CLOSED	FOLLOW I-277 NB DETOUR
CHANGEABLE MESSAGE SIGN	

**DETOUR DESCRIPTION:**

W. 12TH ST. TO N. CHURCH ST. TO E. 11TH ST. TO N. CALDWELL ST. TO I-277 NB ENTRANCE RAMP

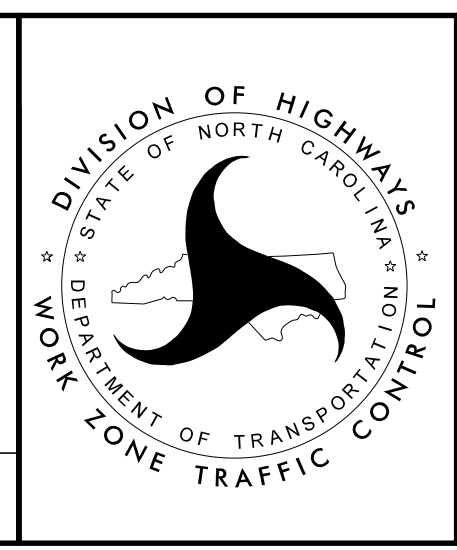
**NOTES:**

TRAFFIC CONTROL DEVICES ① THRU ④ AND Ⓐ THRU Ⓔ SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.



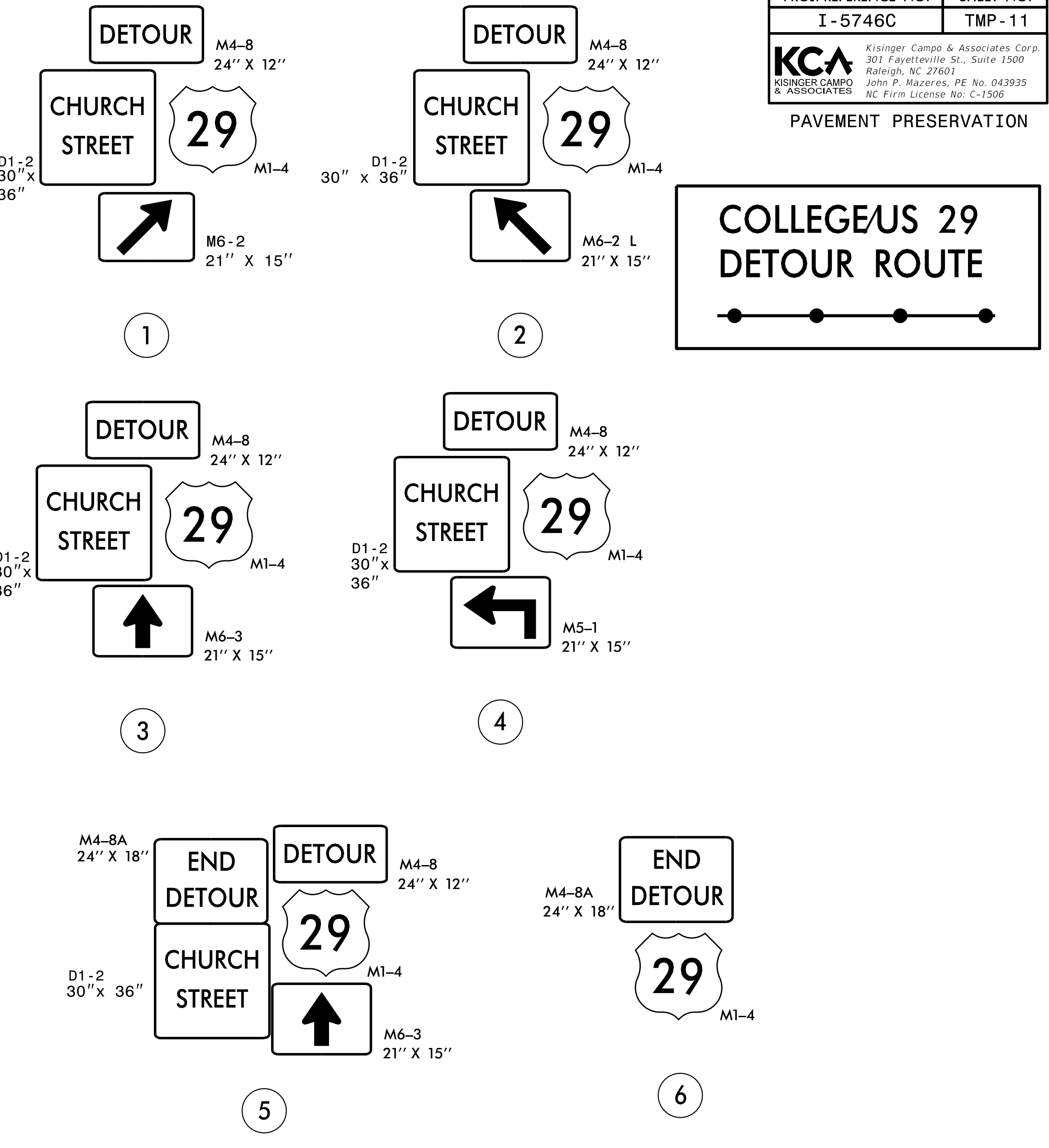
DocuSigned by:  
*John P. Mazeres*  
JOHN P. MAZERES  
ENGINEER  
SEAL 043935  
8/5/2021

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



**OFFSITE DETOUR 34B SIGNING AND ROAD CLOSURE SIGNING**

8/5/2021 2:00:18 PM I-5746E\_TMP-10-OFFSITE DETOUR 34B SIGNING AND ROAD CLOSURE SIGNING.dgn User: jduke

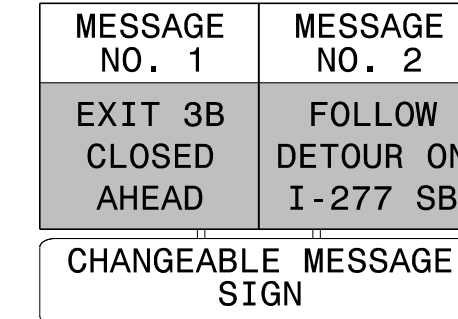
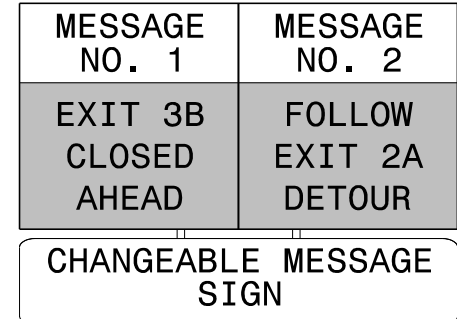
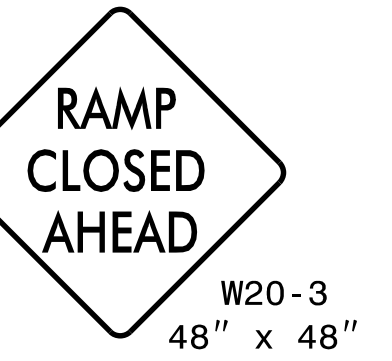
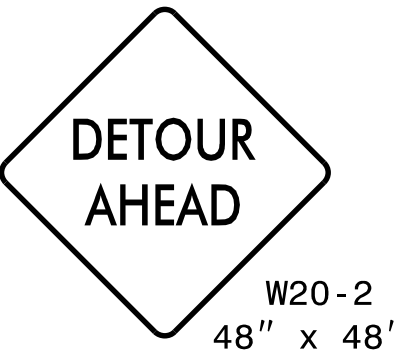
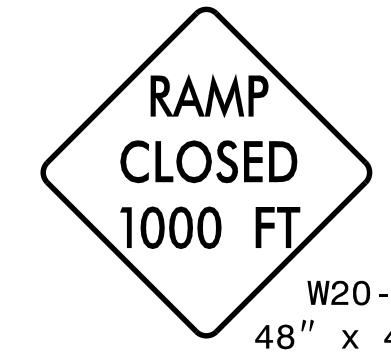
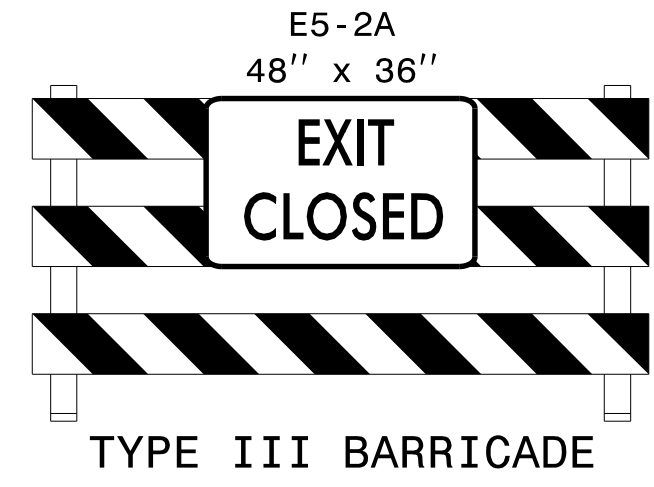


**DETOUR DESCRIPTION:**

I-277 NB EXIT 2A TO E 4TH ST./NC16 TO N. CHURCH ST. AND TO US 29/GRAHAM ST.  
 US74 WB TO I-277 SB/US74 WB TO EXIT 2A TO E 4TH ST./NC16 TO N. CHURCH ST.  
 AND TO US 29/GRAHAM ST.

**NOTES:**

1. TRAFFIC CONTROL DEVICES ① THRU ⑥ AND ①A THRU ①F SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.
2. FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.



①

②

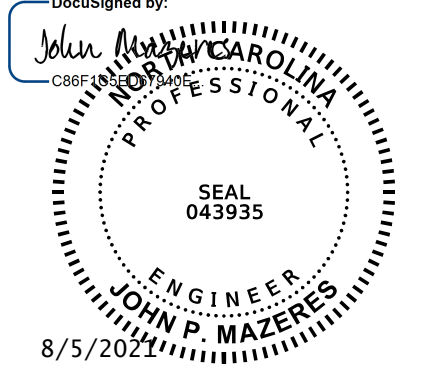
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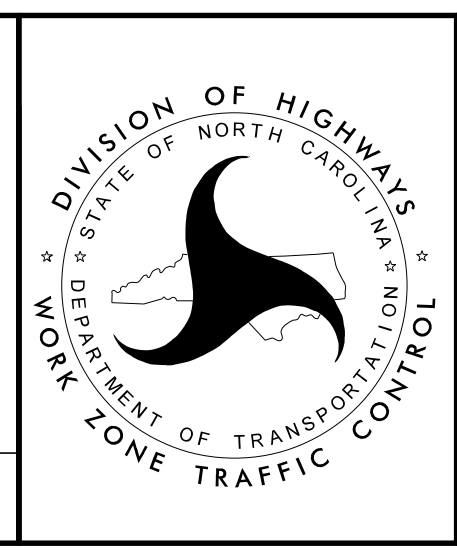
④

⑤

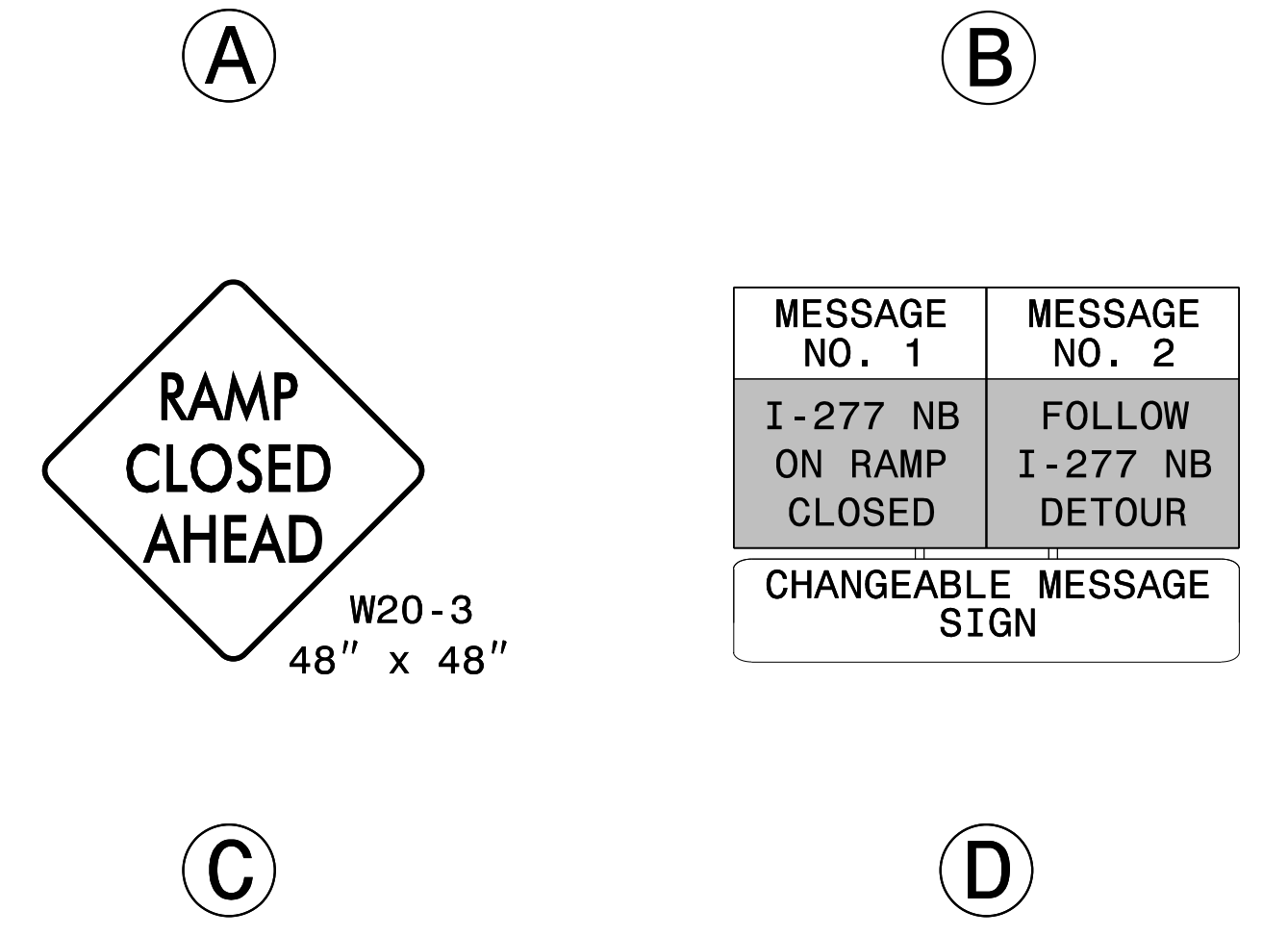
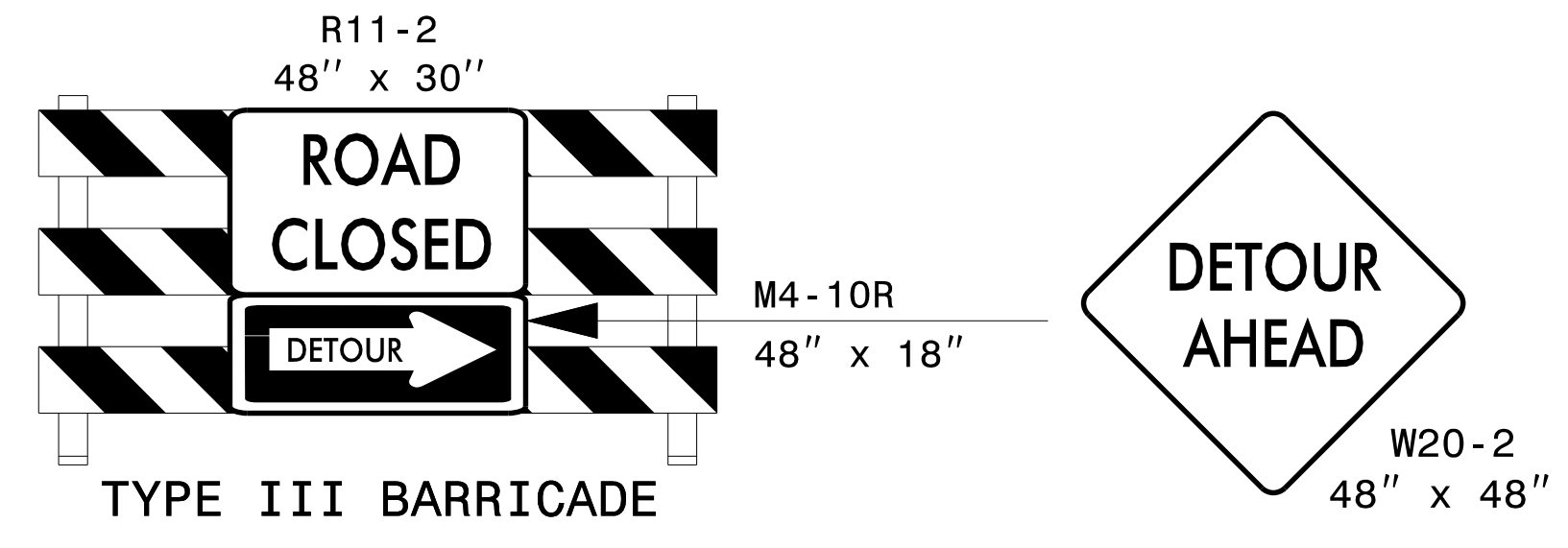
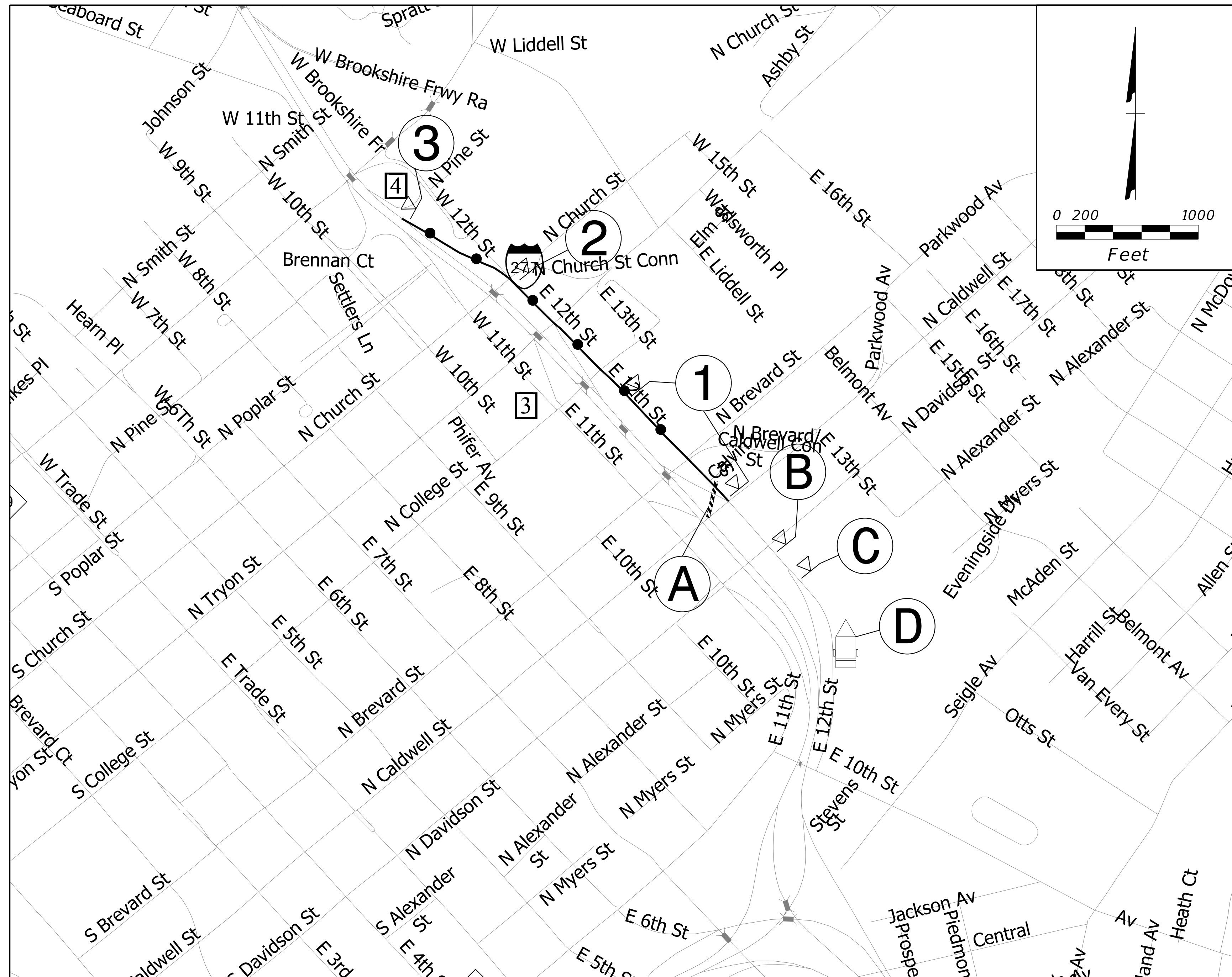
⑥

8/5/2021 2:00:19 PM I-5746E\_TMP-11 OFFSITE DETOUR 35 SIGNING AND ROAD CLOSURE\_SIGNING.dgn User: jduke

DocuSigned by:  
  
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

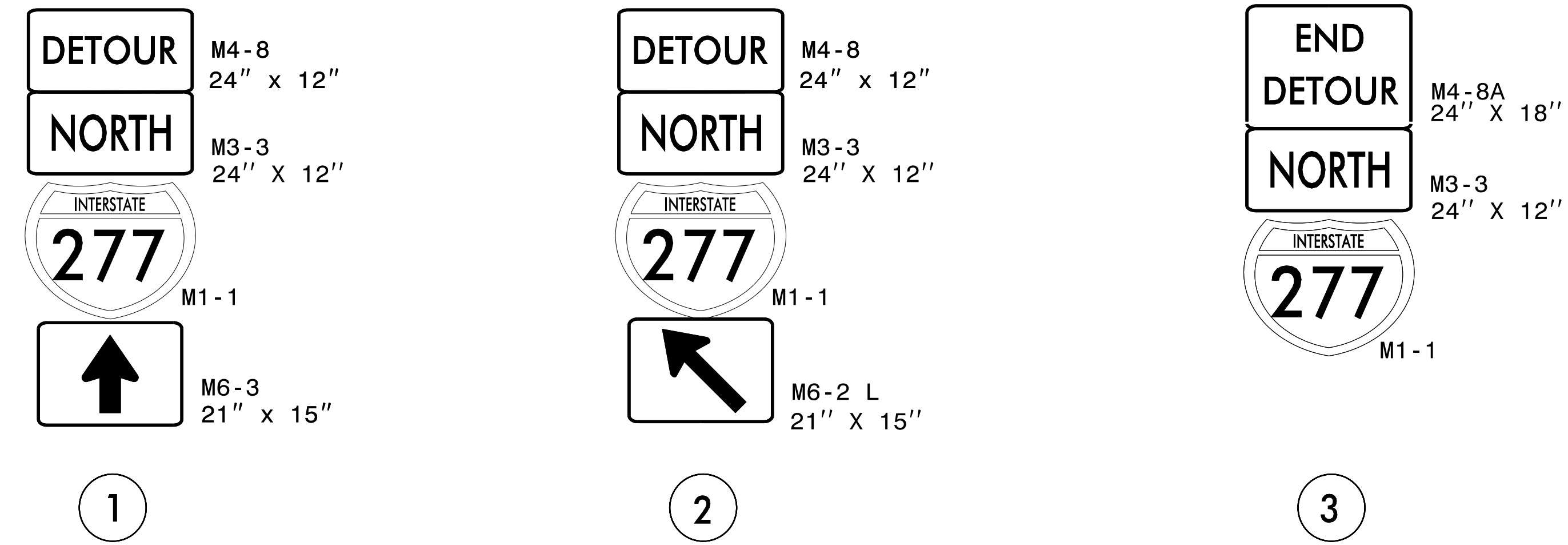


**OFFSITE DETOUR 35 SIGNING AND ROAD CLOSURE SIGNING**



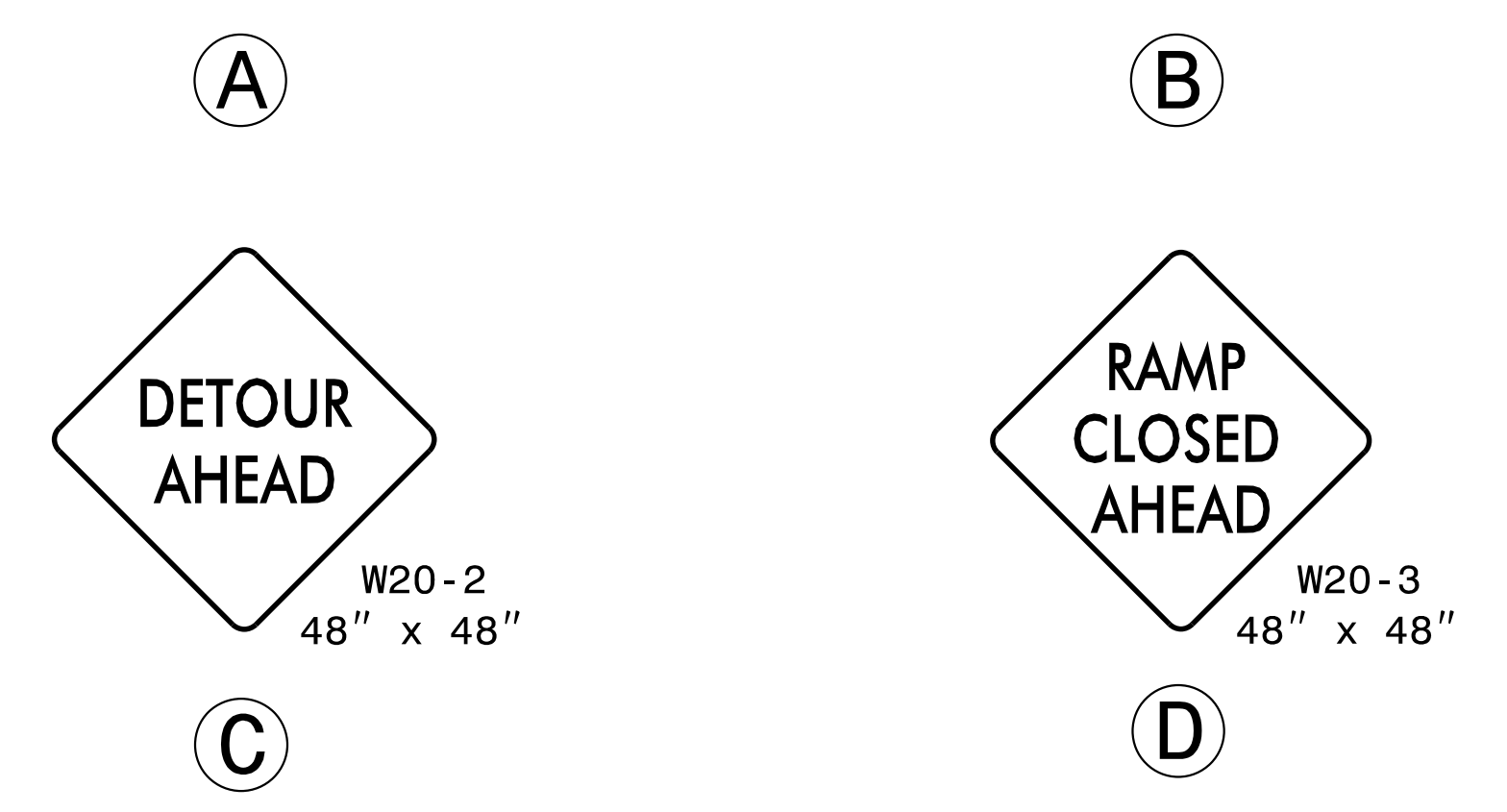
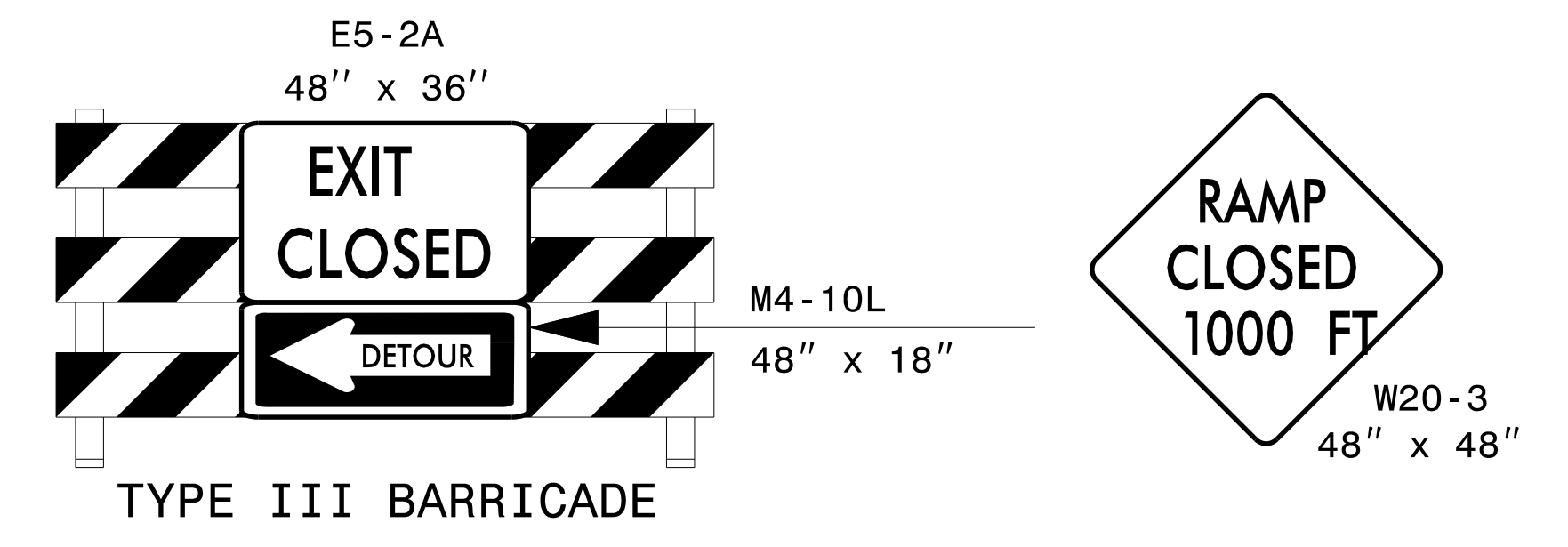
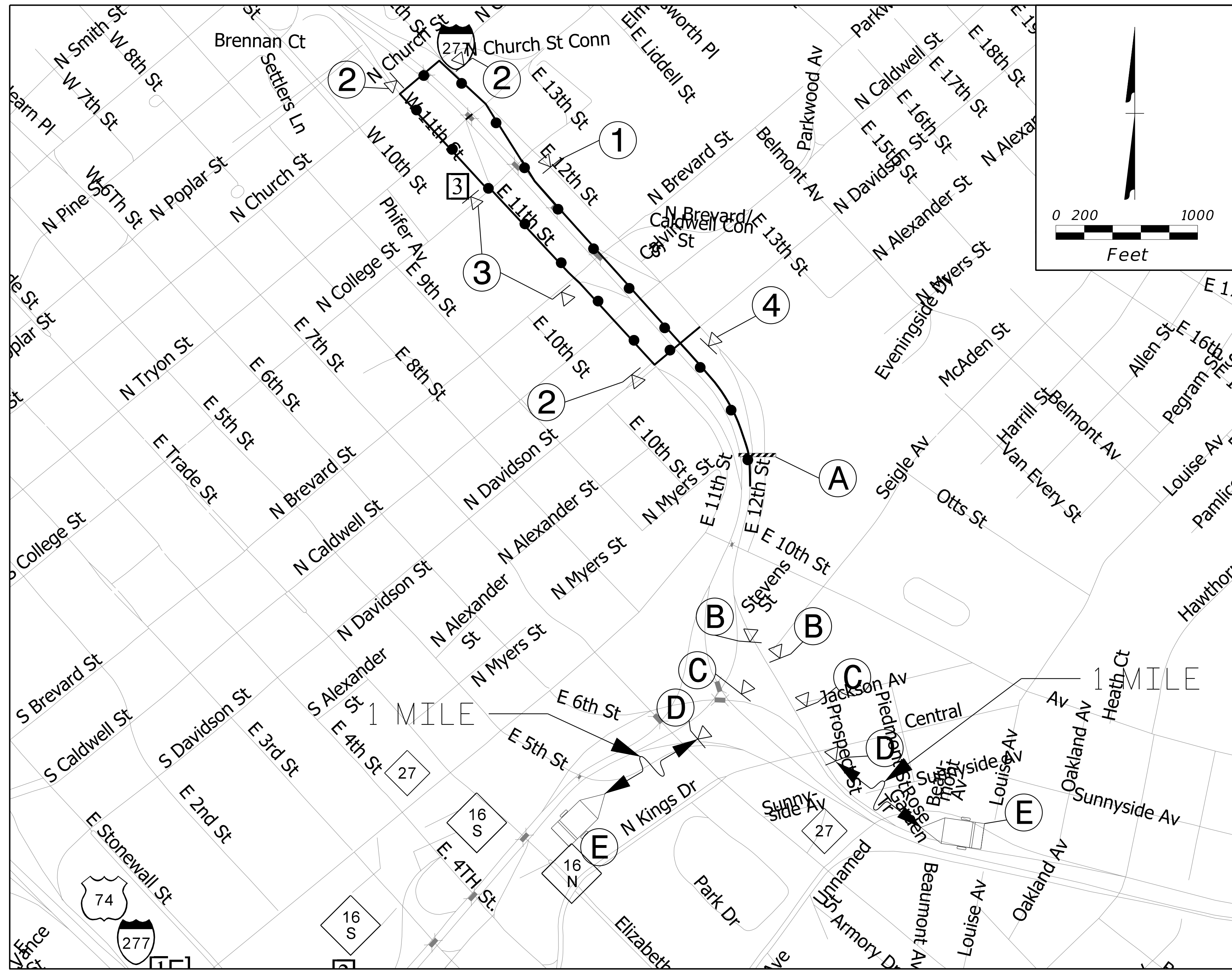
DETOUR DESCRIPTION:  
 E. 12TH ST. TO I-277 NB ENTRANCE RAMP

NOTES:  
 TRAFFIC CONTROL DEVICES ① THRU ③ AND ④ THRU ⑥ SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.



		<p><b>OFFSITE DETOUR 36                  SIGNING AND ROAD                  CLOSURE SIGNING</b></p>
<p><b>DOCUMENT NOT CONSIDERED FINAL                  UNLESS ALL SIGNATURES COMPLETED</b></p>		

8/5/2021 2:00:20 PM I-277 NB OFFSITE DETOUR 36 SIGNING AND ROAD CLOSURE SIGNING.dgn User: jduke

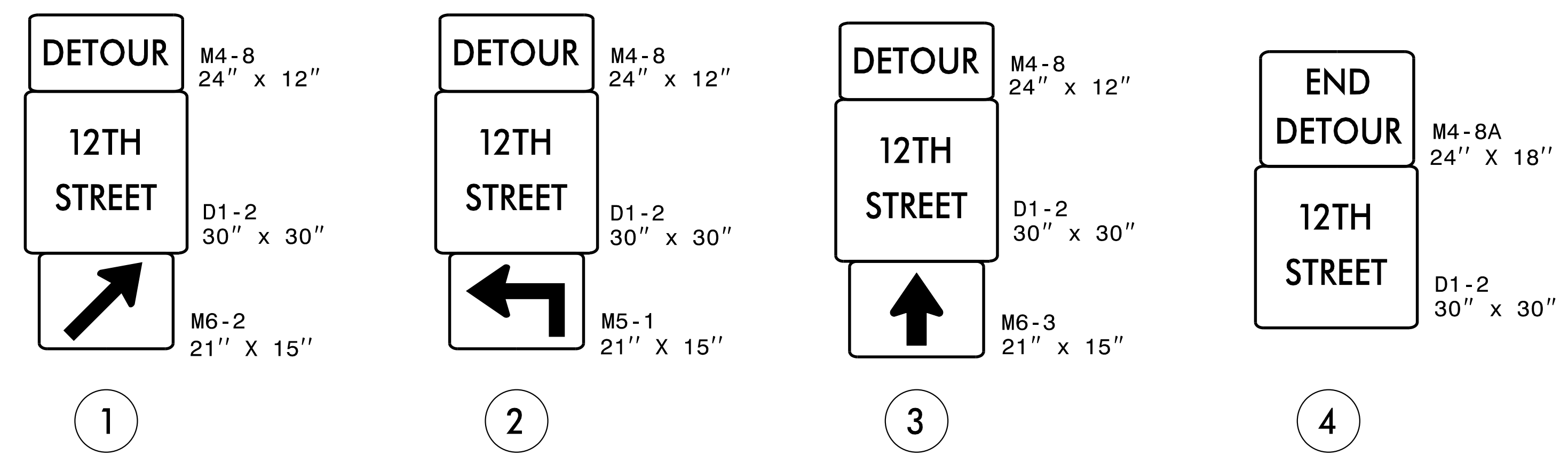


MESSAGE NO. 1	MESSAGE NO. 2
EXIT 3A CLOSED AHEAD	FOLLOW 12TH ST. DETOUR

CHANGEABLE MESSAGE SIGN

**DETOUR DESCRIPTION:**  
 I-277 NB EXIT 3B TO E. 12TH ST. TO N. CHURCH ST. TO E. 11TH ST.  
 N. DAVIDSON ST. TO E. 12TH ST.

- NOTES:**
- TRAFFIC CONTROL DEVICES ① THRU ④ AND ①A THRU ①E SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.
  - FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.

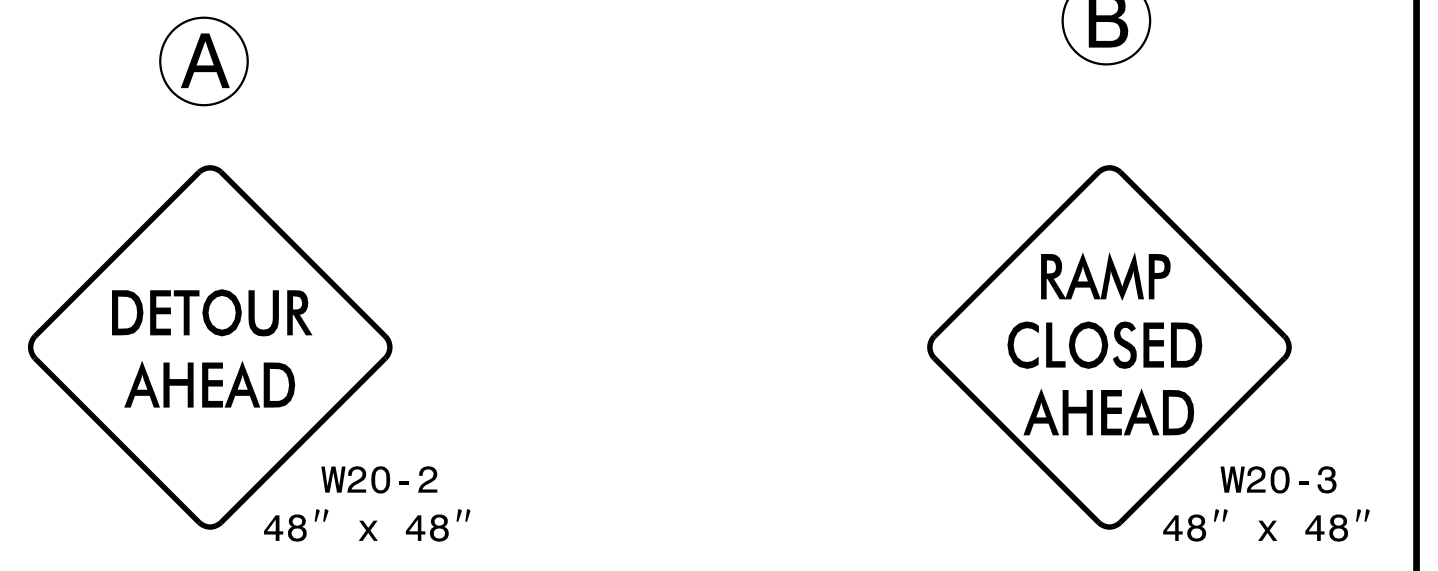
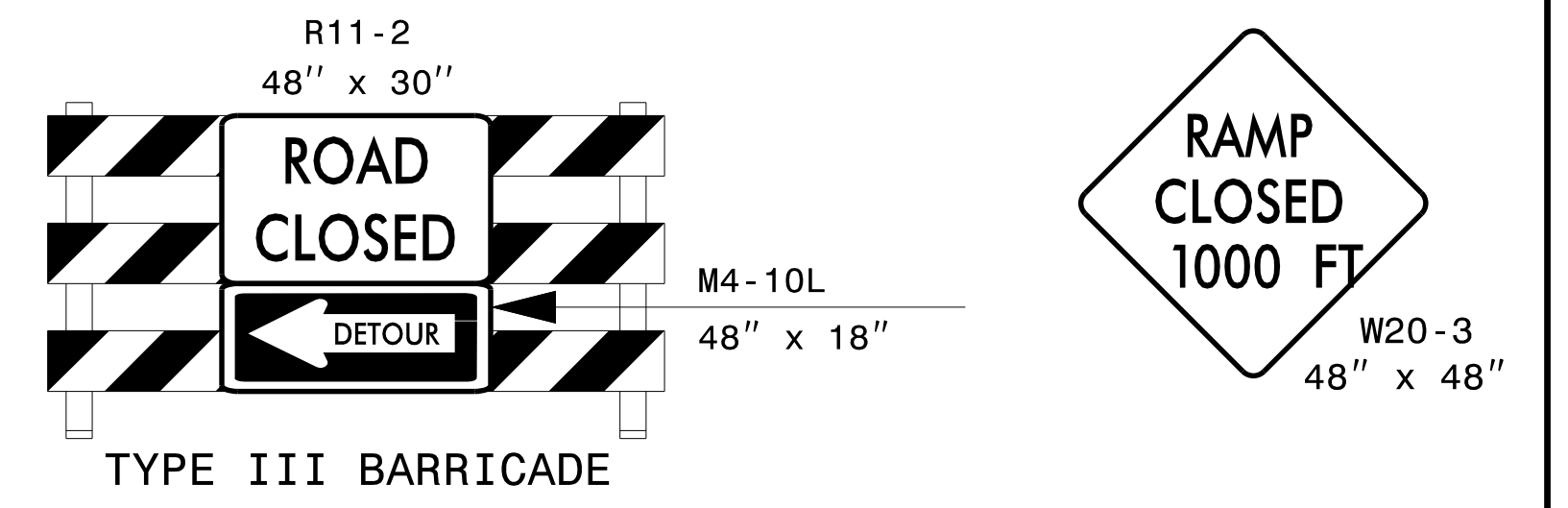
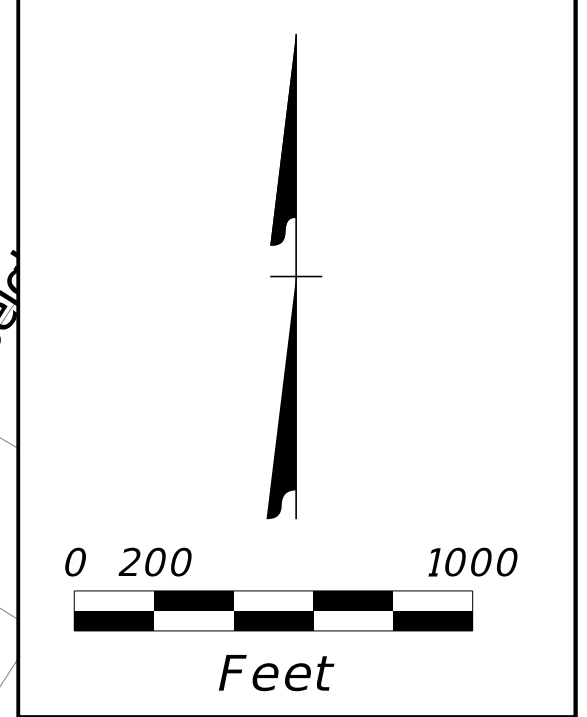


<p>DocuSigned by:  </p>		<p><b>OFFSITE DETOUR 37 SIGNING AND ROAD CLOSURE SIGNING</b></p>
<p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>		

8/5/2021  
 200.2115746E\_TMP-13-OFFSITE DETOUR 37 SIGNING AND ROAD CLOSURE SIGNING.dgn  
 User: jduke

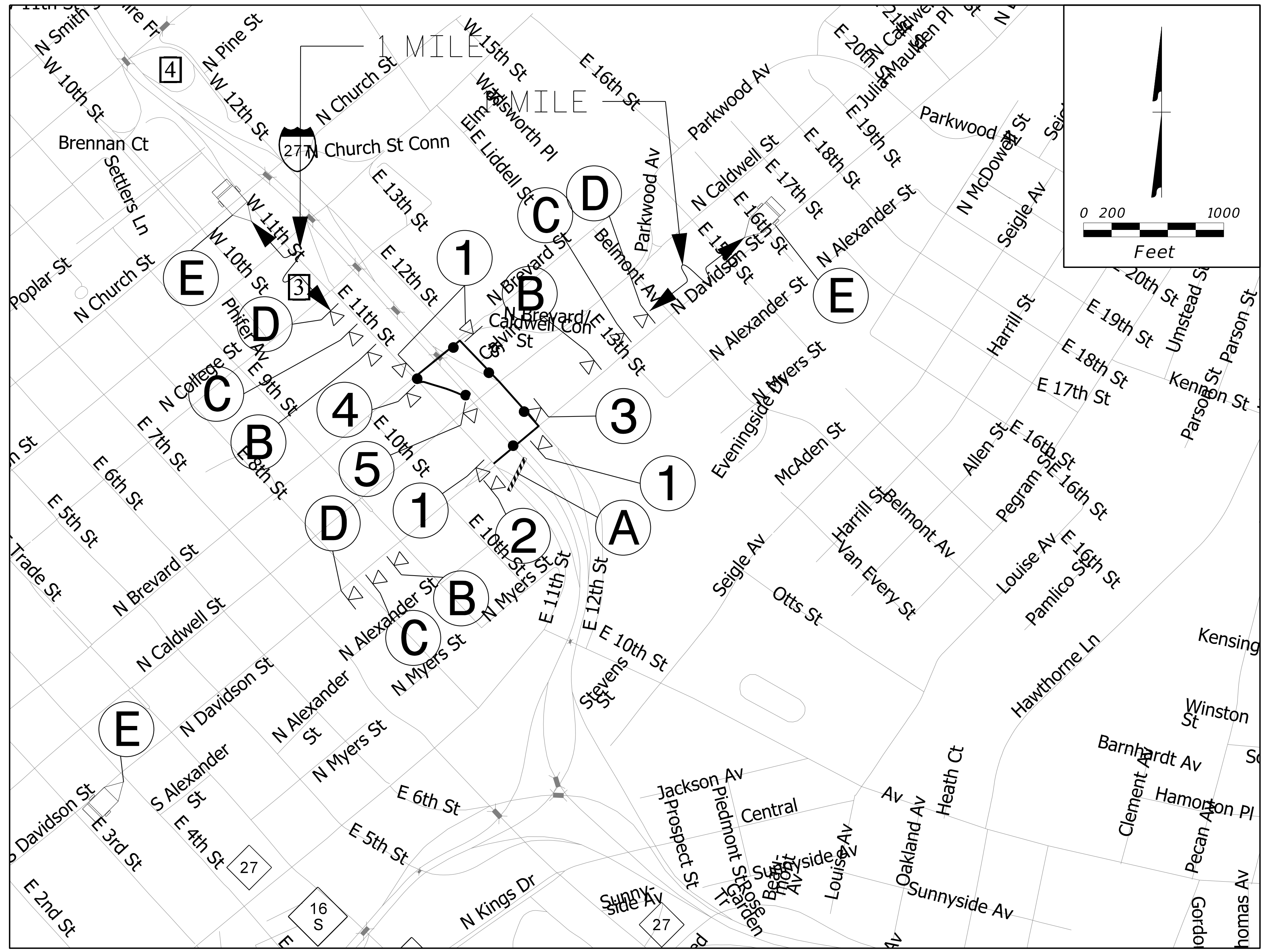


## 11TH ST ENTRANCE DETOUR ROUTE



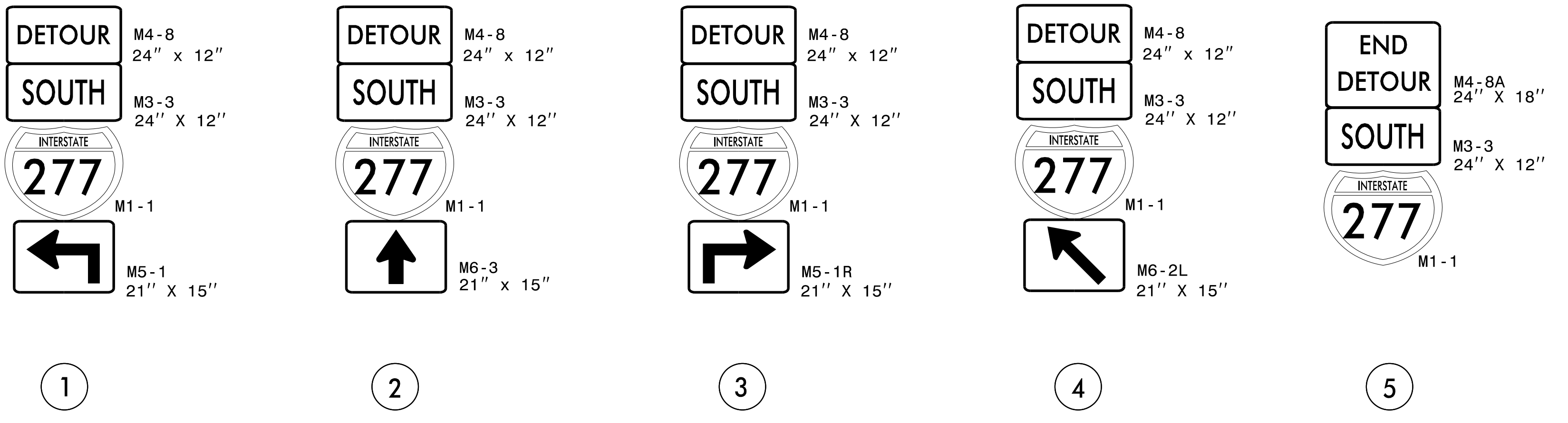
MESSAGE NO. 1	MESSAGE NO. 2
I-277 SB ON RAMP CLOSED	FOLLOW I-277 SB DETOUR

CHANGEABLE MESSAGE SIGN



**DETOUR DESCRIPTION:**  
 E. 11TH ST. TO N. DAVIDSON ST. TO E. 12TH ST. TO N. BREVARD ST. TO I-277 SB ENTRANCE RAMP

**NOTES:**  
 TRAFFIC CONTROL DEVICES ① THRU ⑤ AND Ⓐ THRU Ⓔ SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

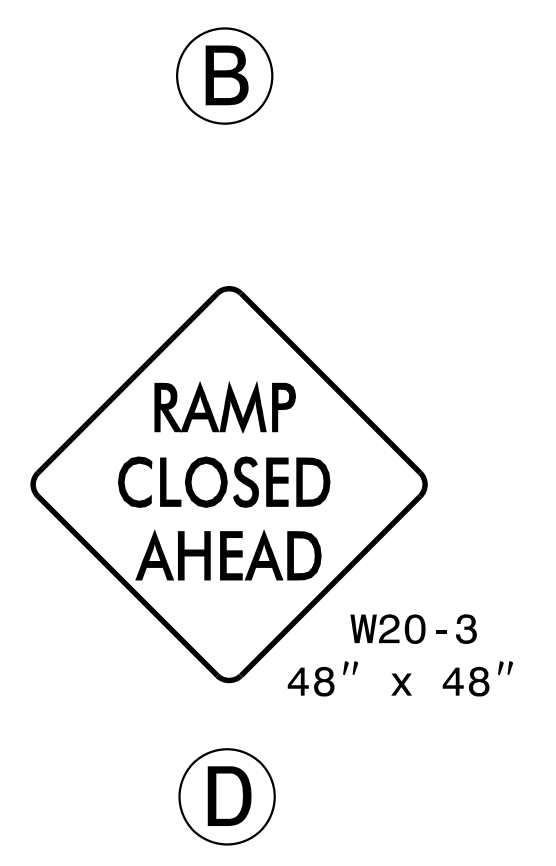
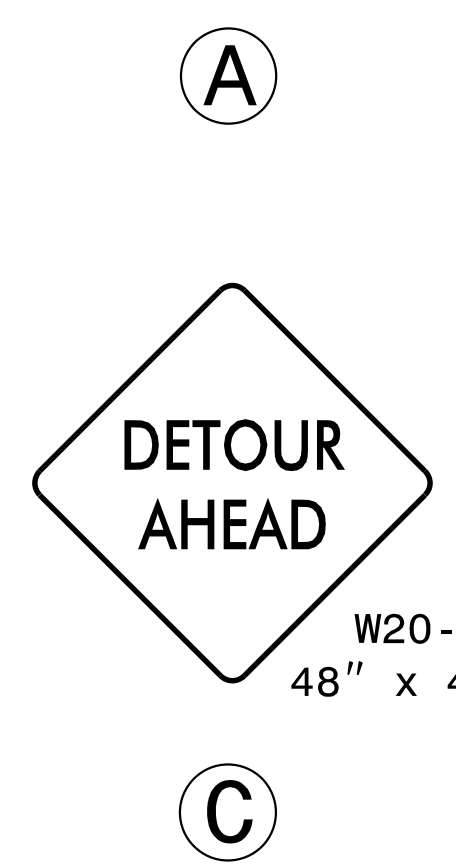
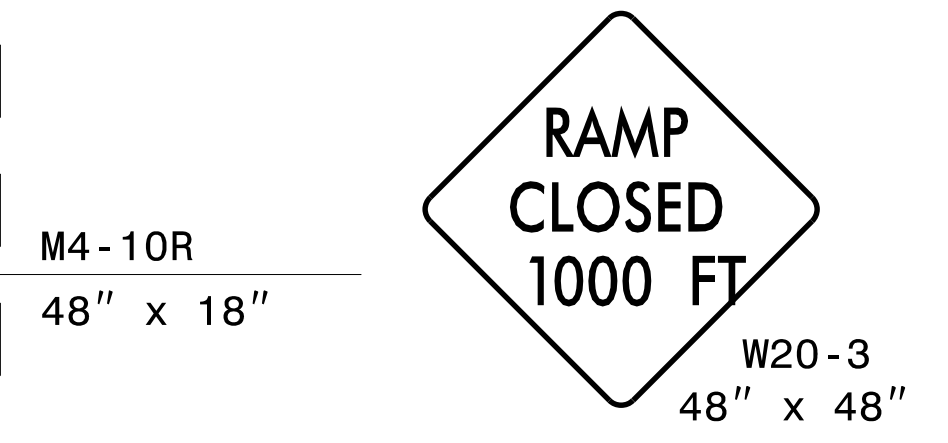
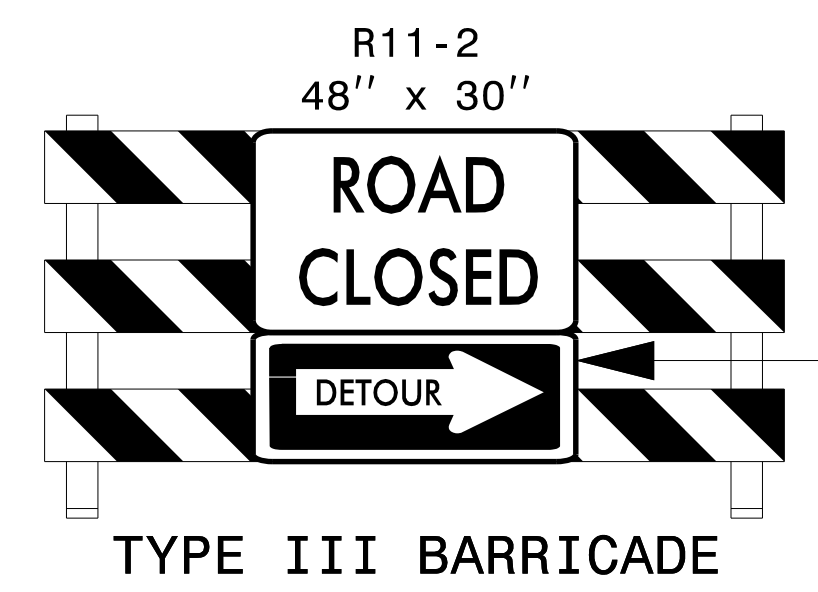
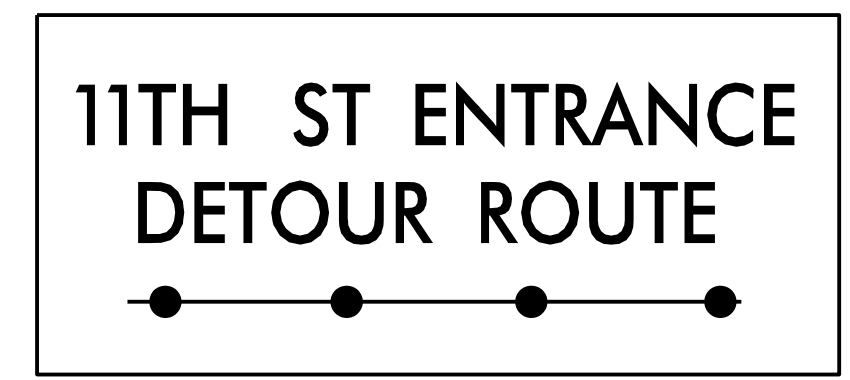
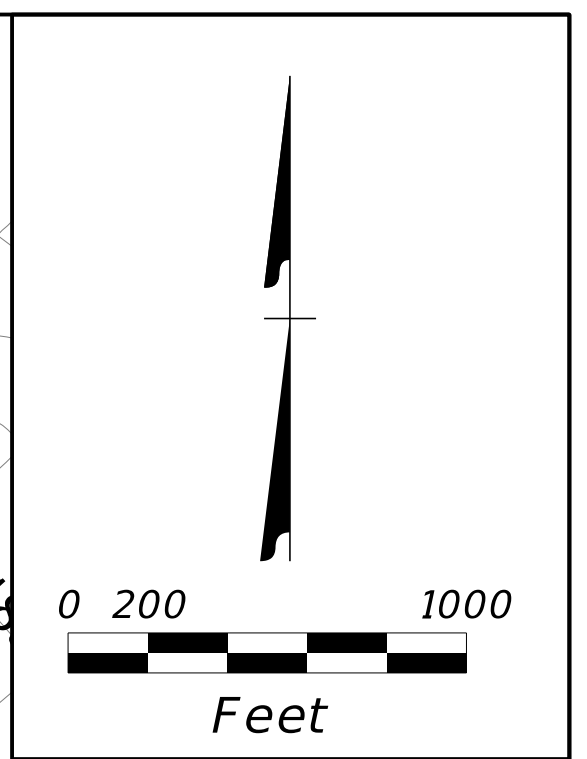
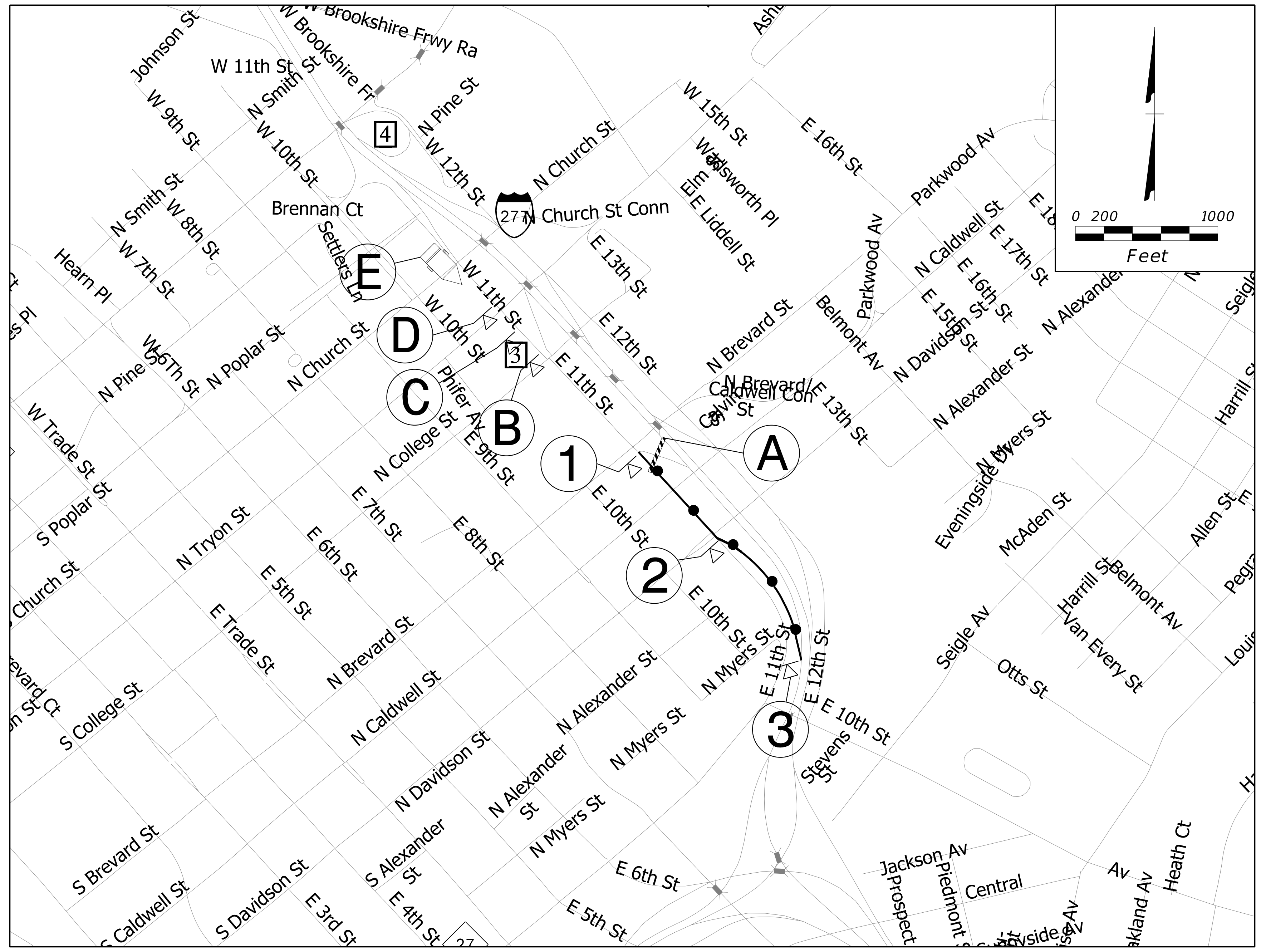


DocuSigned by:  
John P. Mazeres  
Professional Engineer  
SEAL 043935  
8/5/2021

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
WORK ZONE TRAFFIC CONTROL

### OFFSITE DETOUR 38 SIGNING AND ROAD CLOSURE SIGNING

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



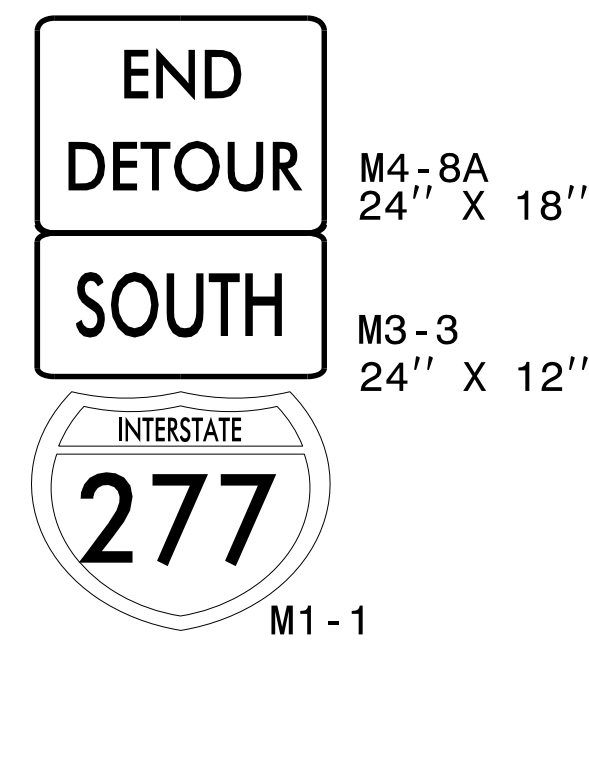
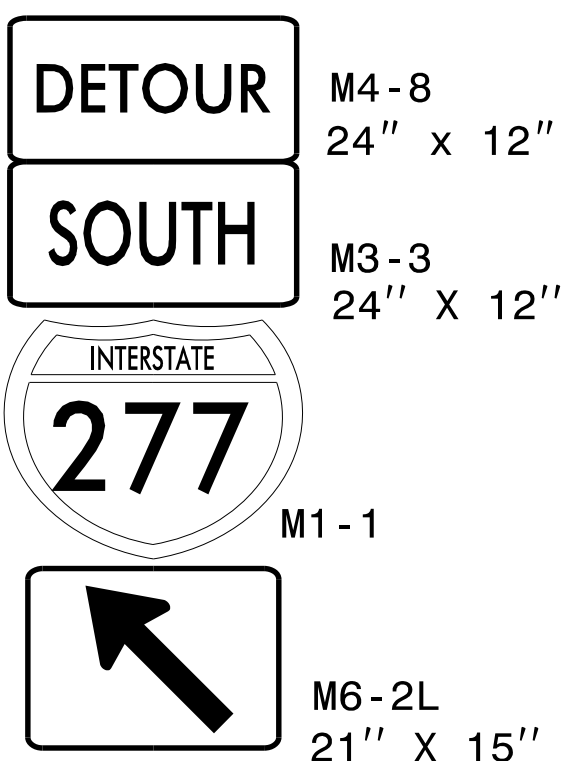
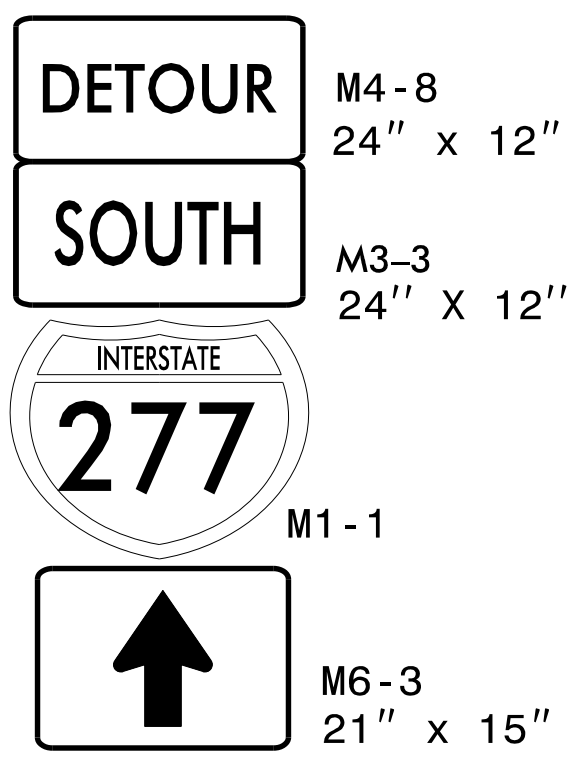
MESSAGE NO. 1	MESSAGE NO. 2
I - 277 SB ON RAMP CLOSED	FOLLOW I - 277 SB DETOUR

CHANGEABLE MESSAGE SIGN



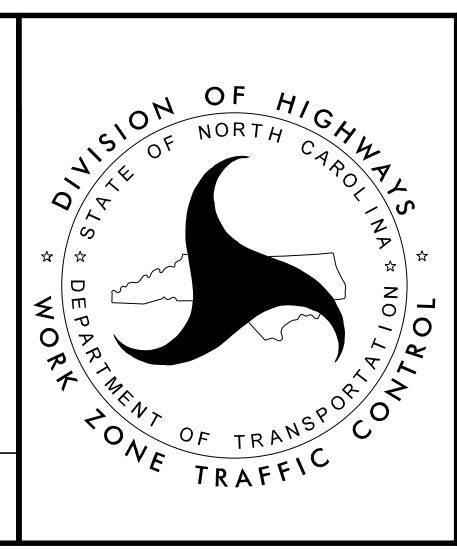
DETOUR DESCRIPTION:  
 E. 11TH ST TO I-277 SB ENTRANCE RAMP

NOTES:  
 TRAFFIC CONTROL DEVICES ① THRU ③ AND ④ THRU ⑥ SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.



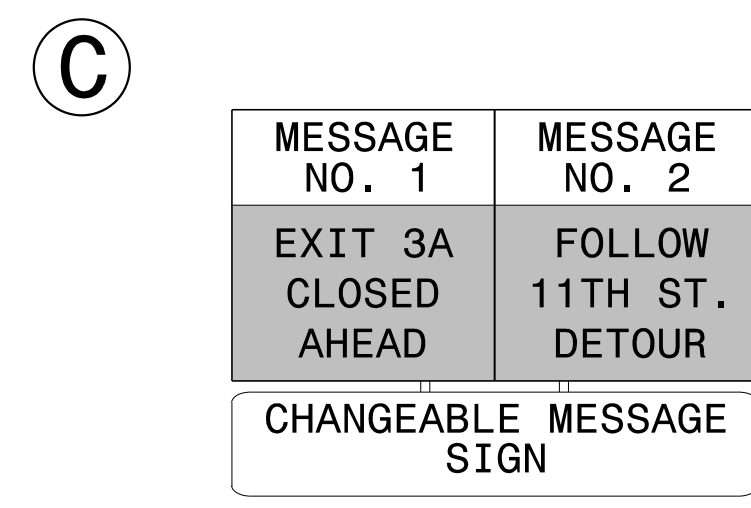
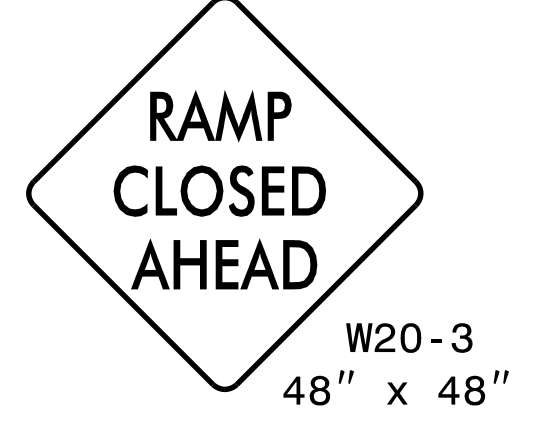
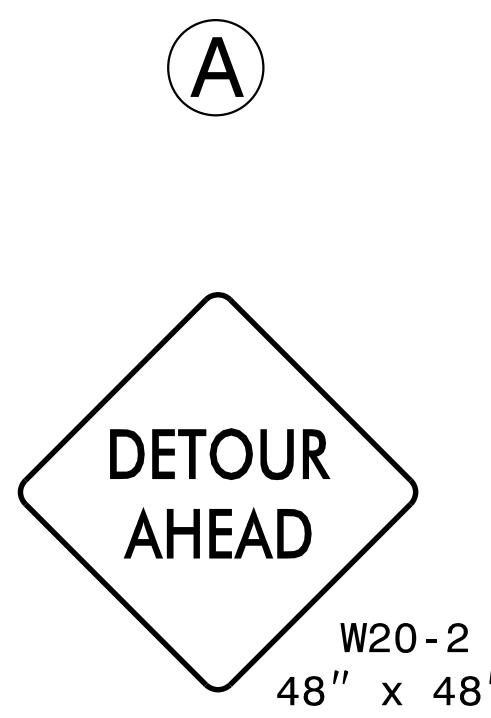
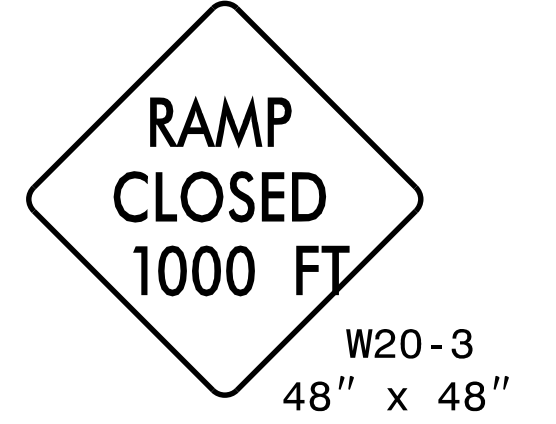
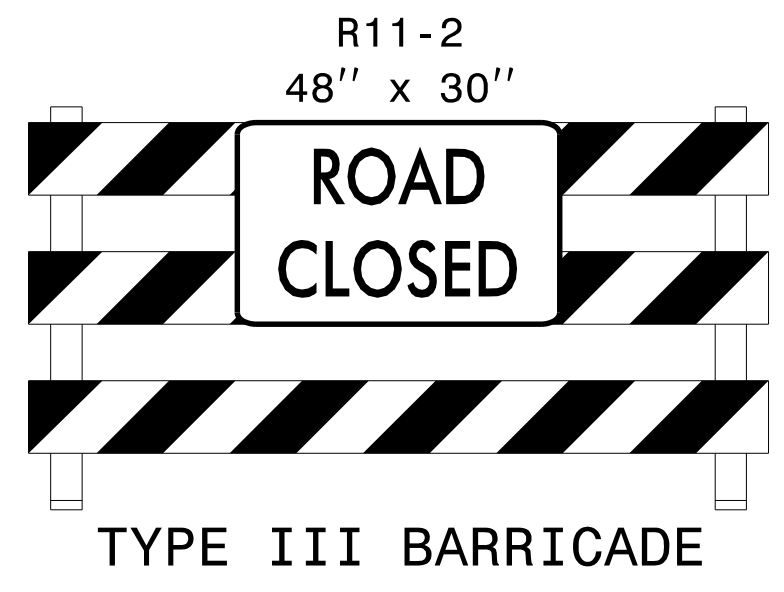
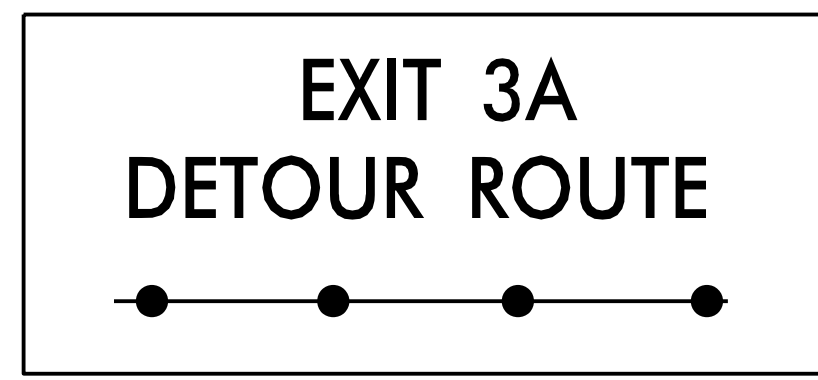
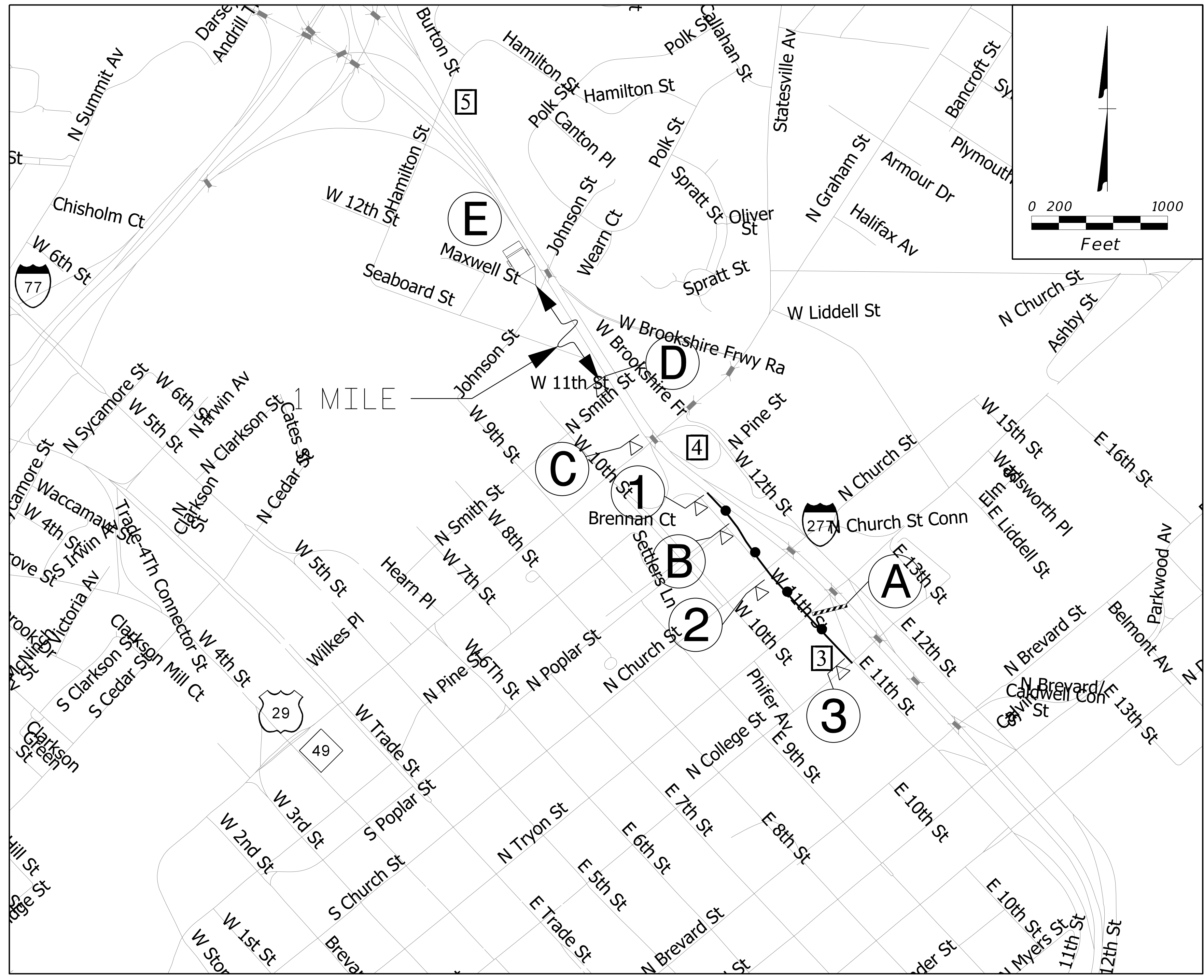
DocuSigned by:  
 John P. Mazeres, PE  
 PROFESSIONAL ENGINEER  
 SEAL 043935  
 JOHN P. MAZERES  
 8/5/2021

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 UNLESS ALL SIGNATURES COMPLETED**



**OFFSITE DETOUR 39  
 SIGNING AND ROAD  
 CLOSURE SIGNING**

8/5/2021 2:00:23 PM I-5-OFFSITE DETOUR 39 SIGNING AND ROAD CLOSURE SIGNING.dgn User: jduke

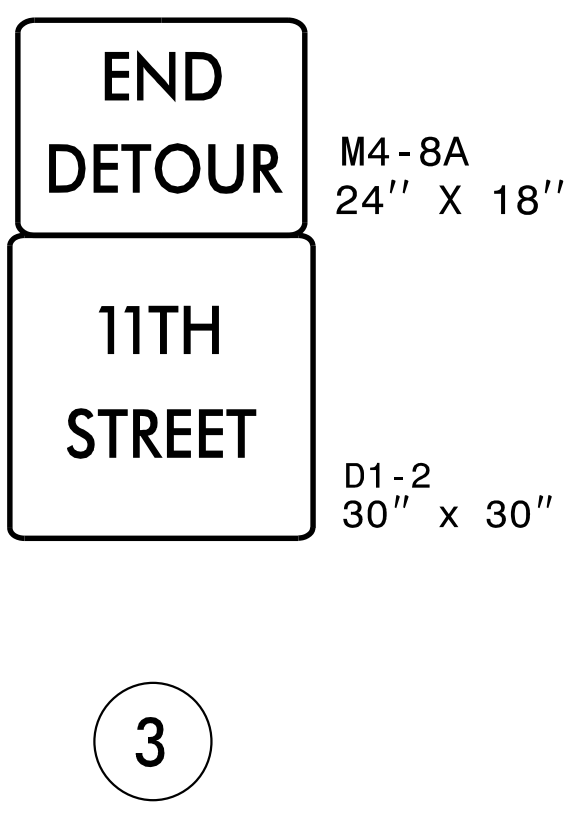
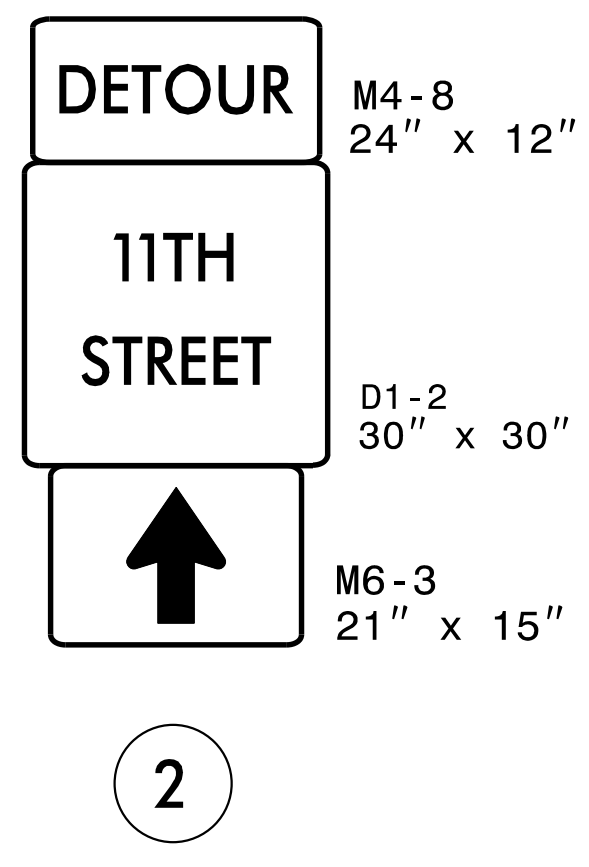
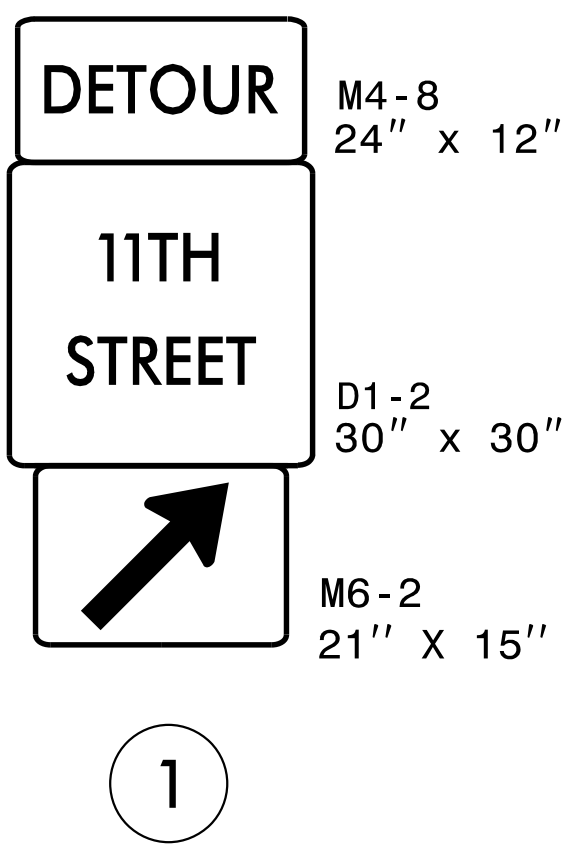


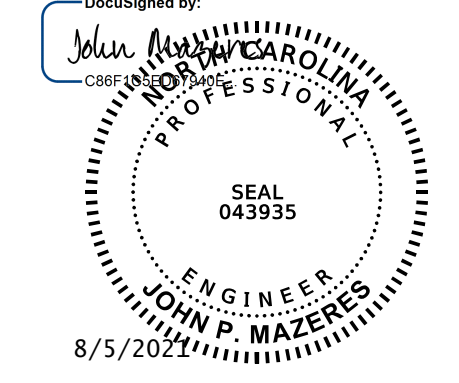
DETOUR DESCRIPTION:

I-277 SB EXIT 3B TO W. 11TH ST.

NOTES:

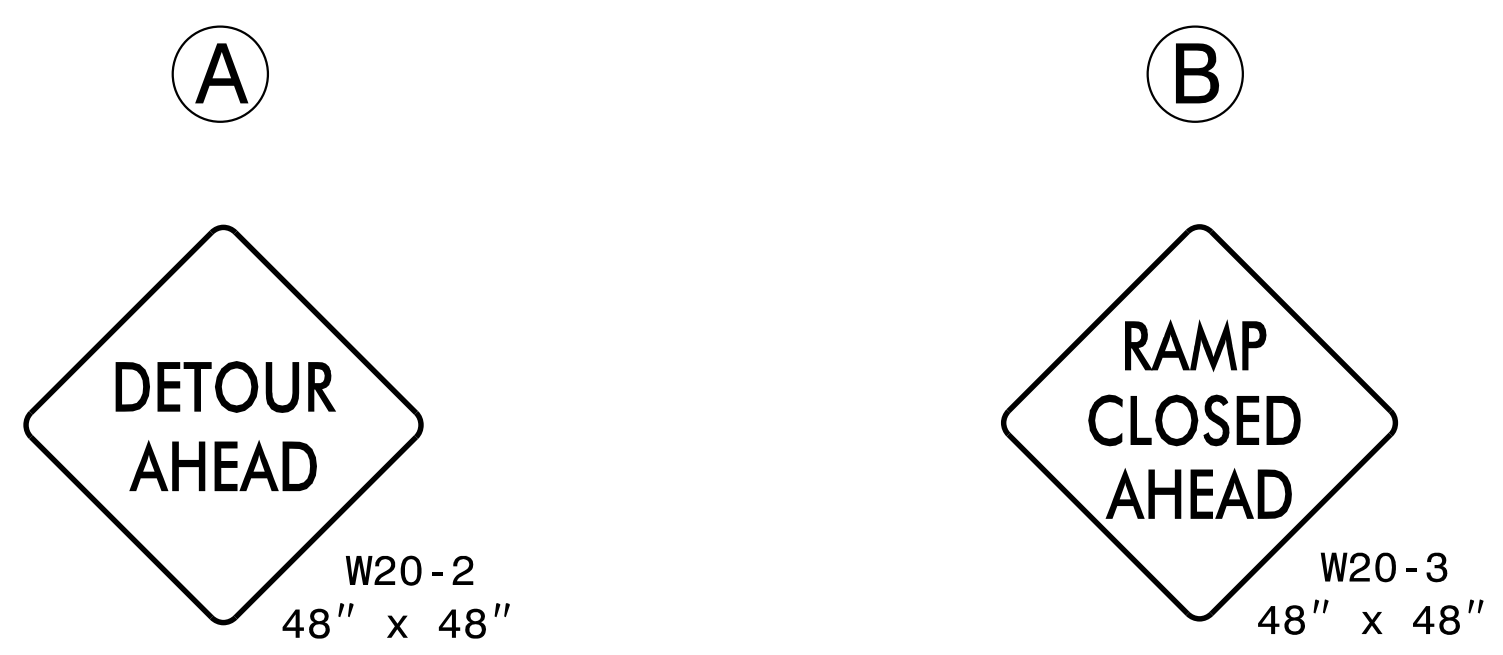
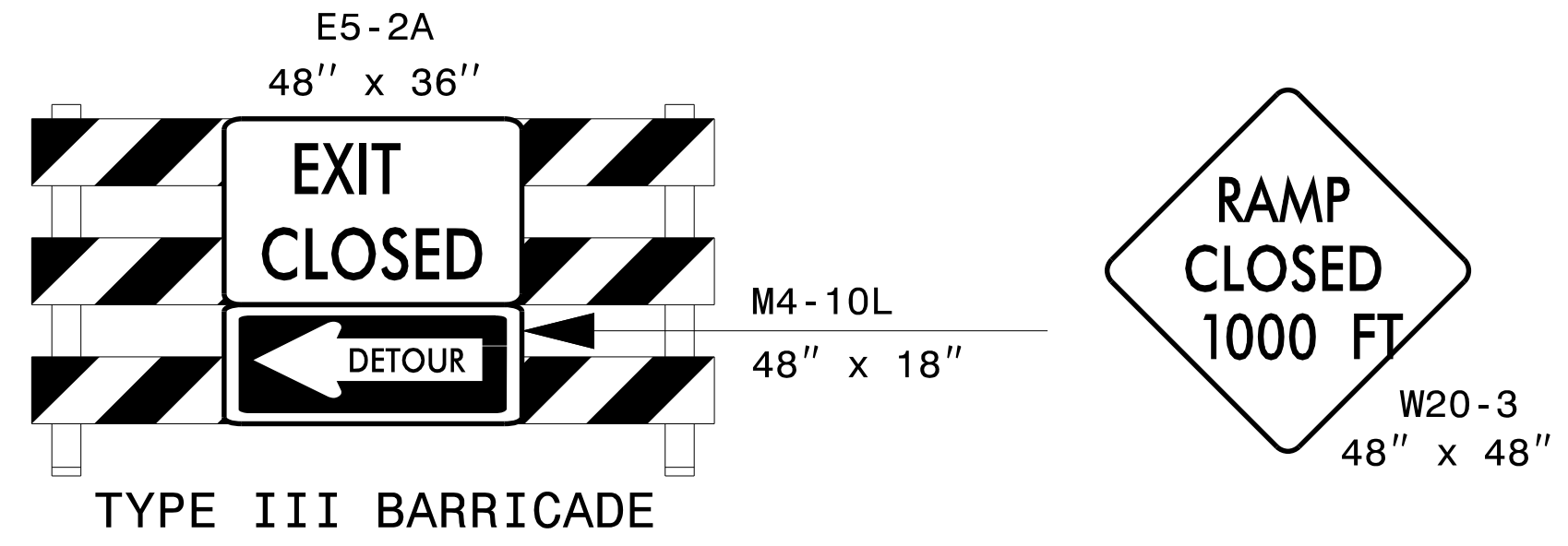
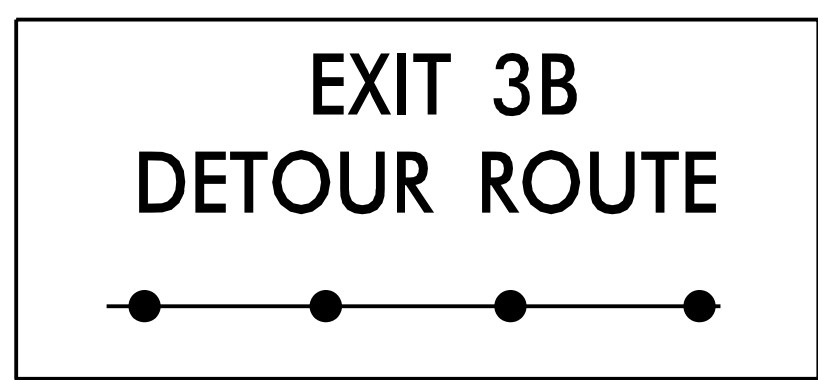
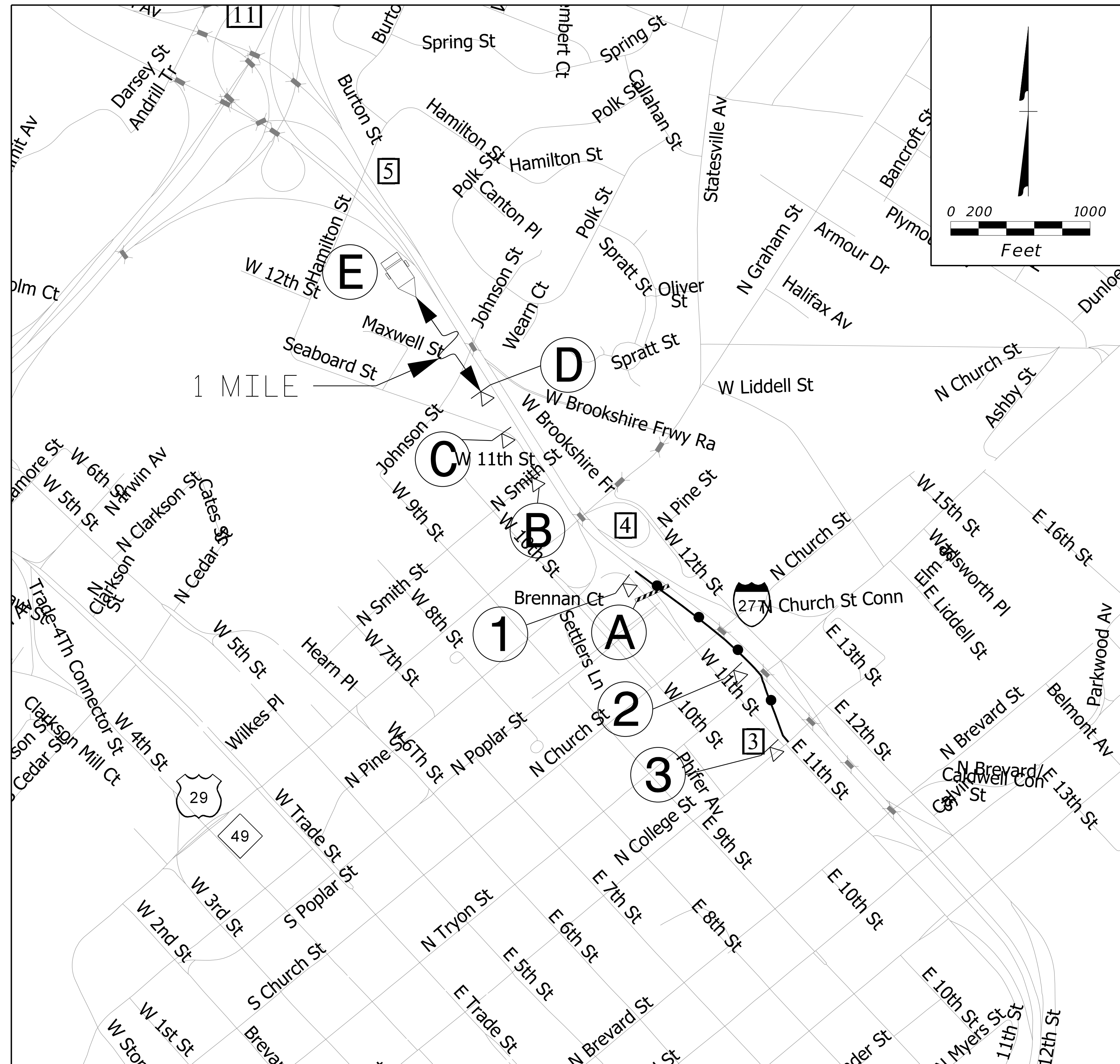
- TRAFFIC CONTROL DEVICES ① THRU ③ AND ①A THRU ①E SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.
- FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.



DocuSigned by:  
  
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

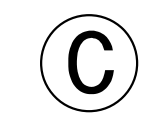
**OFFSITE DETOUR 40 SIGNING AND ROAD CLOSURE SIGNING**

8/5/2021 2:00:24 PM I-277-16-OFFSITE DETOUR 40 SIGNING AND ROAD CLOSURE SIGNING.dgn User: jduke



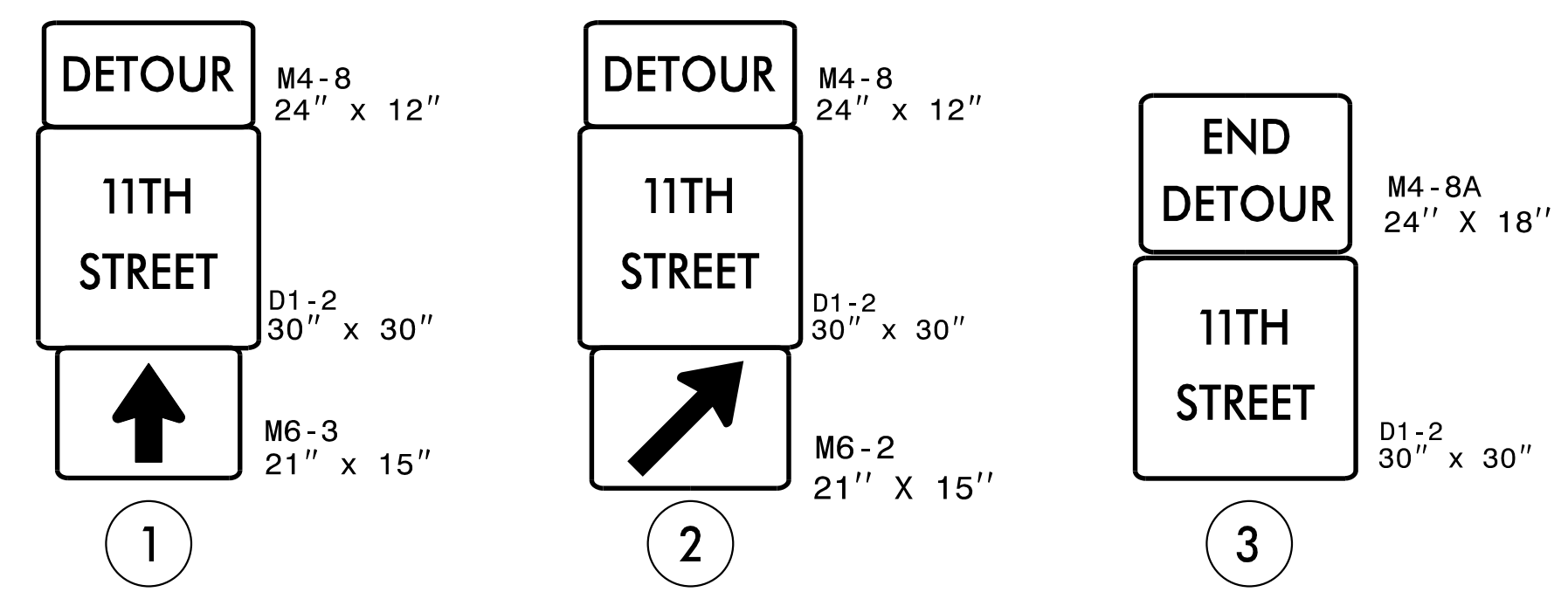
MESSAGE NO. 1	MESSAGE NO. 2
EXIT 3B CLOSED AHEAD	FOLLOW 11TH ST. DETOUR

CHANGEABLE MESSAGE SIGN

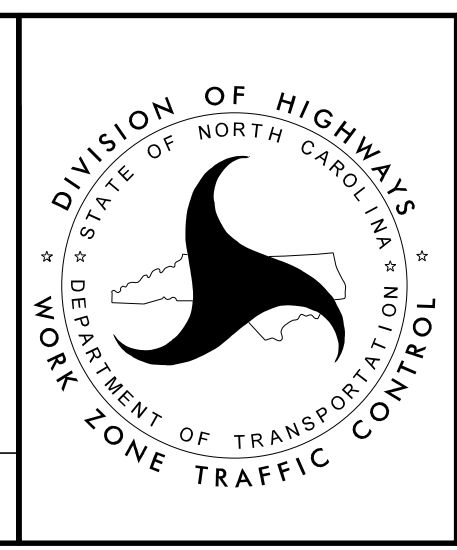


**DETOUR DESCRIPTION:**  
 I-277 SB EXIT 3A TO E. 11TH ST.

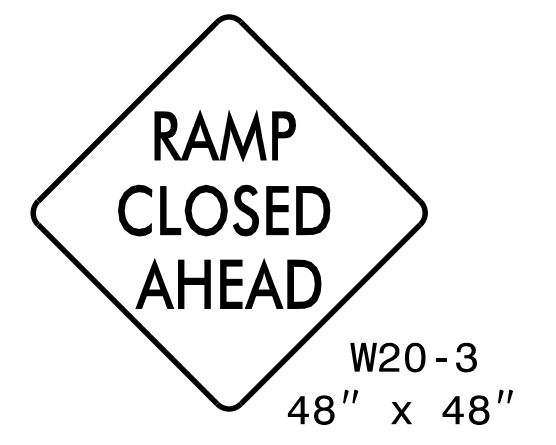
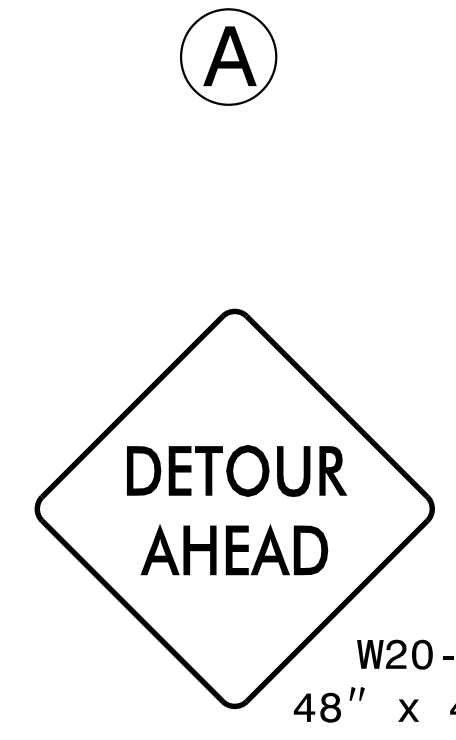
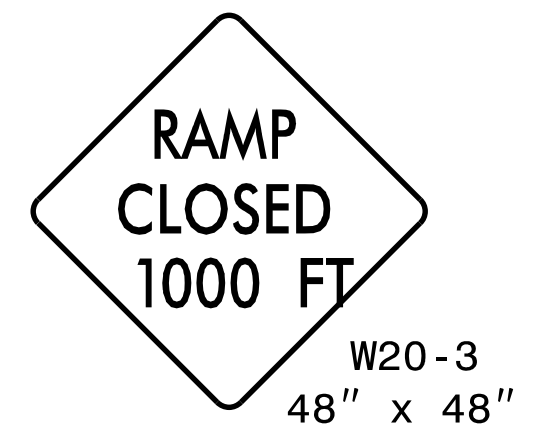
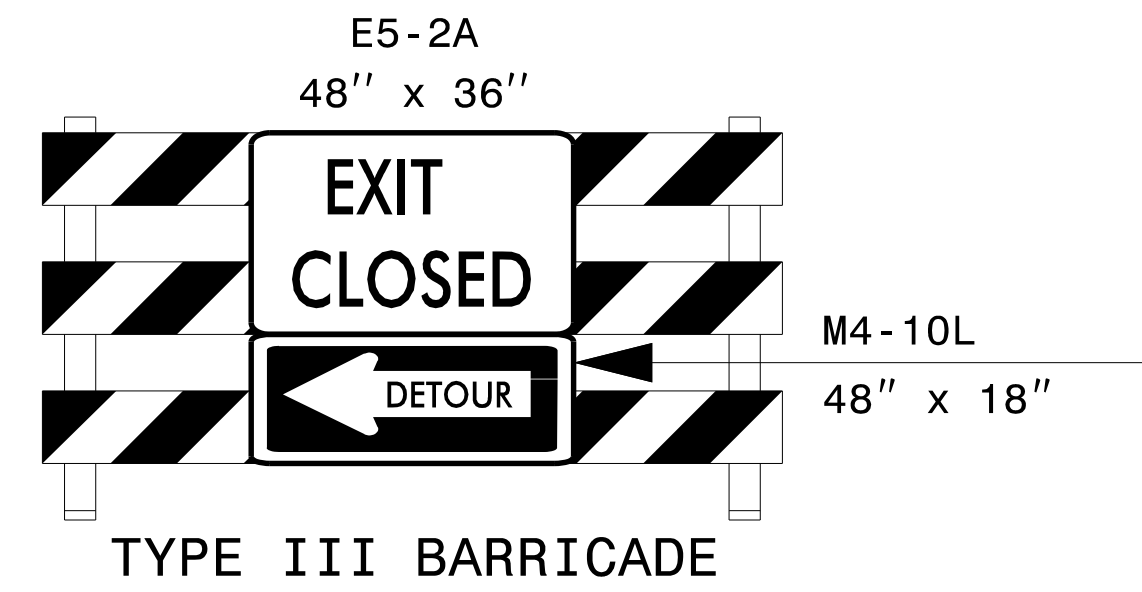
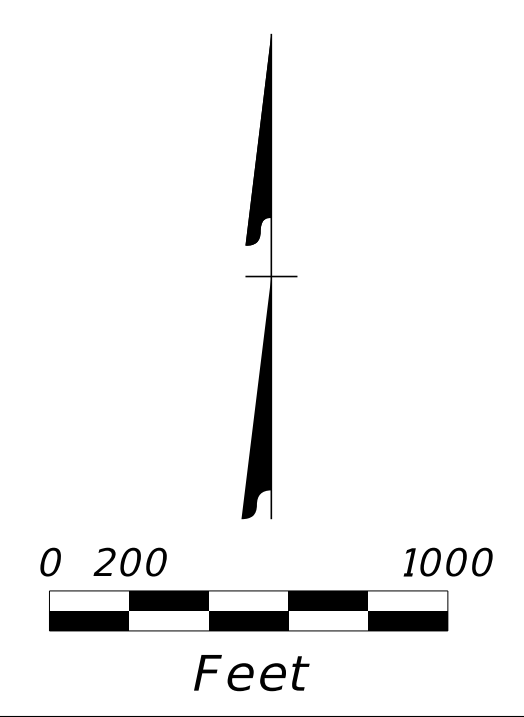
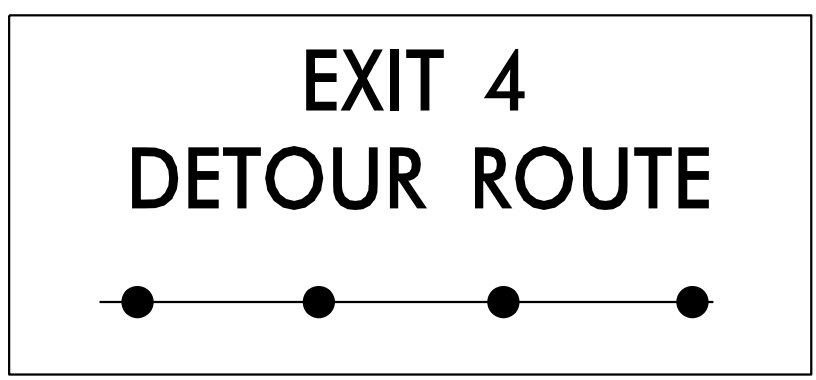
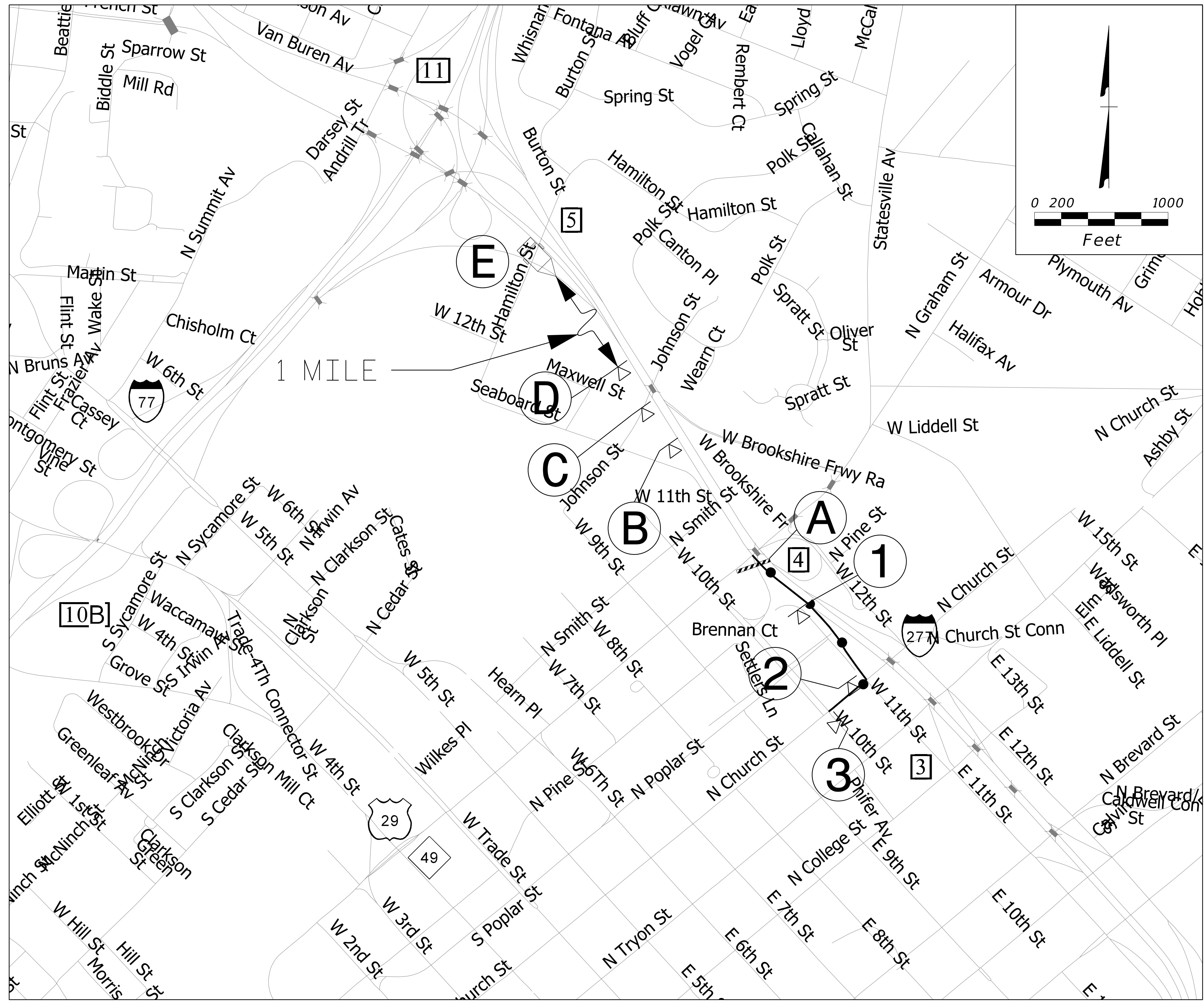
- NOTES:**
1. TRAFFIC CONTROL DEVICES ① THRU ③ AND ④ THRU ⑤ SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.
  2. FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.



DocuSigned by:  
 John P. Mazeres, PE  
 PROFESSIONAL ENGINEER  
 SEAL 043935  
 JOHN P. MAZERES  
 8/5/2021



**OFFSITE DETOUR 41  
 SIGNING AND ROAD  
 CLOSURE SIGNING**



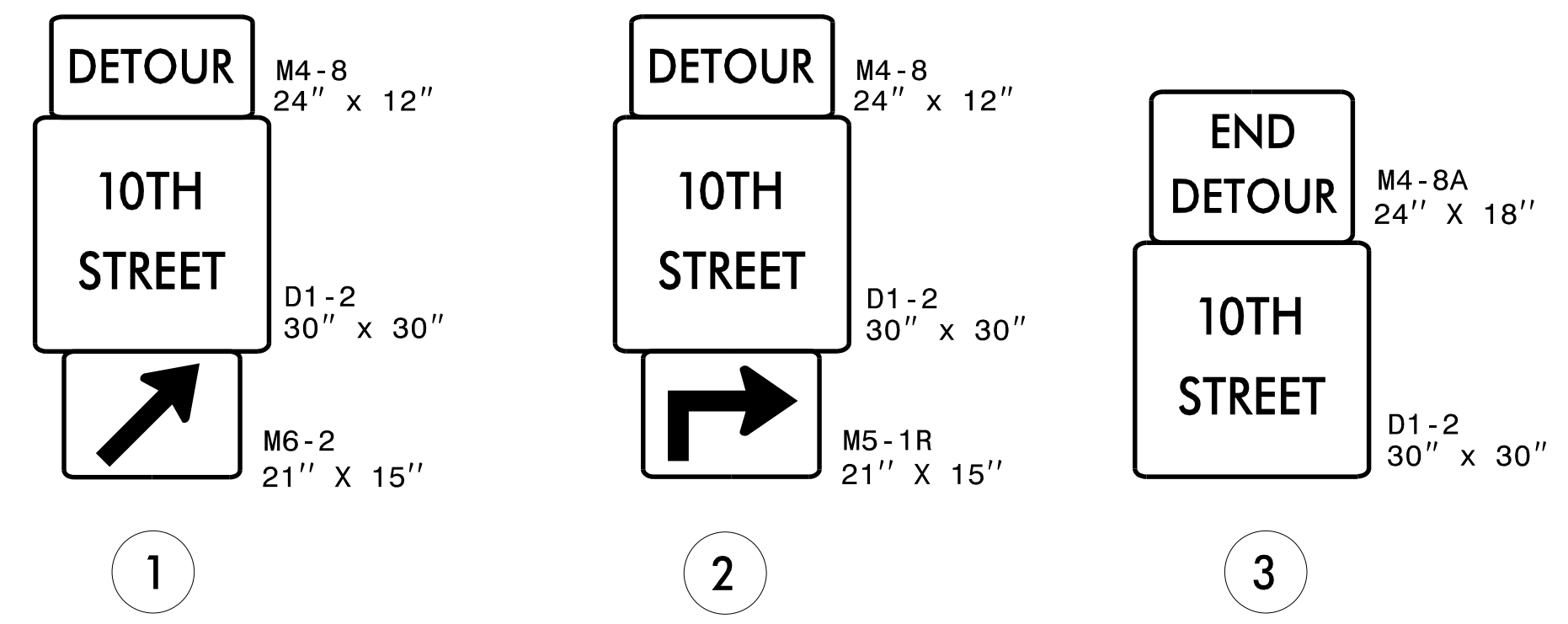
MESSAGE NO. 1	MESSAGE NO. 2
EXIT 4 CLOSED AHEAD	FOLLOW 10TH ST. DETOUR
CHANGEABLE MESSAGE SIGN	

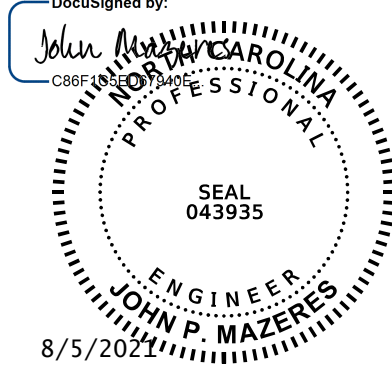
**DETOUR DESCRIPTION:**

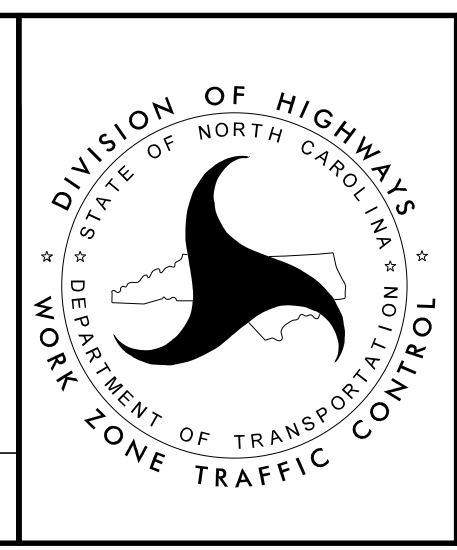
I-277 SB EXIT 3B TO W. 11TH ST. TO N. CHURCH ST. TO W. 10TH ST.

**NOTES:**

1. TRAFFIC CONTROL DEVICES ① THRU ③ AND ①A THRU ①E SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.
2. FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.

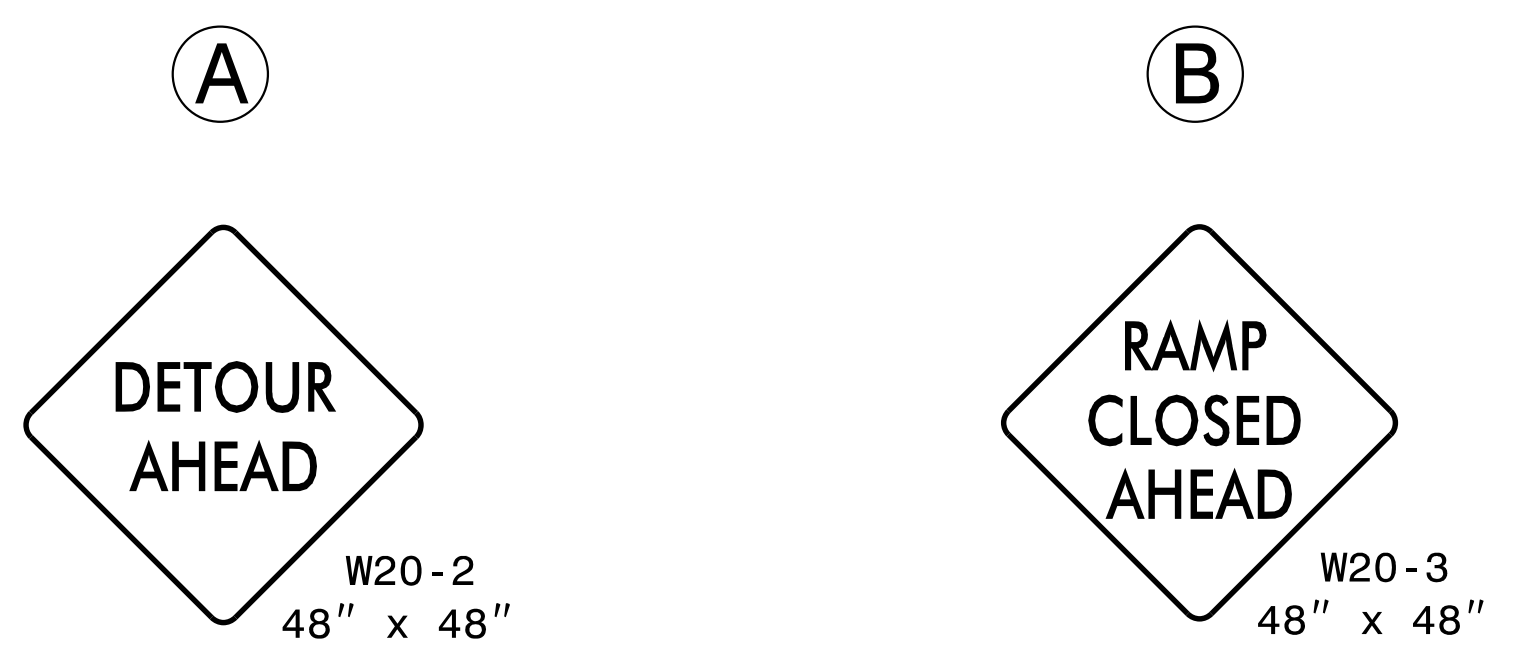
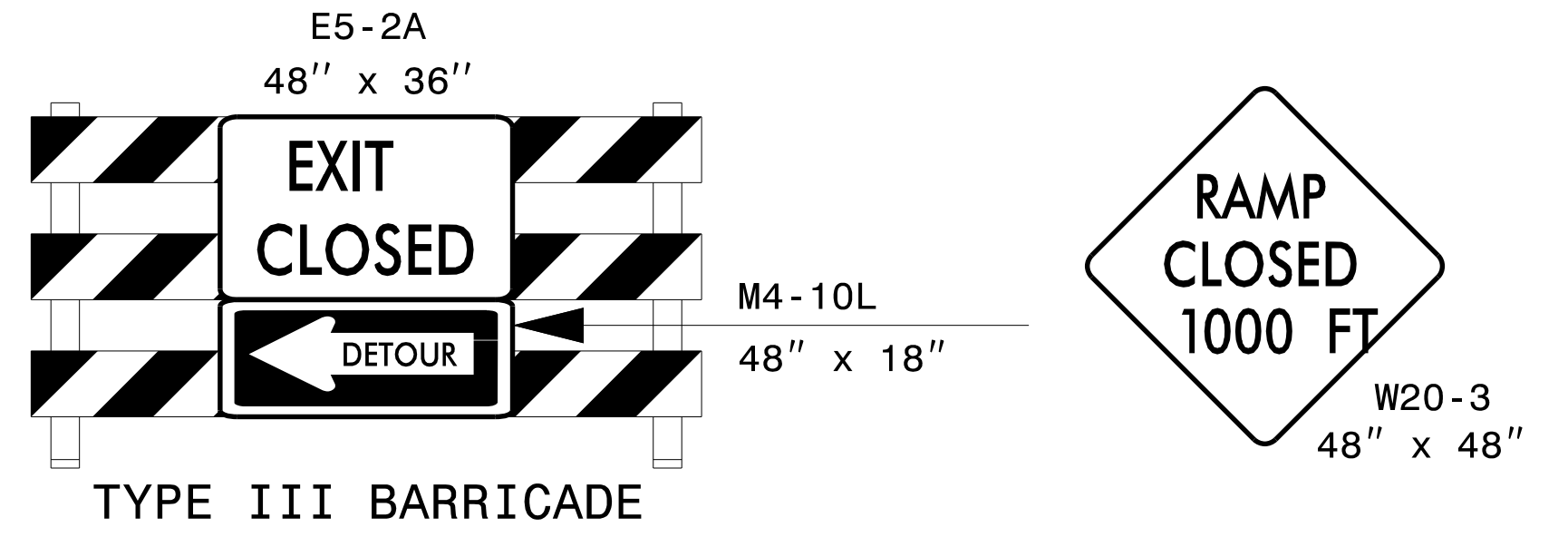
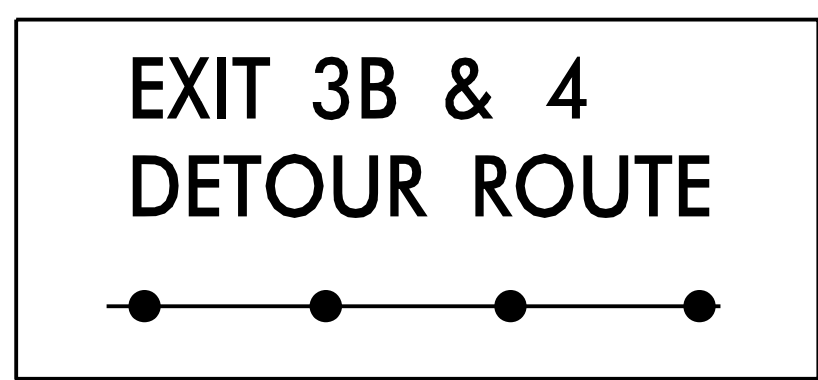
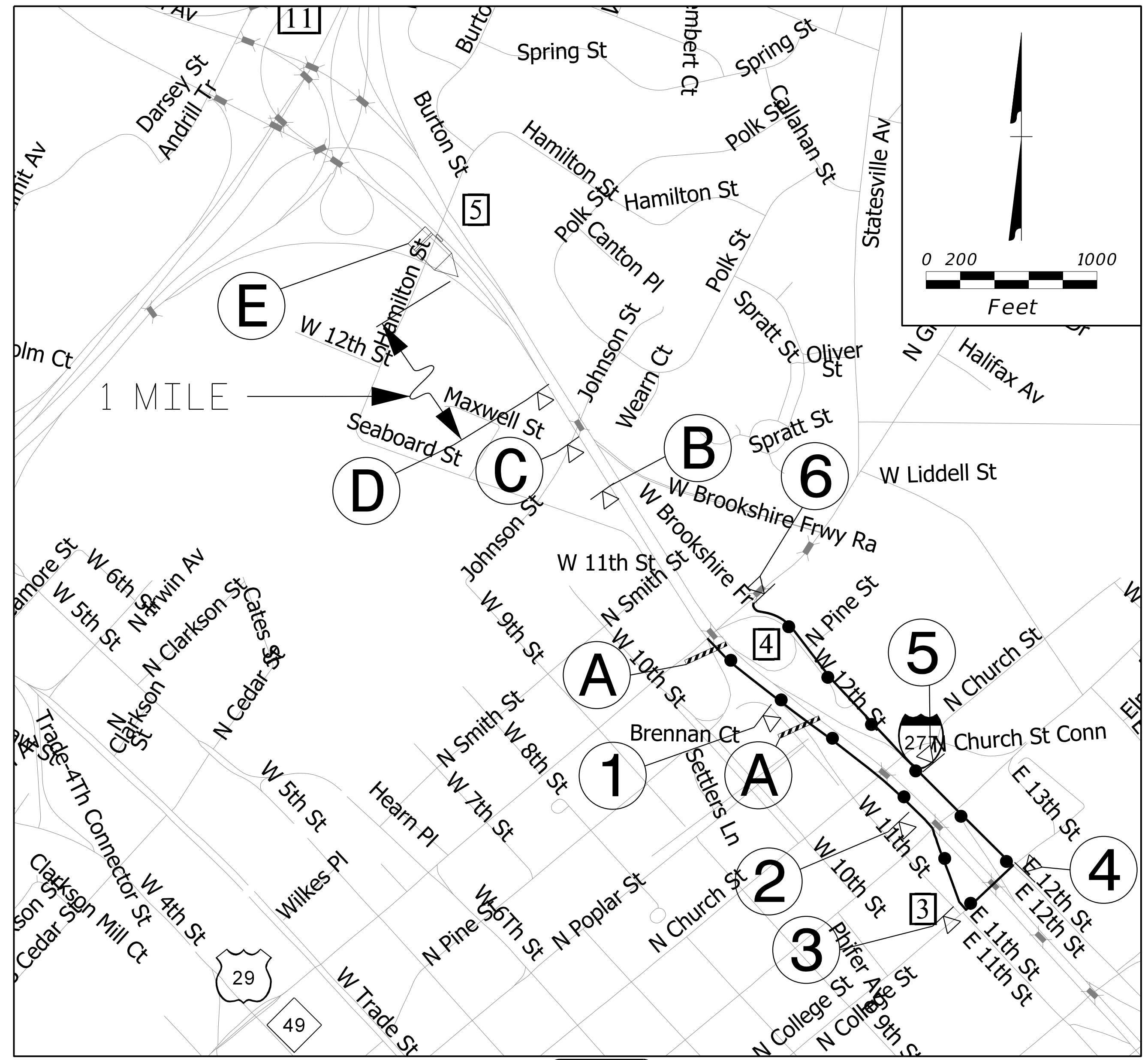


DocuSigned by:  
  
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**



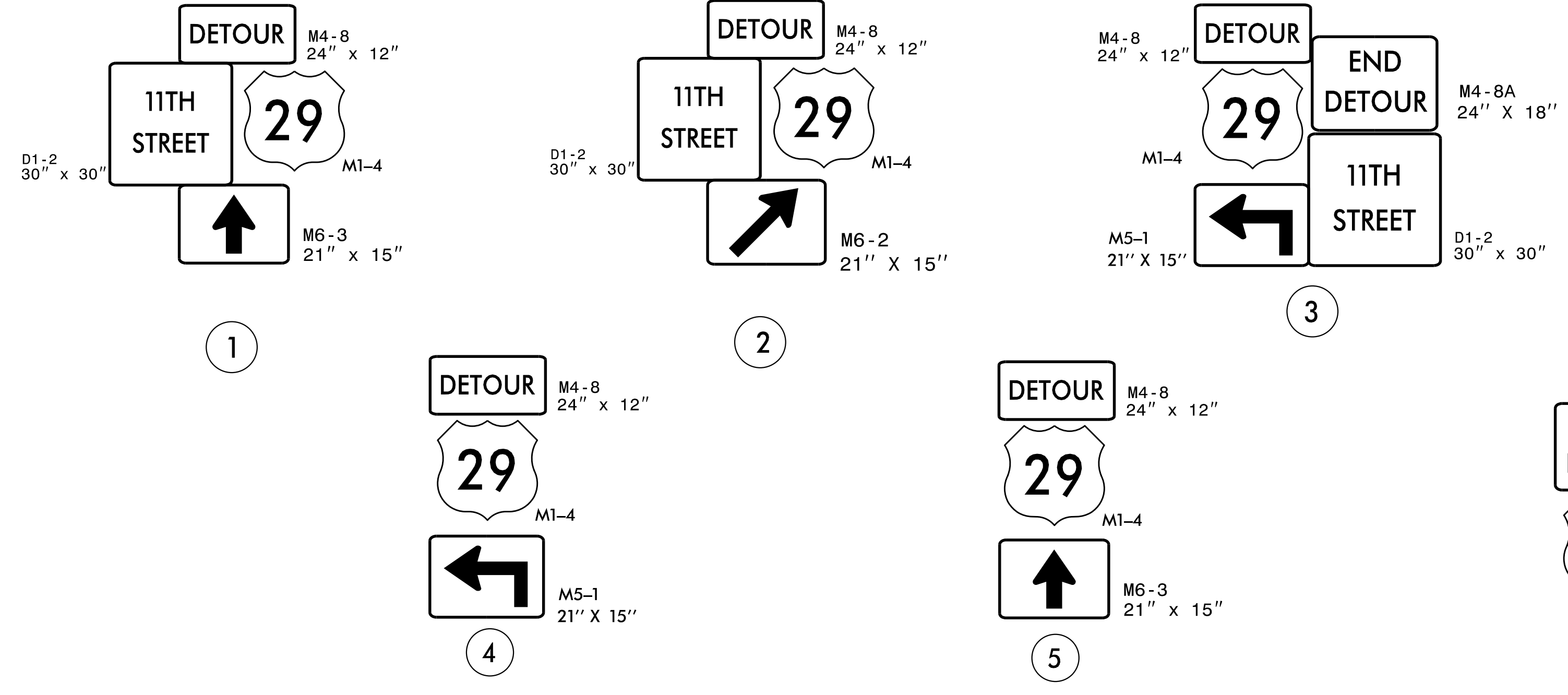
**OFFSITE DETOUR 42 SIGNING AND ROAD CLOSURE SIGNING**

8/5/2021 2:00:26 PM I-5746E\_TMP-18-OFFSITE DETOUR 42 SIGNING AND ROAD CLOSURE SIGNING.dgn User: jduke



MESSAGE NO. 1	MESSAGE NO. 2
EXT 3B&4 CLOSED AHEAD	FOLLOW DETOUR SIGNS

CHANGEABLE MESSAGE SIGN



DETOUR DESCRIPTIONS:

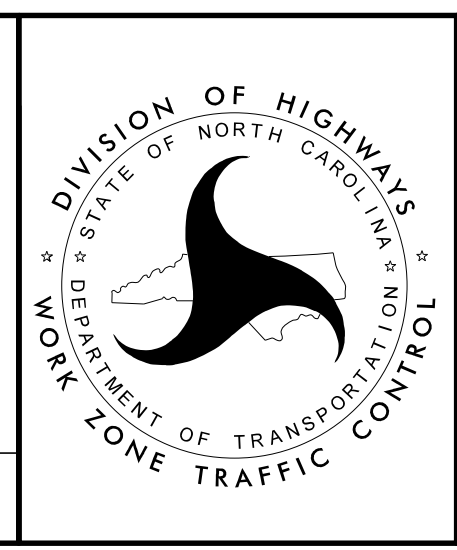
DETOUR 41: I-277 SB EXIT 3A TO E. 11TH ST.  
 DETOUR 42: I-277 SB EXIT 3A TO N. COLLEGE ST. TO E. 12TH ST. TO GRAHAM/US-29

NOTES:

1. TRAFFIC CONTROL DEVICES ① THRU ⑥ AND ①A THRU ①E SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.
2. FOR DETOUR DESTINATION SIGNS, SEE SIGN DETAIL SHEETS.

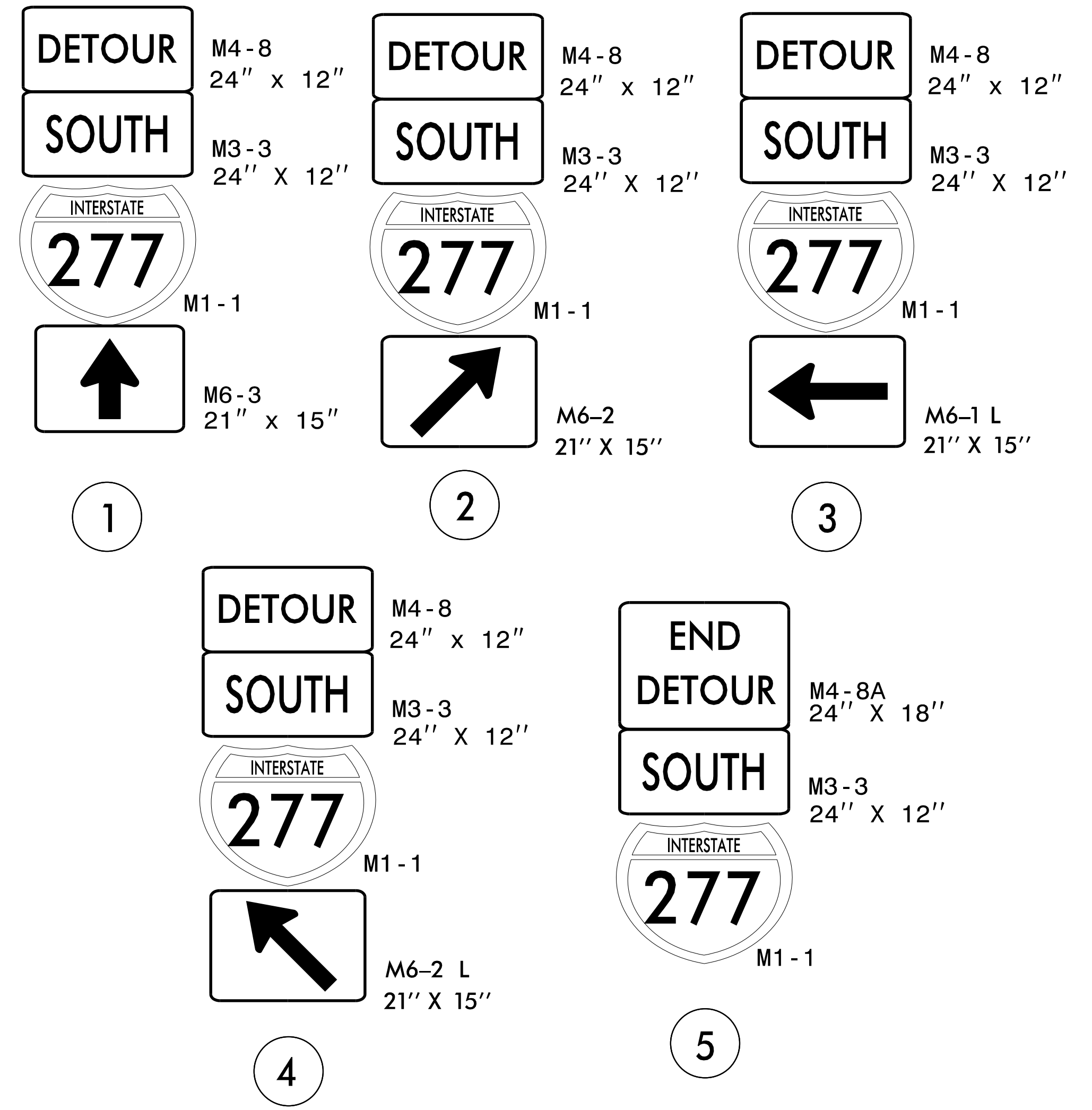
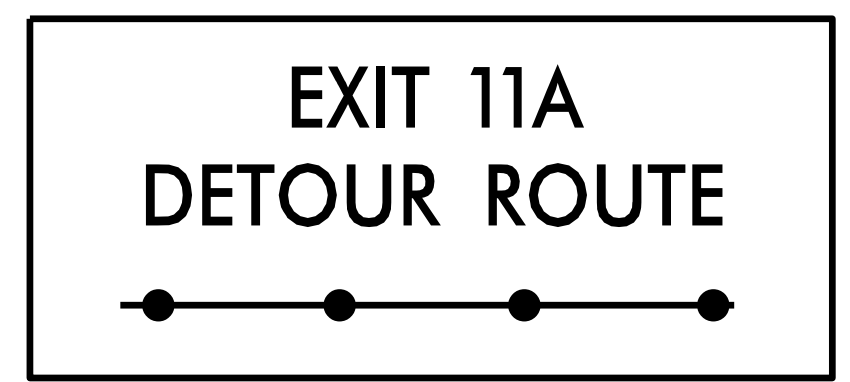
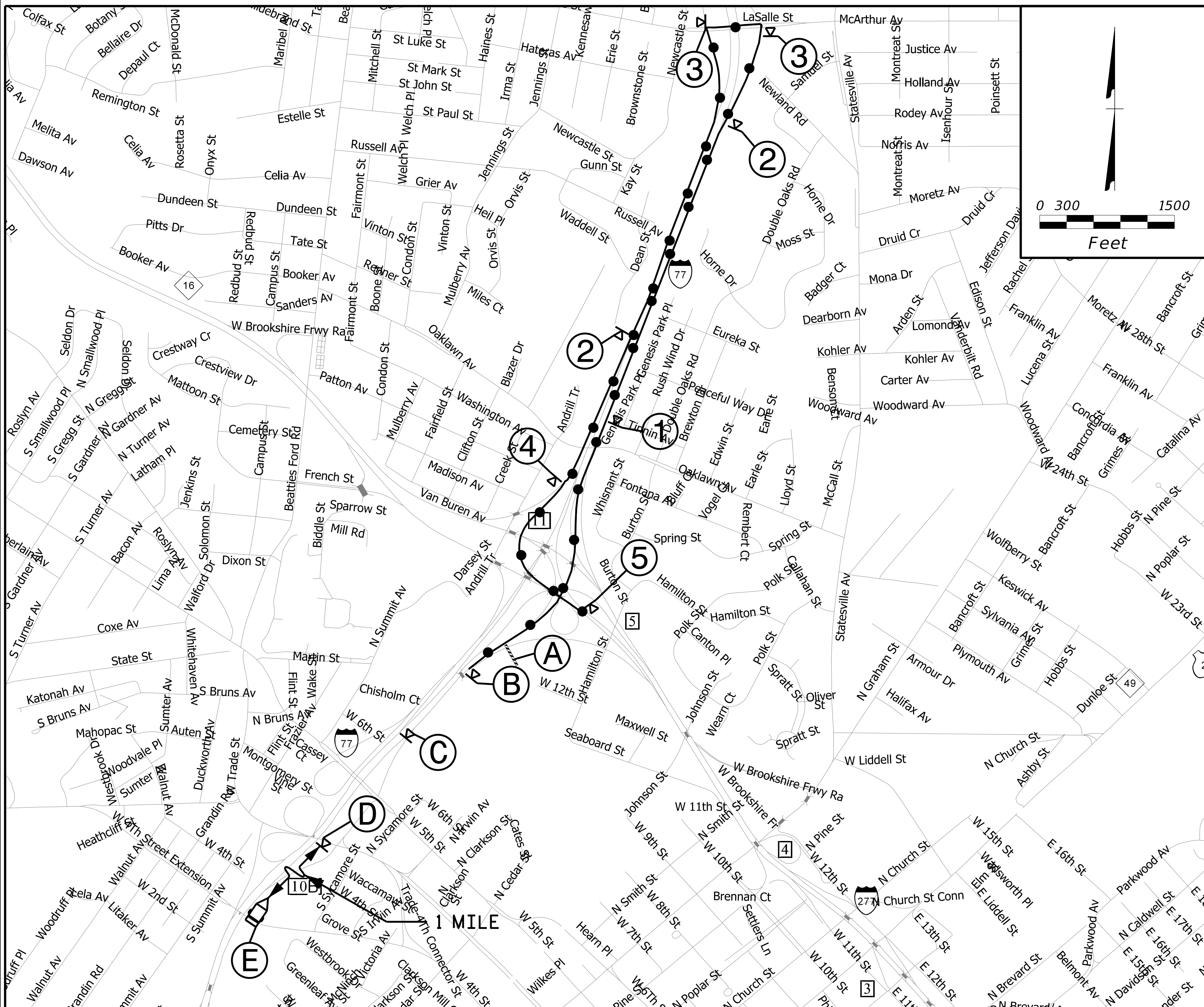
DocuSigned by:  
 John P. Mazeres  
 PROFESSIONAL ENGINEER  
 SEAL 043935  
 JOHN P. MAZERES  
 8/5/2021

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED



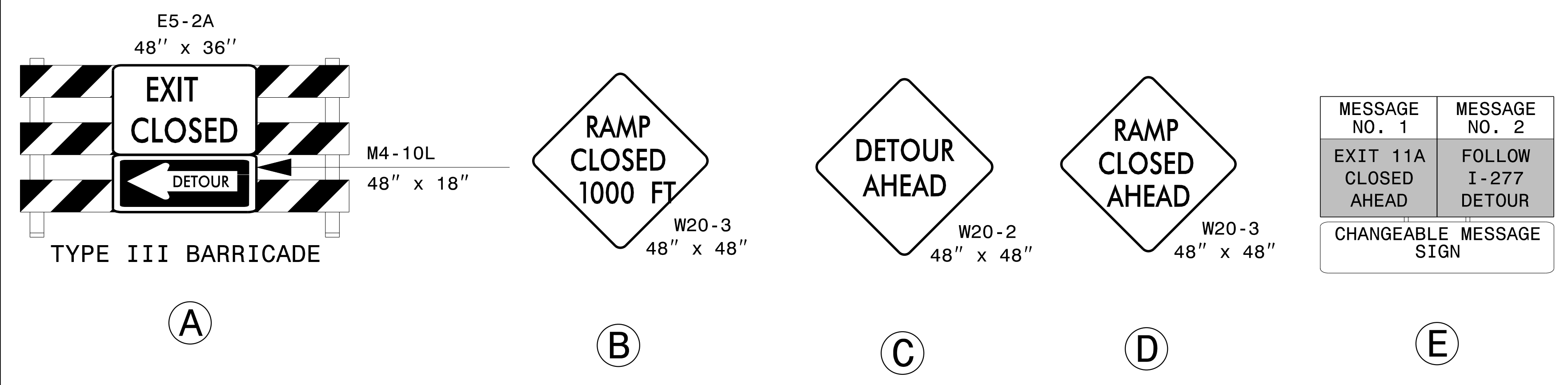
**OFFSITE DETOUR  
 41 & 42 ALT.  
 SIGNING AND ROAD  
 CLOSURE SIGNING**



8/5/2021 2:00:27 PM I-5746E-TMP-19-OFFSITE DETOUR 41 & 42 ALT. SIGNING AND ROAD CLOSURE SIGNING.dgn User:tduke



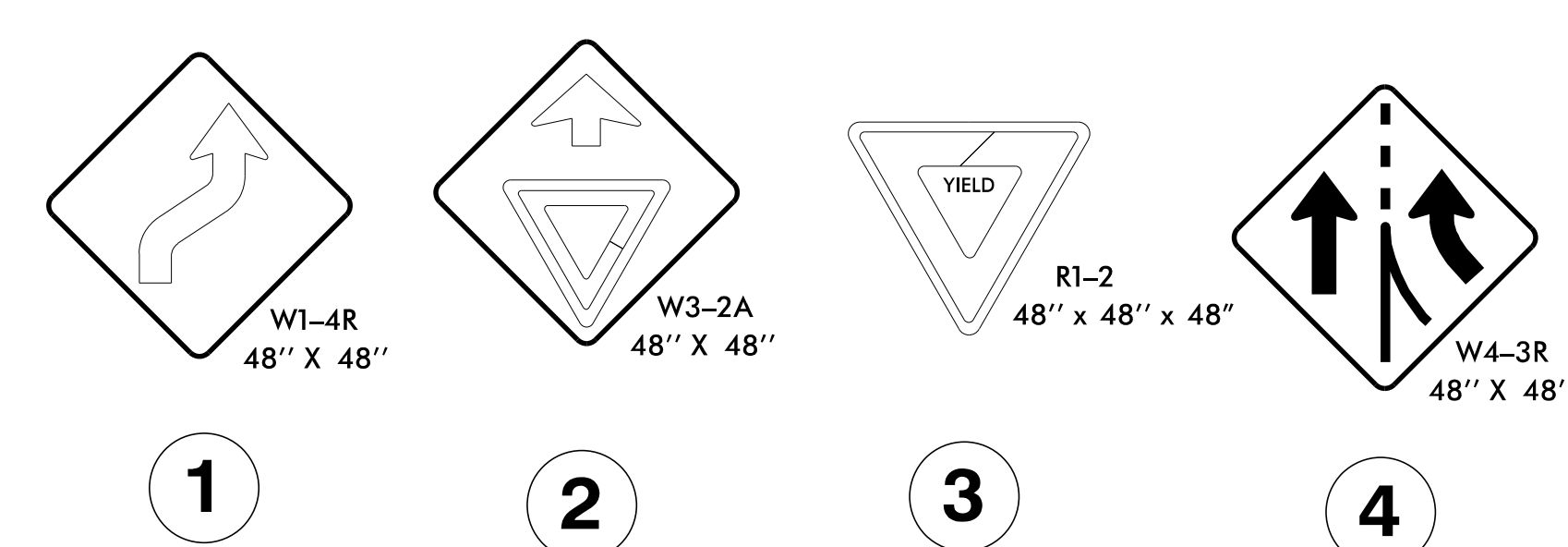
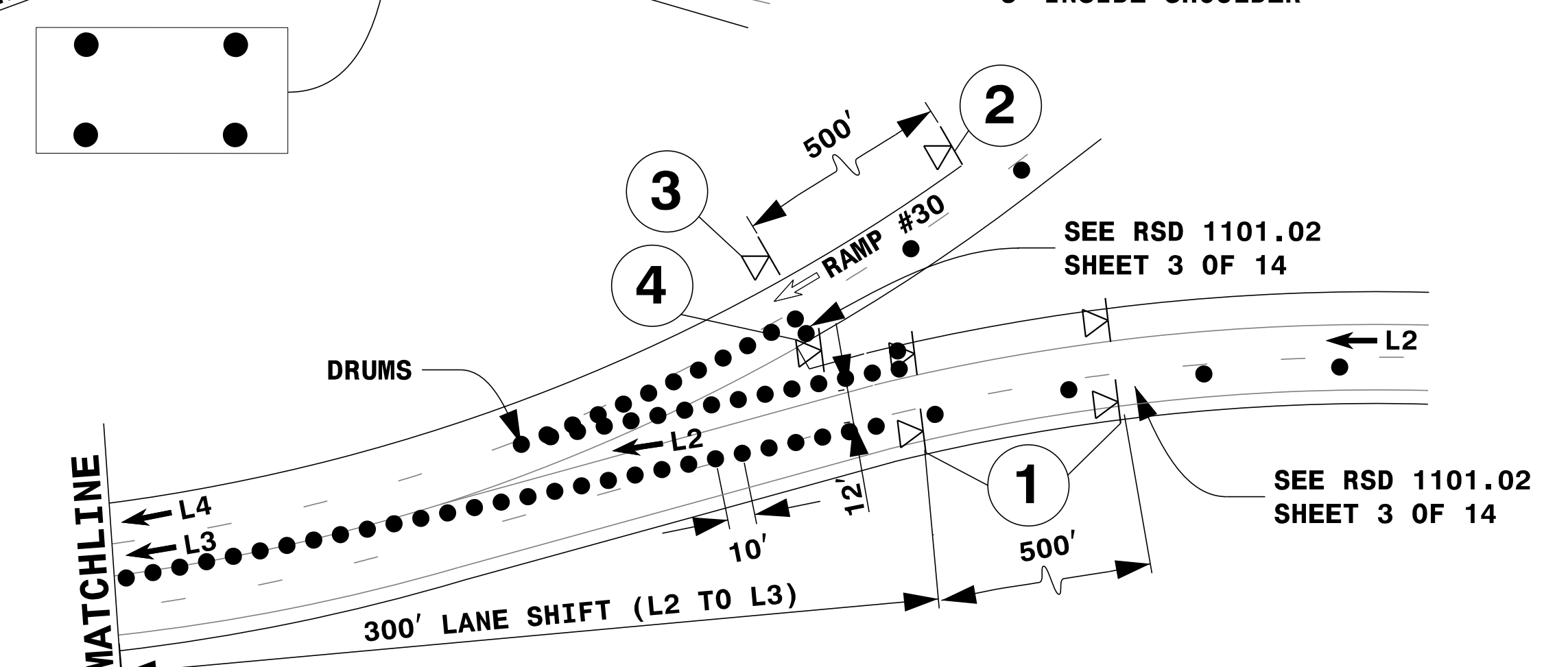
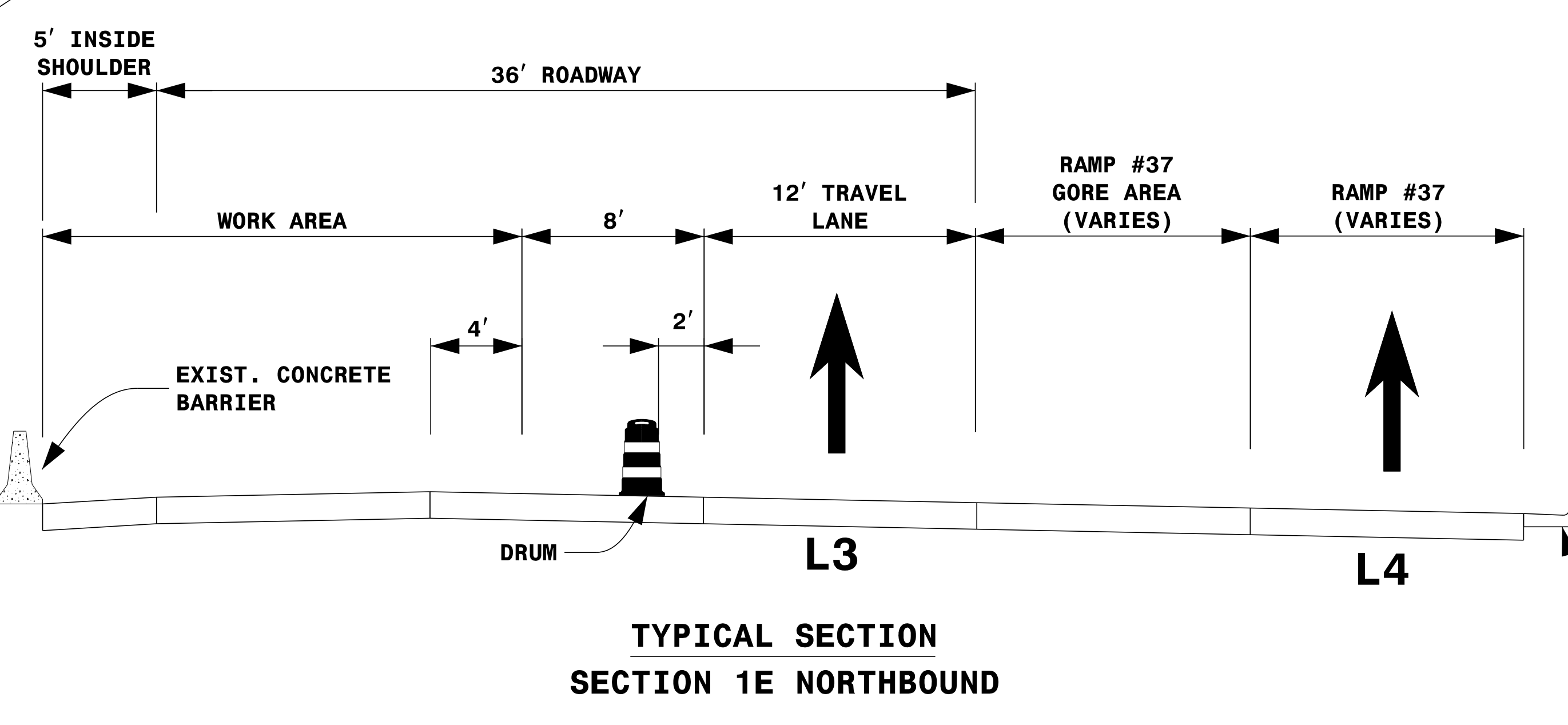
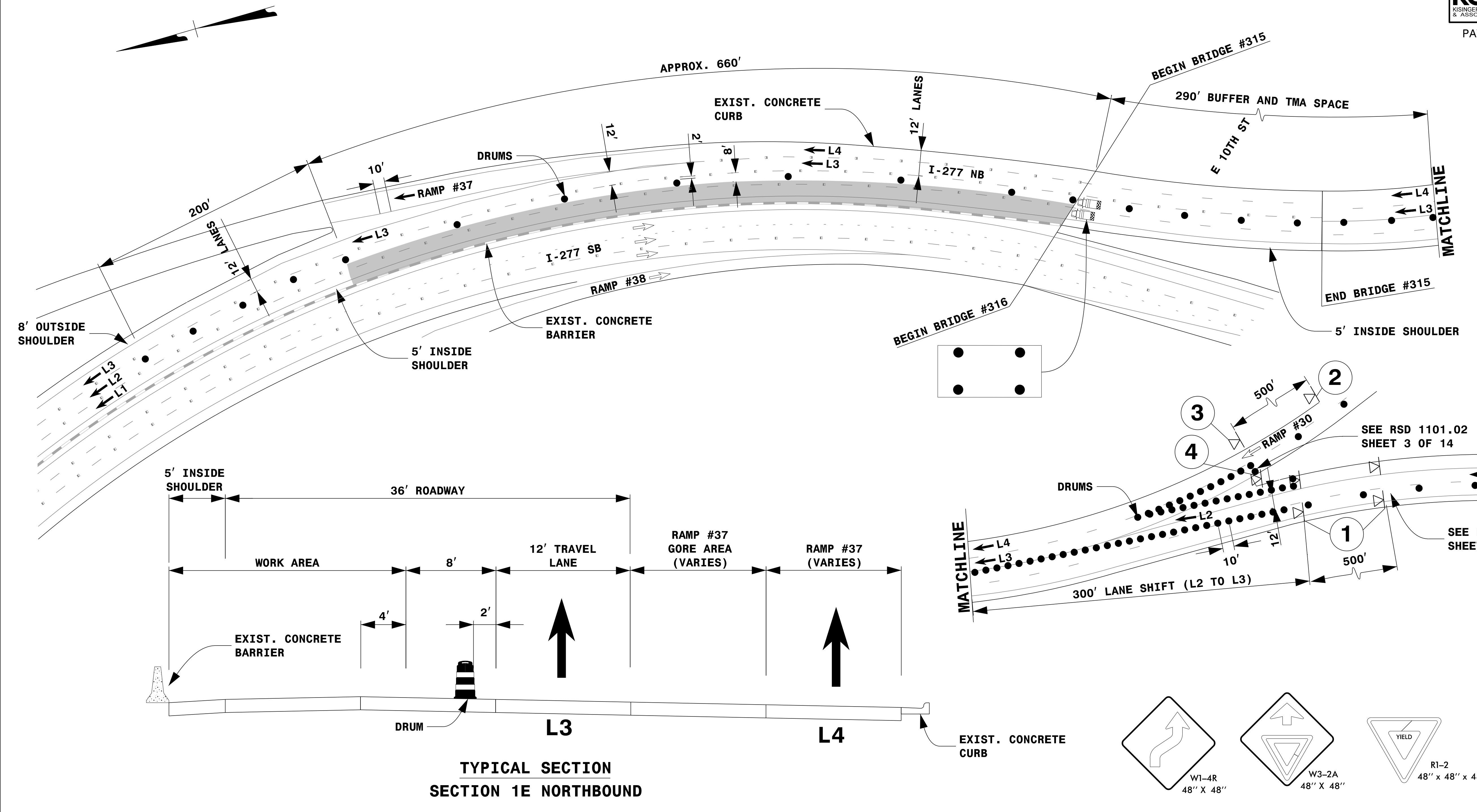
**DETOUR DESCRIPTION:**  
 I-77 NB EXIT 12 TO LASALLE ST. TO I-77 SB TO I-77SB EXIT 11A TO I-277 SB


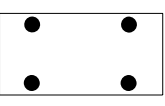
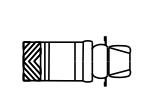



**NOTES:**  
 1. TRAFFIC CONTROL DEVICES ① THRU ⑤ AND ①A THRU ①E SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.



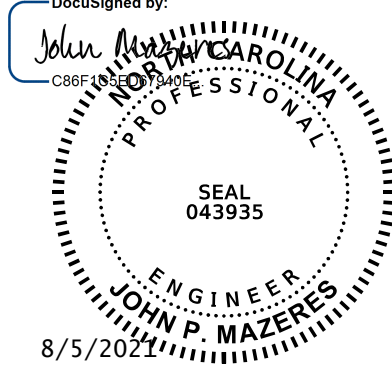
 <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<p><b>OFFSITE DETOUR</b>  <b>I-77 RAMP</b>  <b>TO I-277 SB</b>  <b>SIGNING AND ROAD</b>  <b>CLOSURE SIGNING</b></p>
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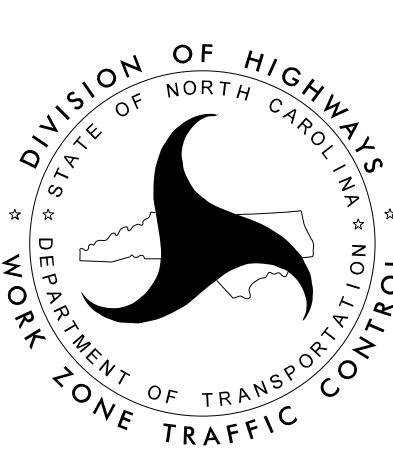
8/5/2021 2:00:28 PM I-277 SB SIGNING AND ROAD CLOSURE SIGNING.dgn User:tduke



LEGEND	
	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

- NOTES:**
1. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH RSD 1101.02 SHEET 3 OF 14.
  2. FOR ENTRANCE AND EXIT RAMPS SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  3. FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  4. SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  5. TRAFFIC CONTROL DEVICES ① THRU ④ SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
  
 8/5/2021

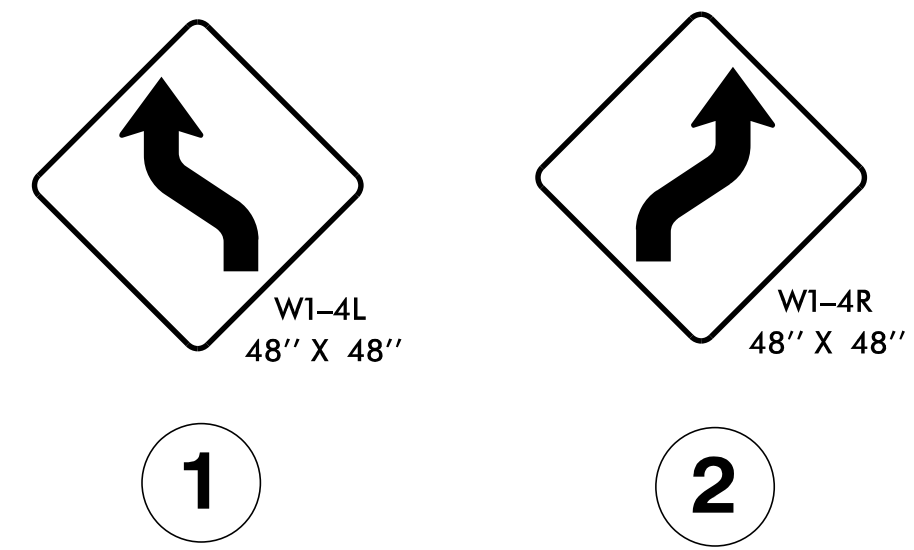
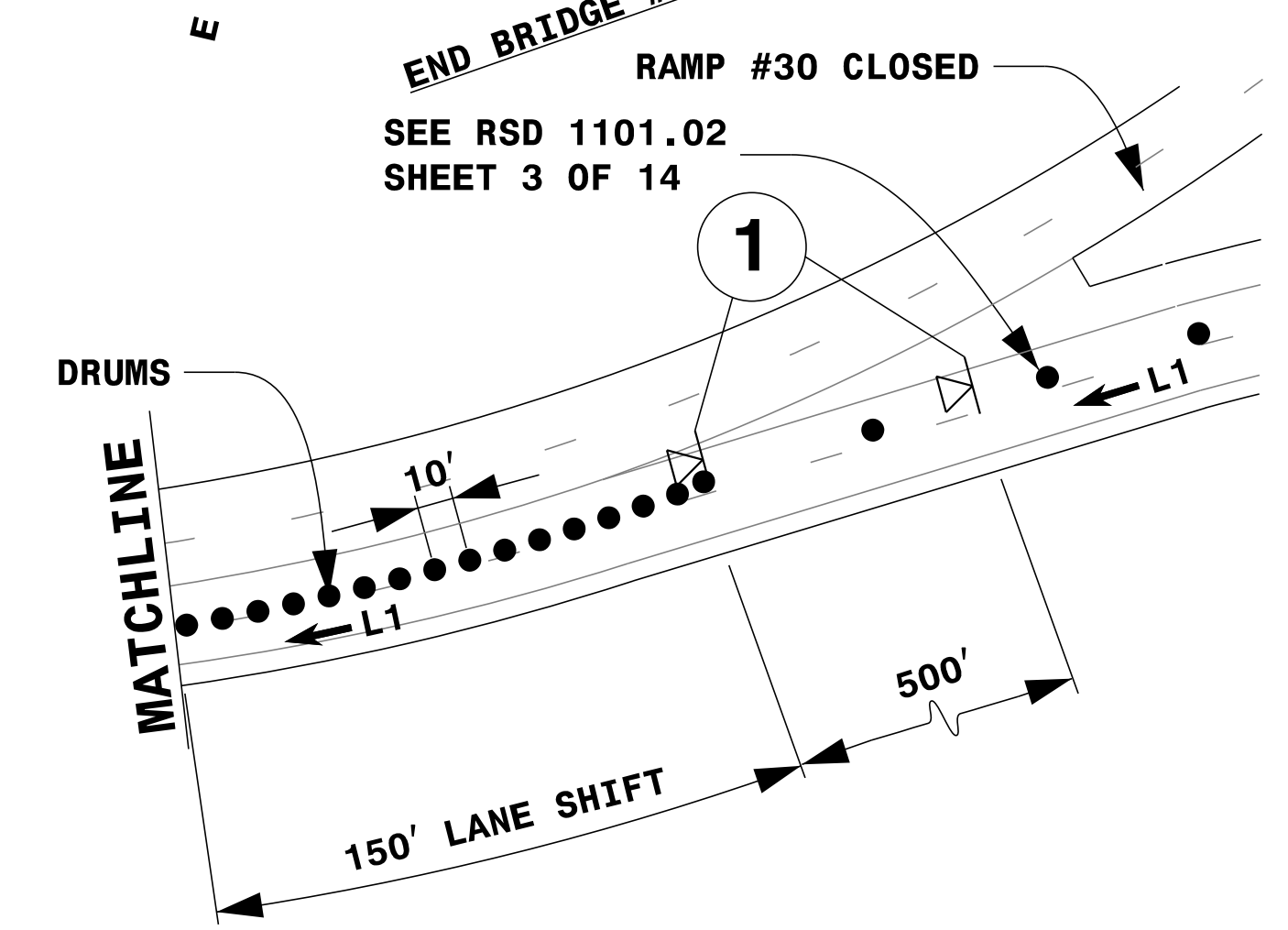
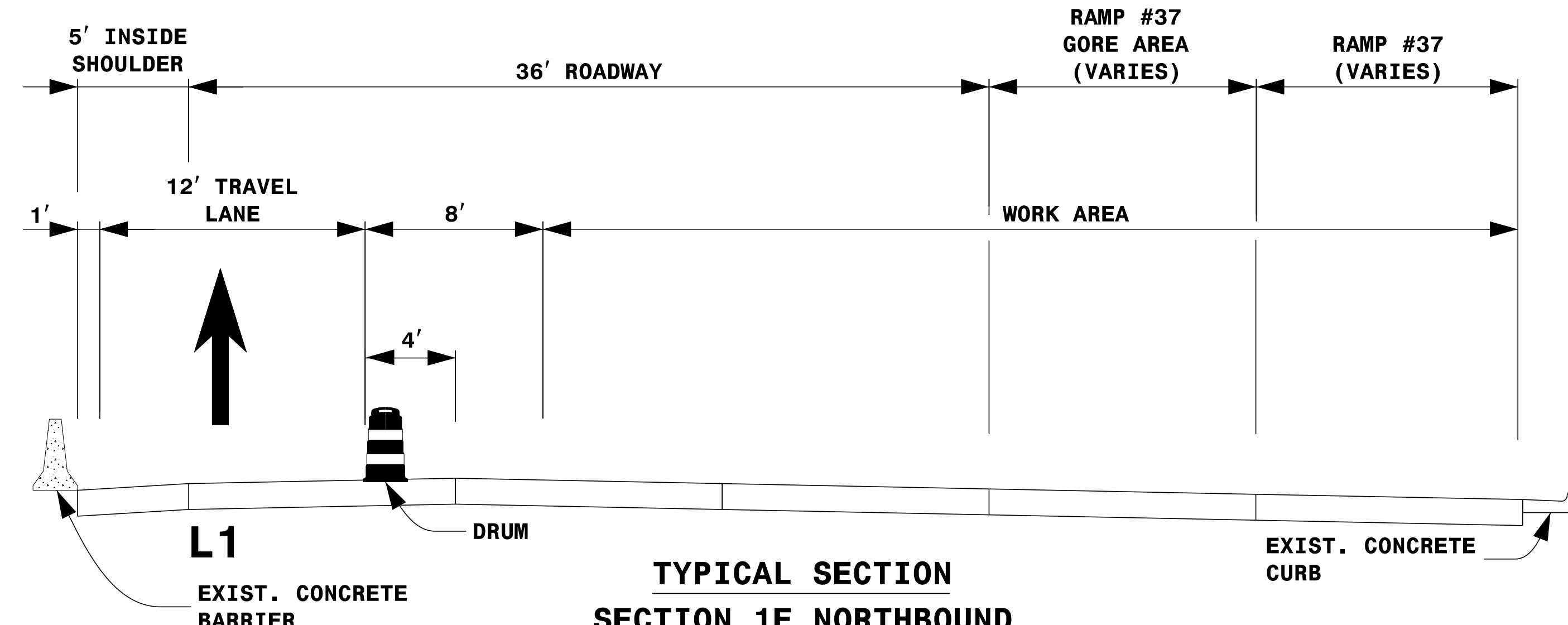
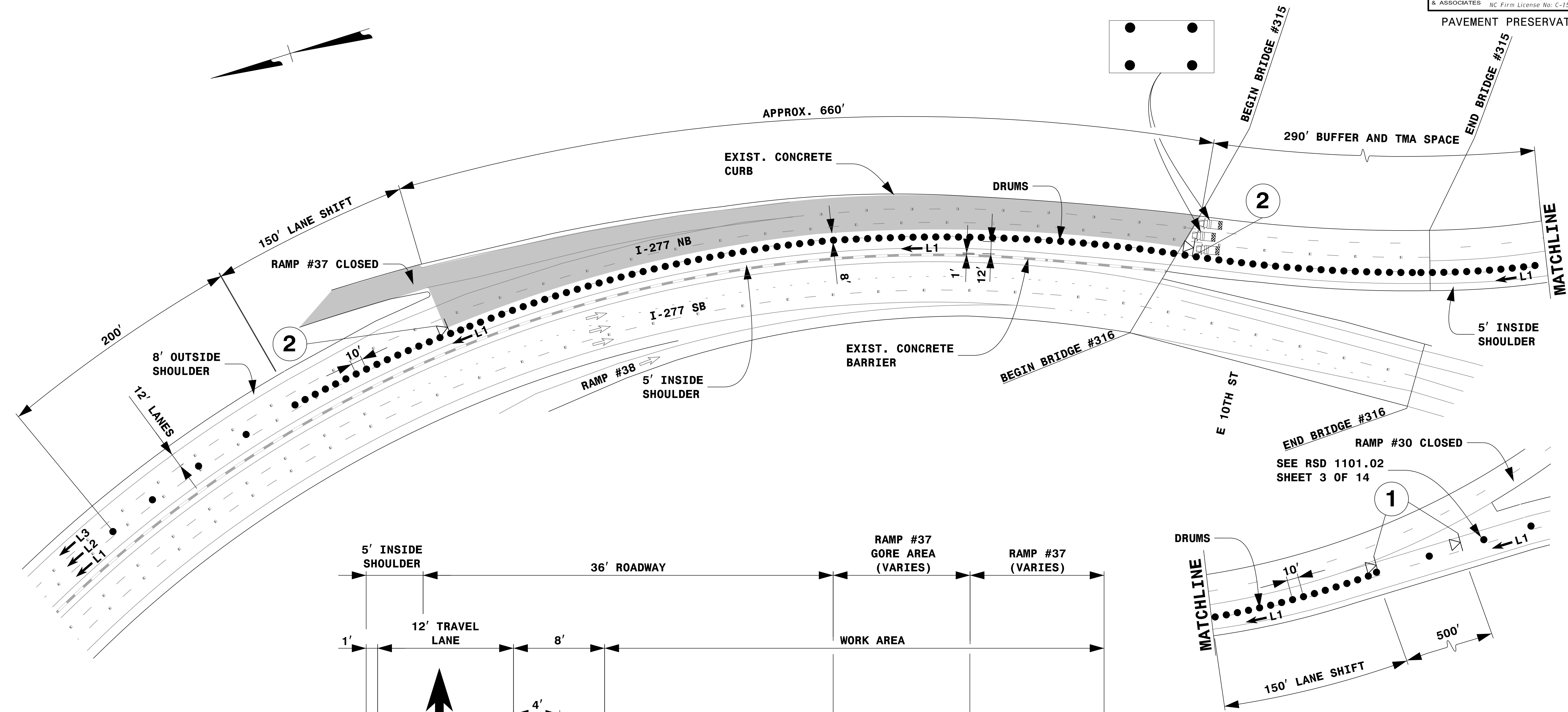


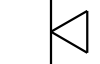

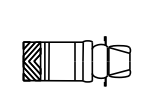



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 WORK ZONE TRAFFIC CONTROL

LANE CLOSURE DETAIL  
 SECTION 1E  
 NORTHBOUND  
 (STEP 1 OF 2)

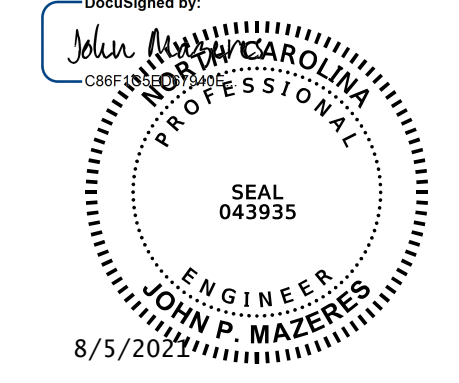
8/5/2021 2:00:35 PM I-5746E\_TMP-21-LANE CLOSURE DETAIL SECTION 1E NORTHBOUND (STEP 1 OF 2).dgn User: jduke

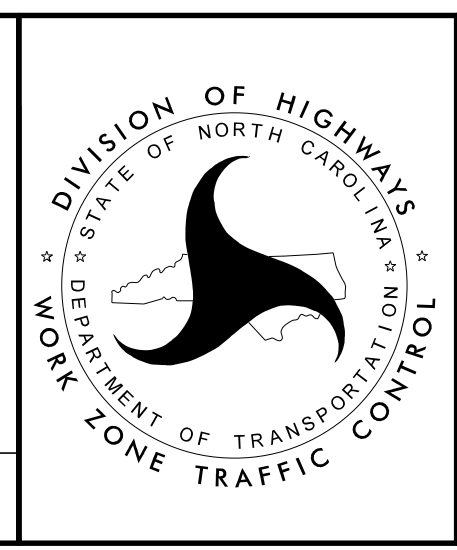




LEGEND	
	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

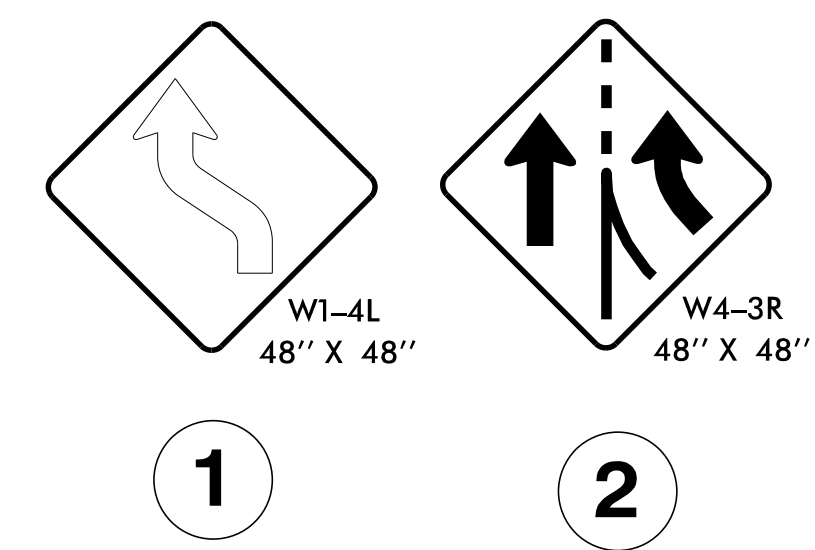
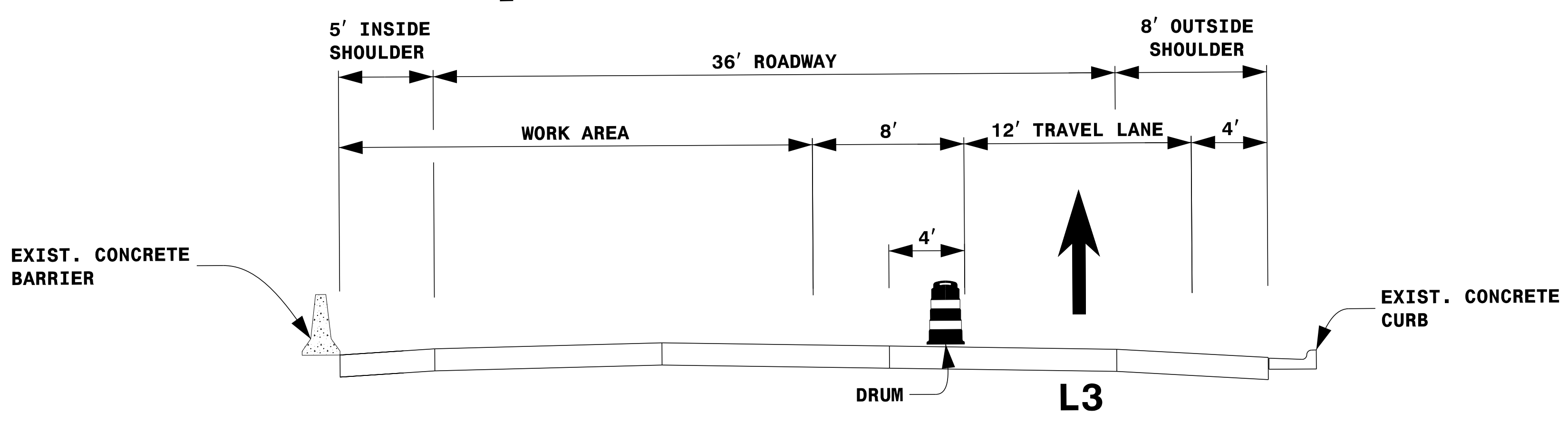
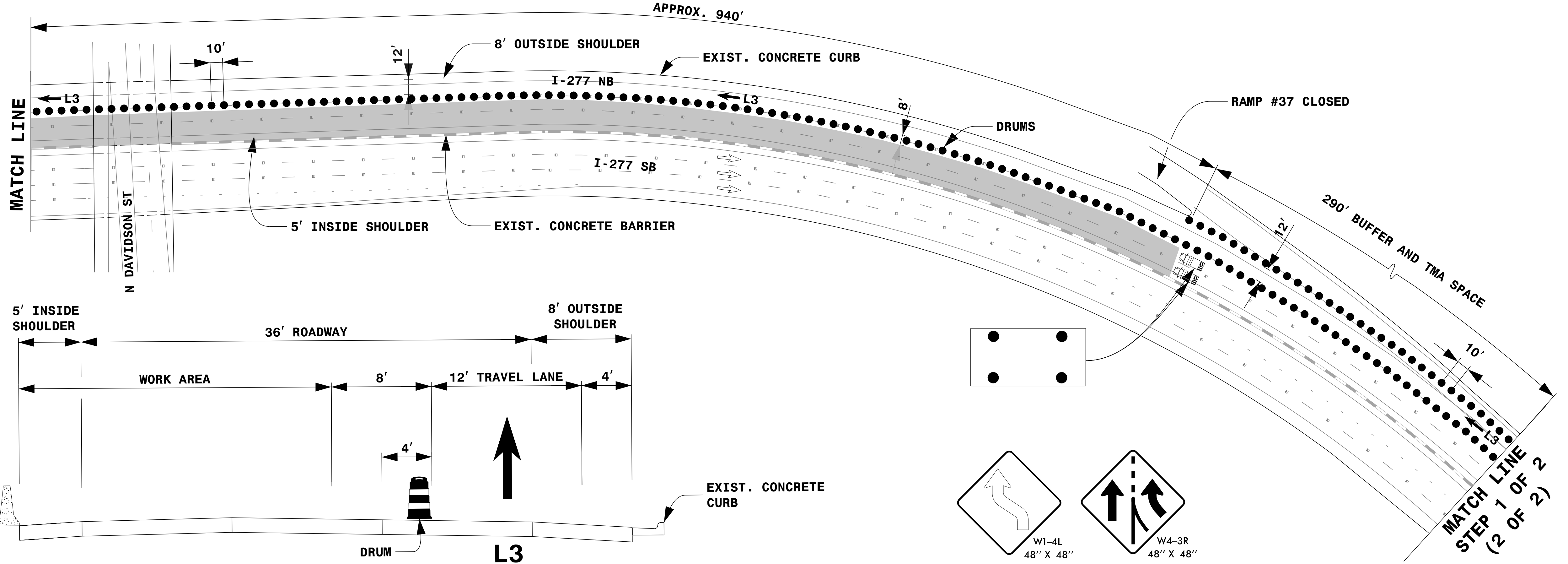
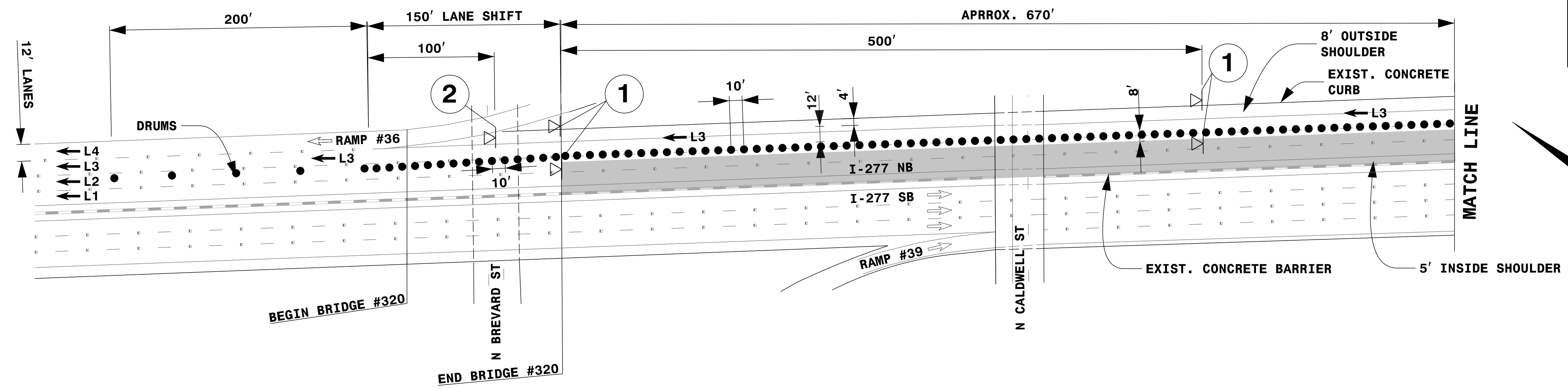
- NOTES:**
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-7 (OFFSITE DETOUR #30), TMP-13 (OFFSITE DETOUR #37) AND RSD 1101.02 SHEET 3 OF 14.
  - FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  - FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  - SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  - TRAFFIC CONTROL DEVICES ① AND ② SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
  
 8/5/2021



LANE CLOSURE DETAIL  
 SECTION 1E  
 NORTHBOUND  
 (STEP 2 OF 2)

8/5/2021 2:00:36 PM I:\5746E-TMP-22-LANE CLOSURE DETAIL SECTION 1E NORTHBOUND (STEP 2 OF 2).dgn  
 User: jduke

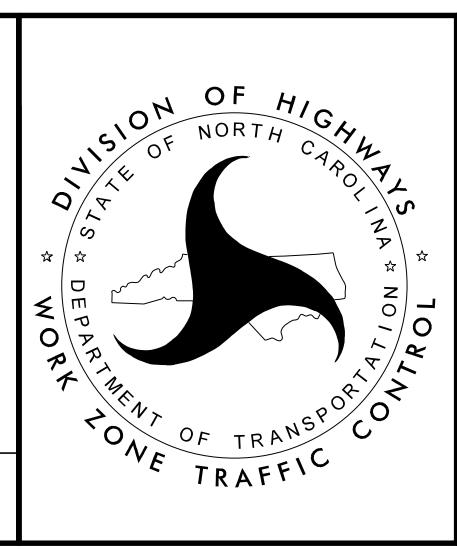


**LEGEND**

	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

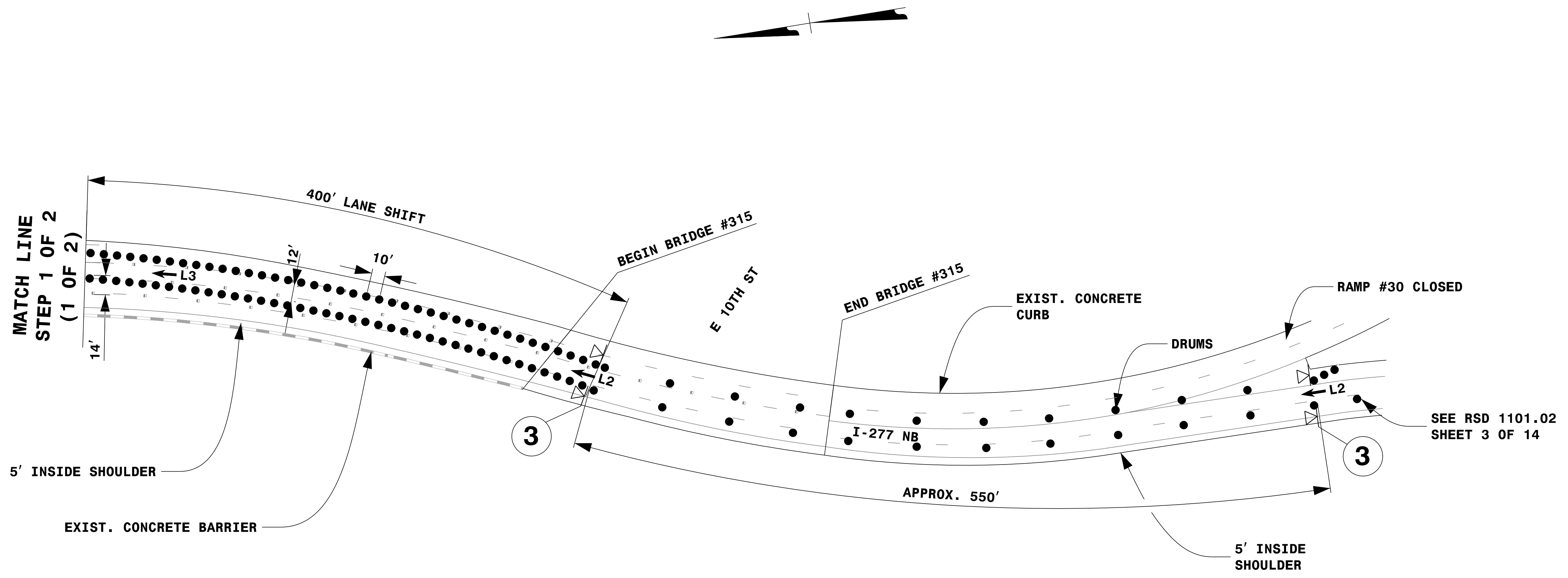
- NOTES:**
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-7 (OFFSITE DETOUR #30), TMP-13 (OFFSITE DETOUR #37) AND RSD 1101.02 SHEET 3 OF 14.
  - FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  - FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  - SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  - TRAFFIC CONTROL DEVICES ① AND ② SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
John P. Mazeres  
Professional Engineer  
SEAL 043935  
8/5/2021

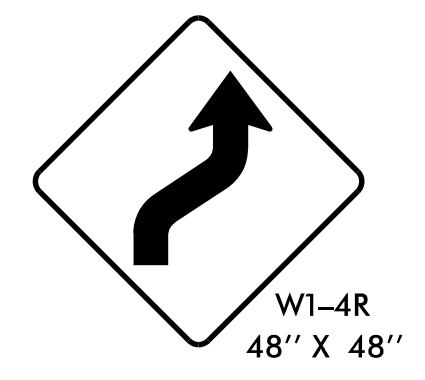


LANE CLOSURE DETAIL  
SECTION 2E  
NORTHBOUND  
(STEP 1 OF 2)  
(1 OF 2)

8/5/2021 2:00:37 PM I-5746E-TMP-23-LANE CLOSURE DETAIL SECTION 2E NORTHBOUND (STEP 1 OF 2) OF 2.dgn User: jduke



SEE RSD 1101.02 SHEET 3 OF 14



3

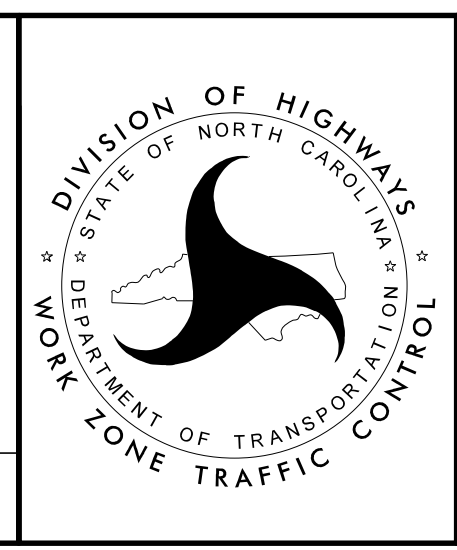
**NOTES:**

1. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-7 (OFFSITE DETOUR #30), TMP-13 (OFFSITE DETOUR #37) AND RSD 1101.02 SHEET 3 OF 14.
2. FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
3. FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
4. SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
5. TRAFFIC CONTROL DEVICE (3) SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

LEGEND	
	PORTABLE SIGN
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

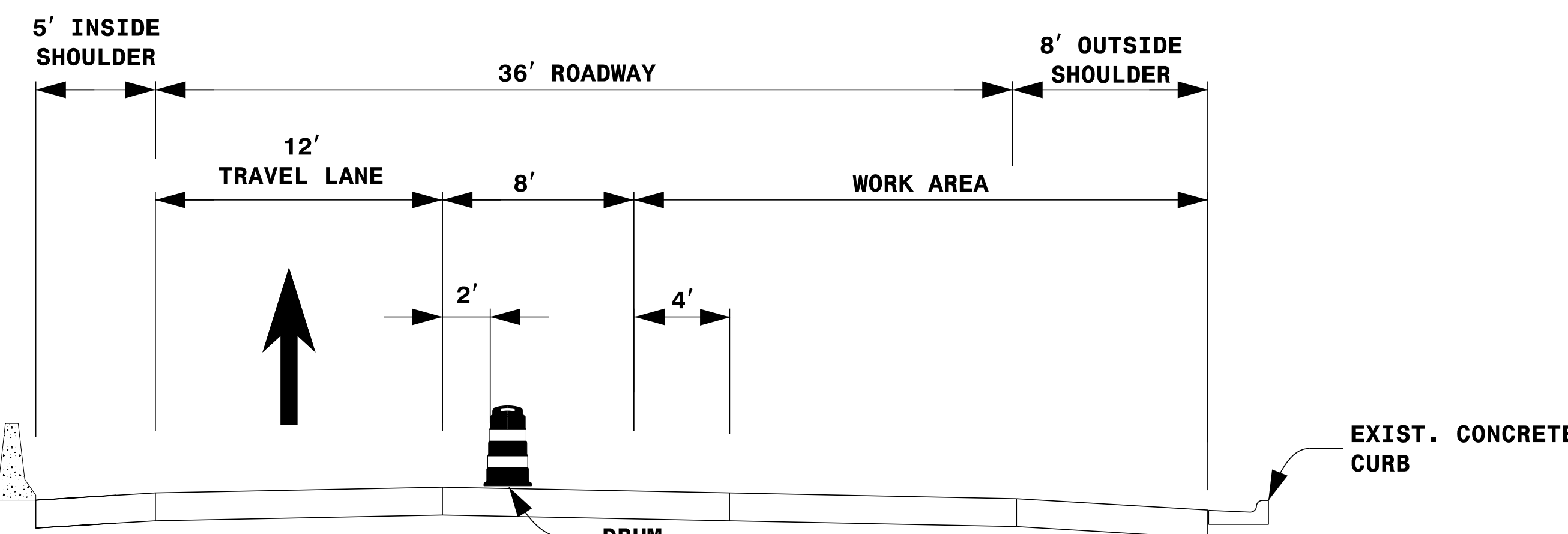
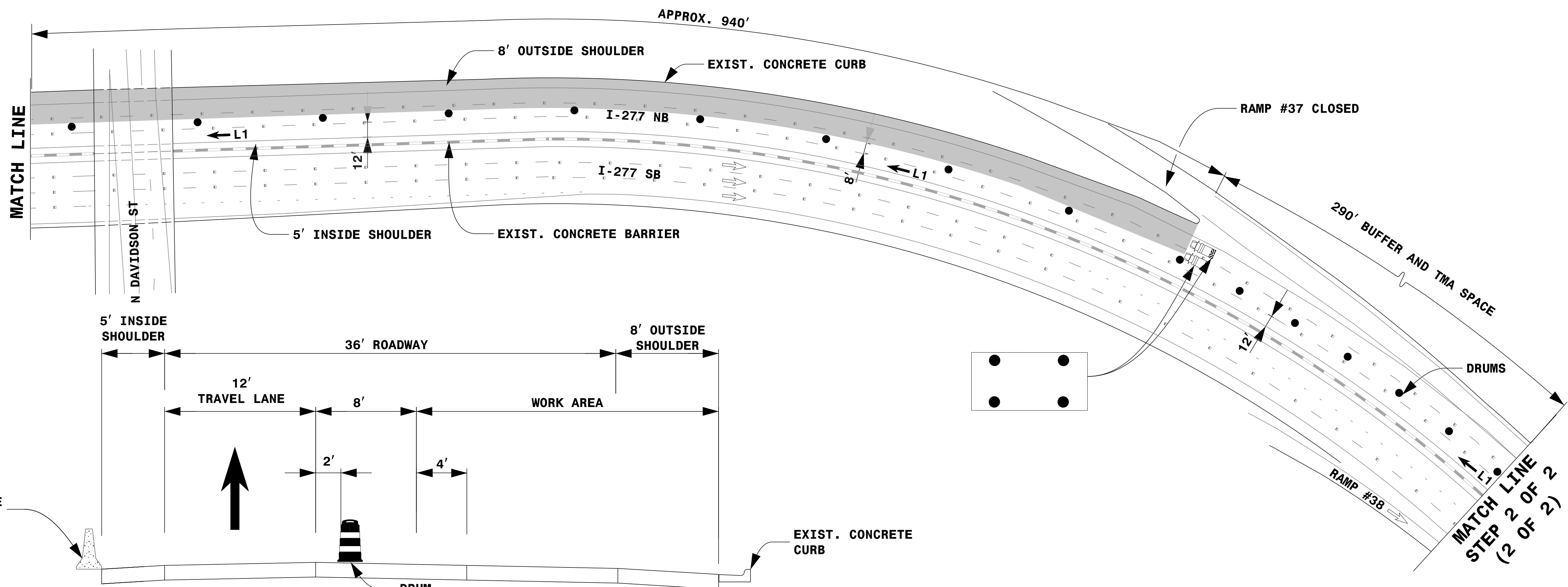
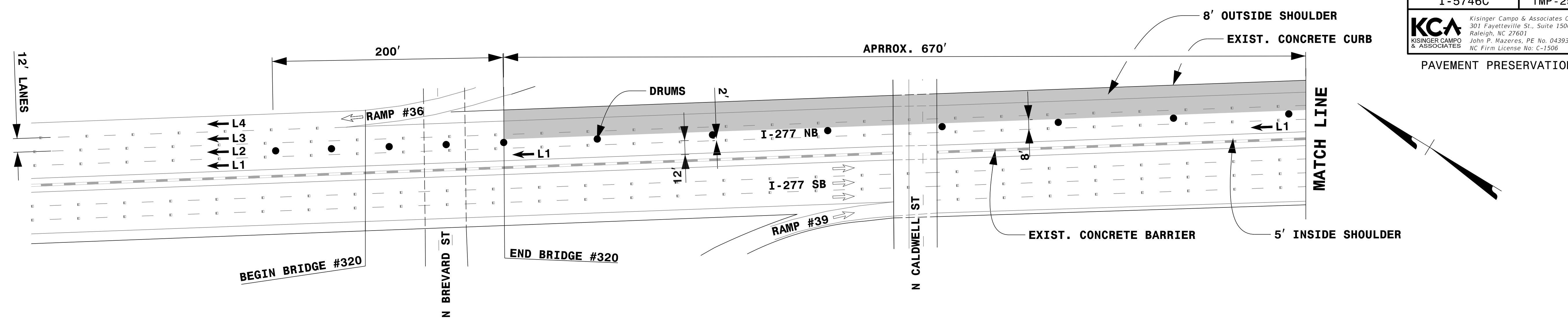
8/5/2021 2:00:38 PM I5746E\_TMP-24\_LANE\_CLOSURE\_DETAIL\_SECTION\_2E\_NORTHBOUND (STEP 1 OF 2) OF 2.dgn User: jduke

DocuSigned by:  
 John P. Mazeres  
 PROFESSIONAL ENGINEER  
 SEAL 043935  
 8/5/2021



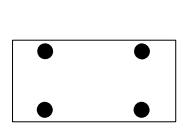
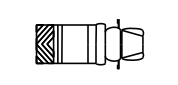



LANE CLOSURE DETAIL  
 SECTION 2E  
 NORTHBOUND  
 (STEP 1 OF 2)  
 (2 OF 2)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

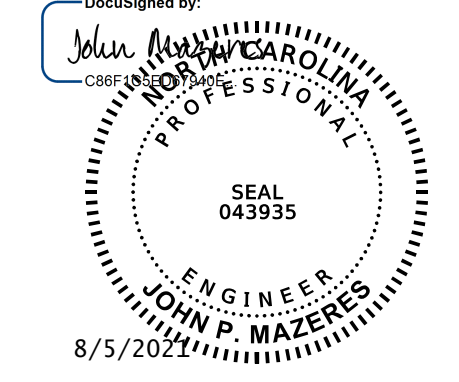


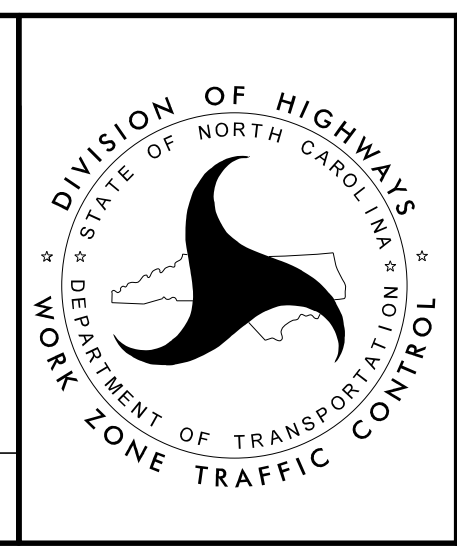
**TYPICAL SECTION SECTION 2E NORTHBOUND**

**LEGEND**

	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

- NOTES:**
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-7 (OFFSITE DETOUR #30), TMP-13 (OFFSITE DETOUR #37) AND RSD 1101.02 SHEET 3 OF 14.
  - FOR ENTRANCE AND EXIT RAMP SIGNS, REFER TO RSD 1101.01, DETAIL B & C.
  - FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  - SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  - TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
  
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**



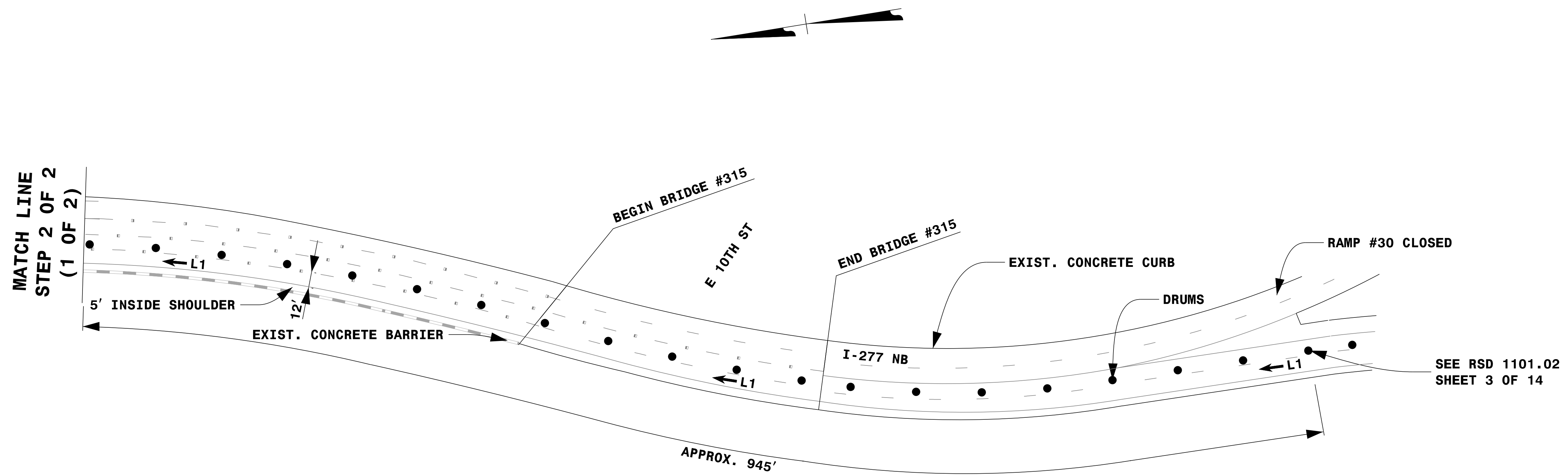
**LANE CLOSURE DETAIL SECTION 2E NORTHBOUND (STEP 2 OF 2) (1 OF 2)**

8/5/2021 2:00:39 PM I-5746E\_TMP-25\_LANE\_CLOSURE\_DETAIL\_SECTION\_2E\_NORTHBOUND (STEP 2 OF 2) (1 OF 2).dgn User: jduke

PROJ. REFERENCE NO.	SHEET NO.
I-5746C	TMP-26

**KCA**  
 KISINGER CAMPO & ASSOCIATES  
 Kisinger Campo & Associates Corp.  
 301 Fayetteville St., Suite 1500  
 Raleigh, NC 27601  
 John P. Mazeres, PE No. 043935  
 NC Firm License No. C-1506

PAVEMENT PRESERVATION



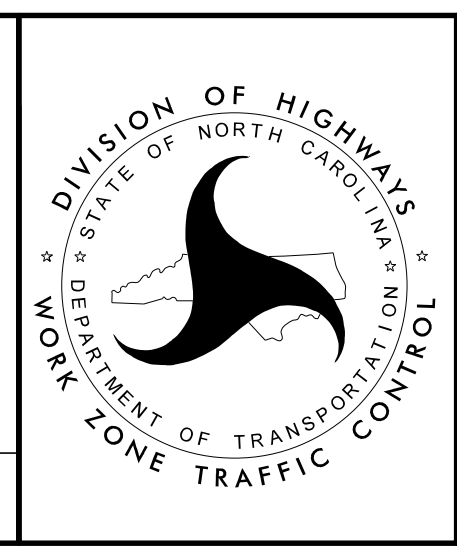
LEGEND	
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

NOTES:

1. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-7 (OFFSITE DETOUR #30), TMP-13 (OFFSITE DETOUR #37) AND RSD 1101.02 SHEET 3 OF 14.
2. FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
3. FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
4. SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
5. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

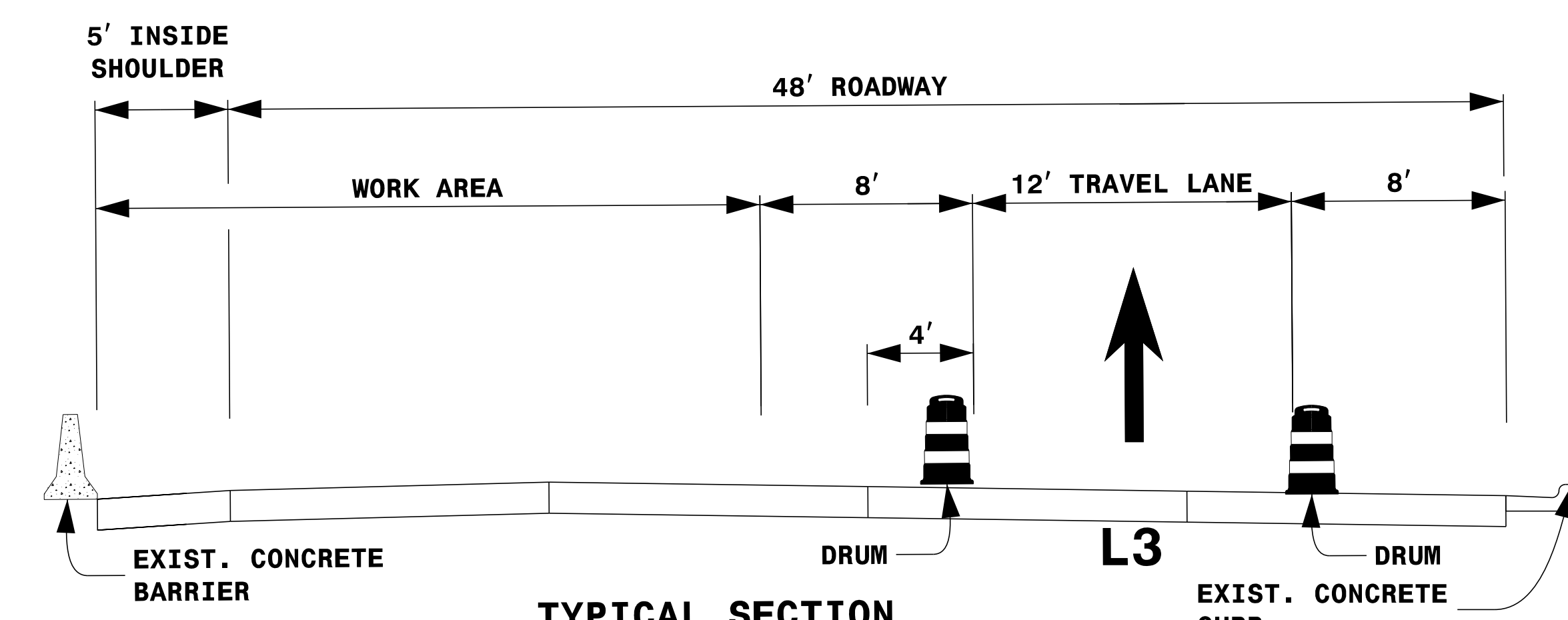
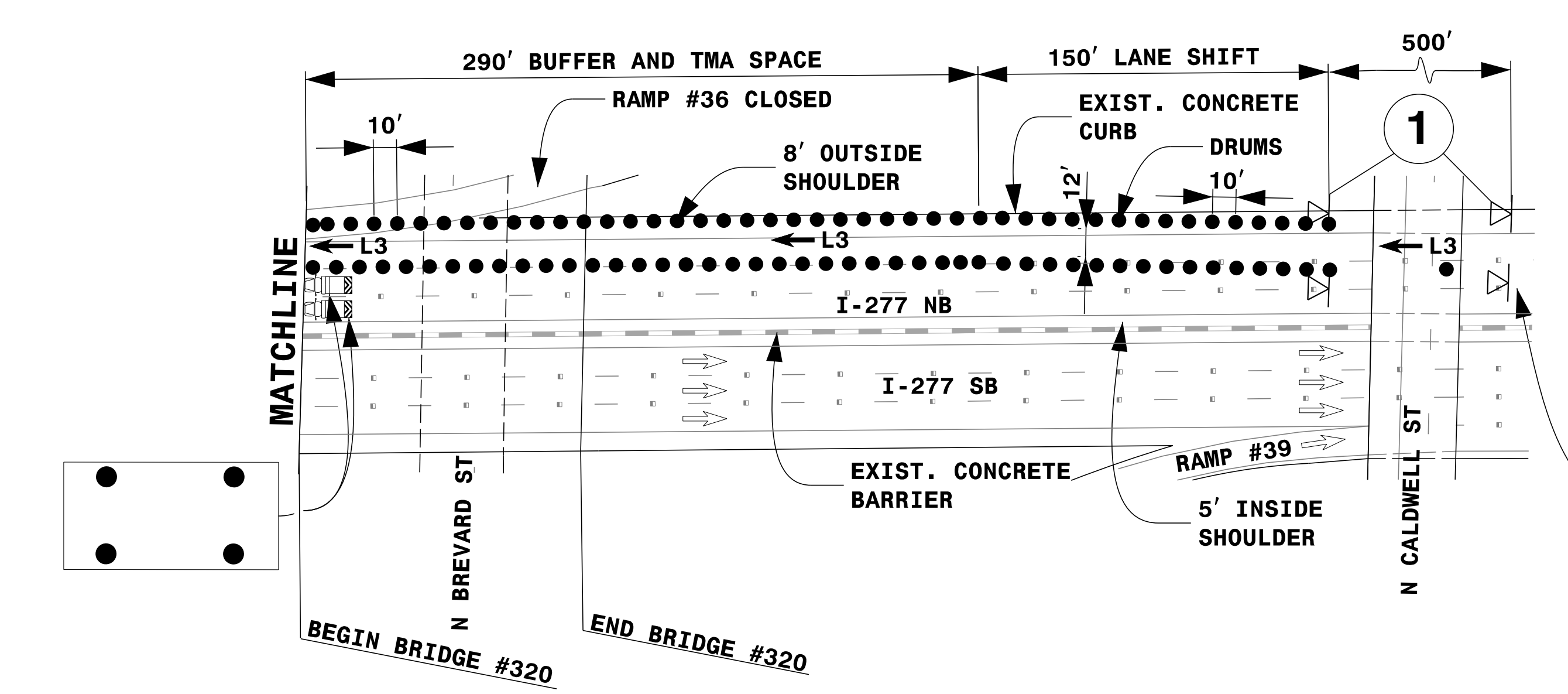
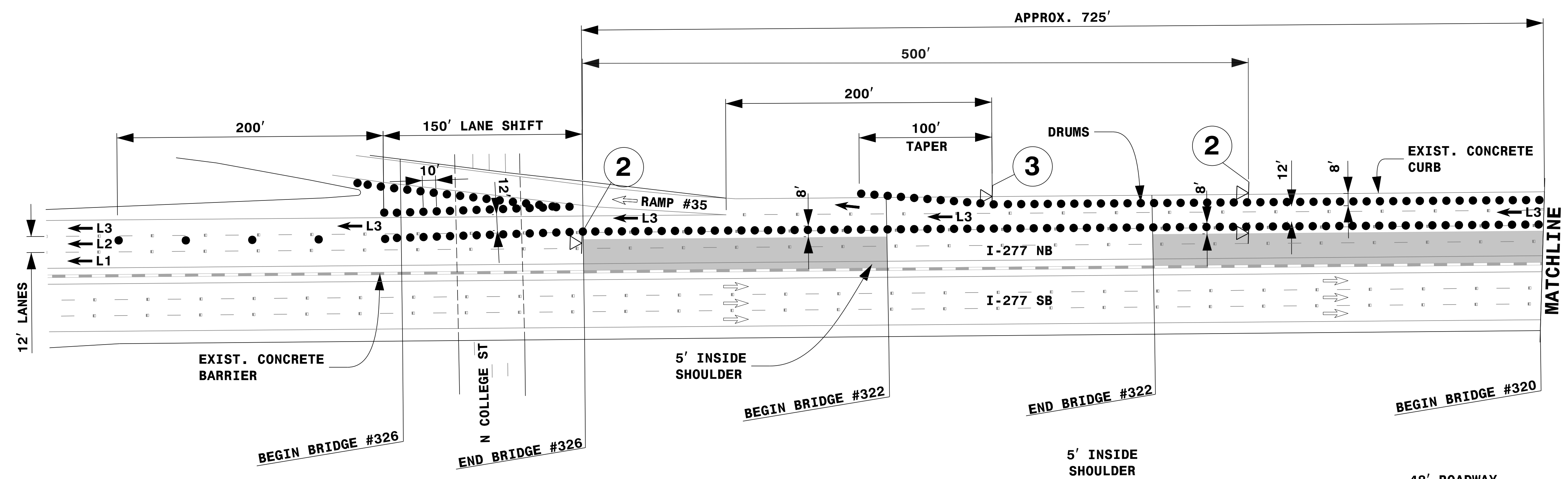
DocuSigned by:  
 John P. Mazeres  
 PROFESSIONAL ENGINEER  
 SEAL 043935  
 JOHN P. MAZERES  
 8/5/2021

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

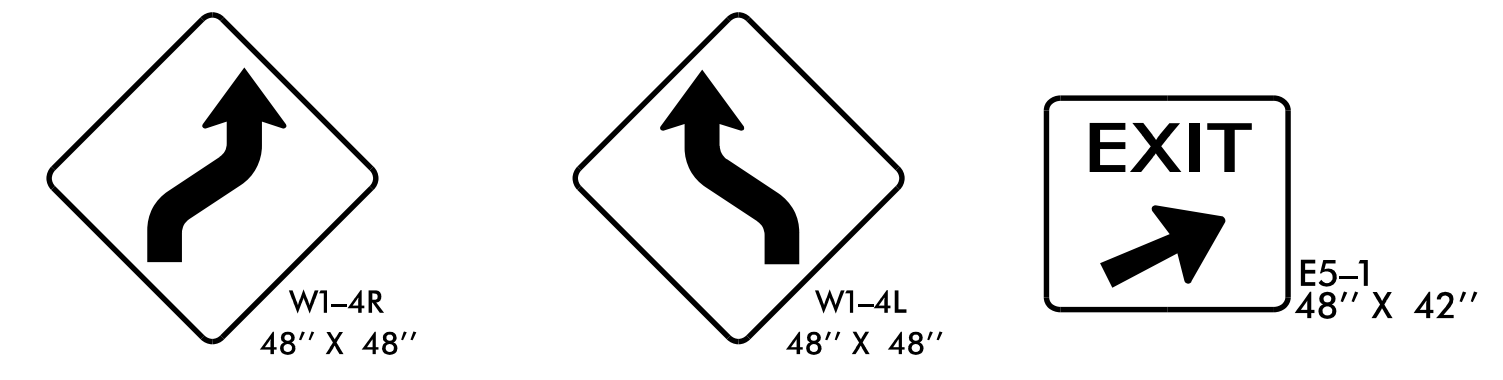


LANE CLOSURE DETAIL  
 SECTION 2E  
 NORTHBOUND  
 (STEP 2 OF 2)  
 (2 OF 2)

8/5/2021 2:00:40 PM I-5746E-TMP-26-LANE CLOSURE DETAIL SECTION 2E NORTHBOUND (STEP 2 OF 2) (2 OF 2).dgn  
 User: jduke



SEE RSD 1101.02 SHEET 8 OF 14

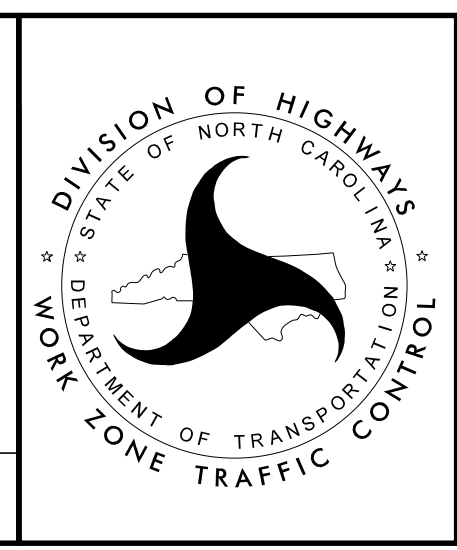


LEGEND	
	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

- NOTES:**
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-12 (OFFSITE DETOUR #36) AND RSD 1101.02 SHEET 8 OF 14.
  - FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  - FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  - SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  - TRAFFIC CONTROL DEVICES ① THRU ③ SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

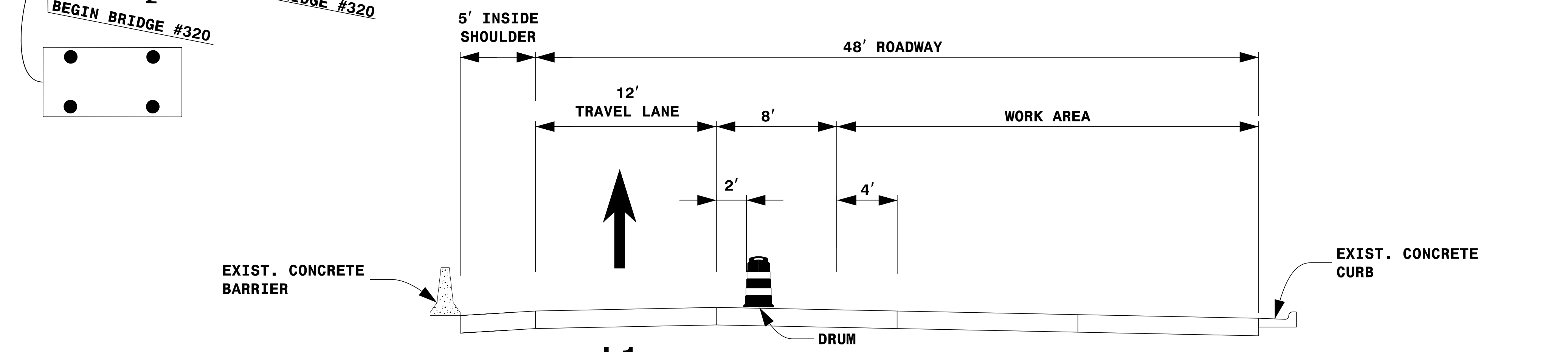
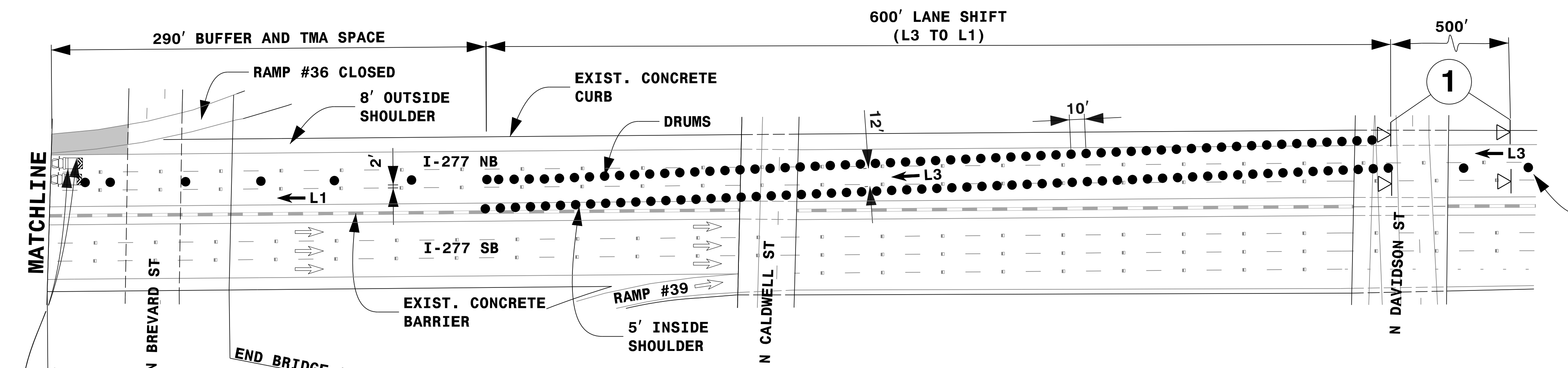
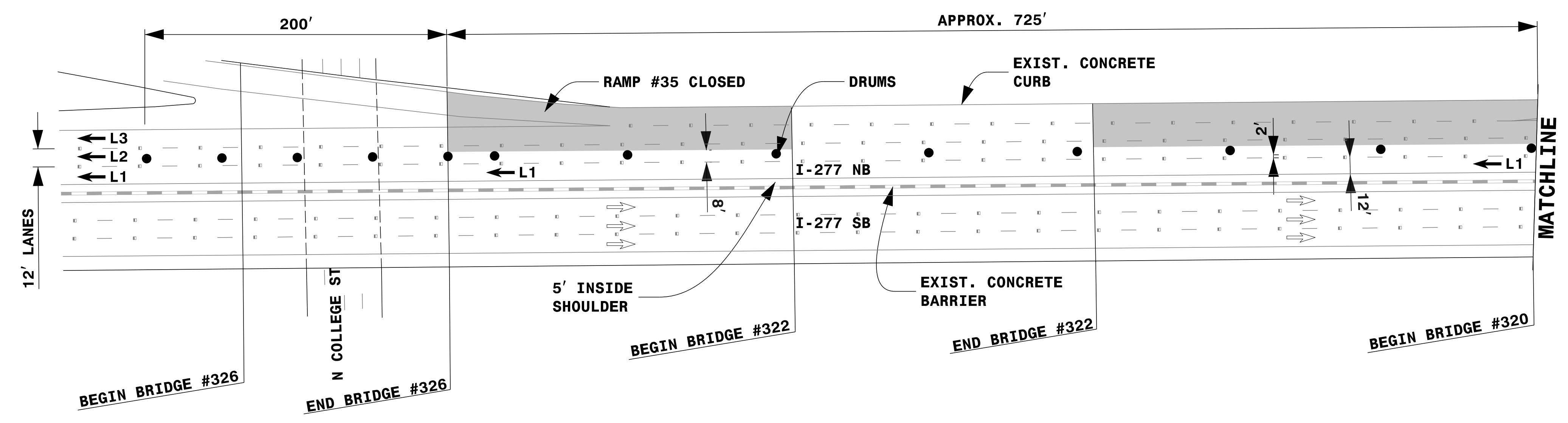
DocuSigned by:  
 John P. Mazeres  
 PROFESSIONAL ENGINEER  
 SEAL 043935  
 JOHN P. MAZERES  
 8/5/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

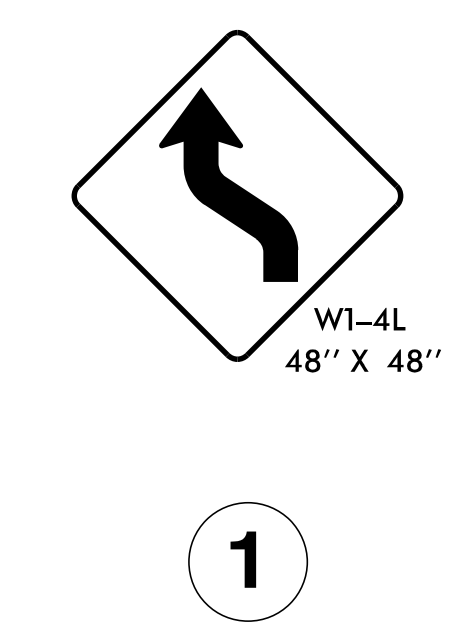


LANE CLOSURE DETAIL SECTION 3E NORTHBOUND (STEP 1 OF 2)

8/5/2021  
 200\_41\_15746E\_TMP-27\_LANE\_CLOSURE\_DETAIL\_SECTION\_3E\_NORTHBOUND\_STEP\_1\_OF\_2.dgn  
 User: jduke



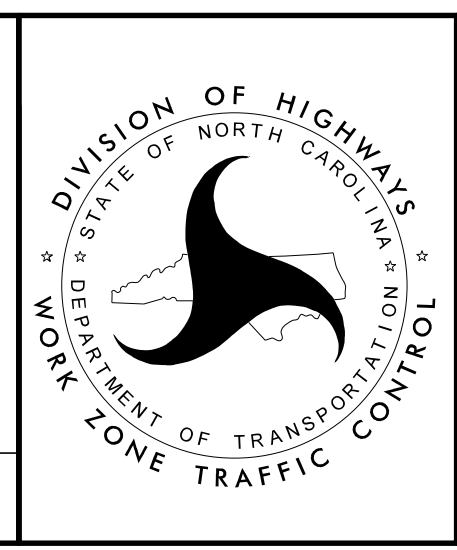
SEE RSD 1101.02 SHEET 8 OF 14



LEGEND	
	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

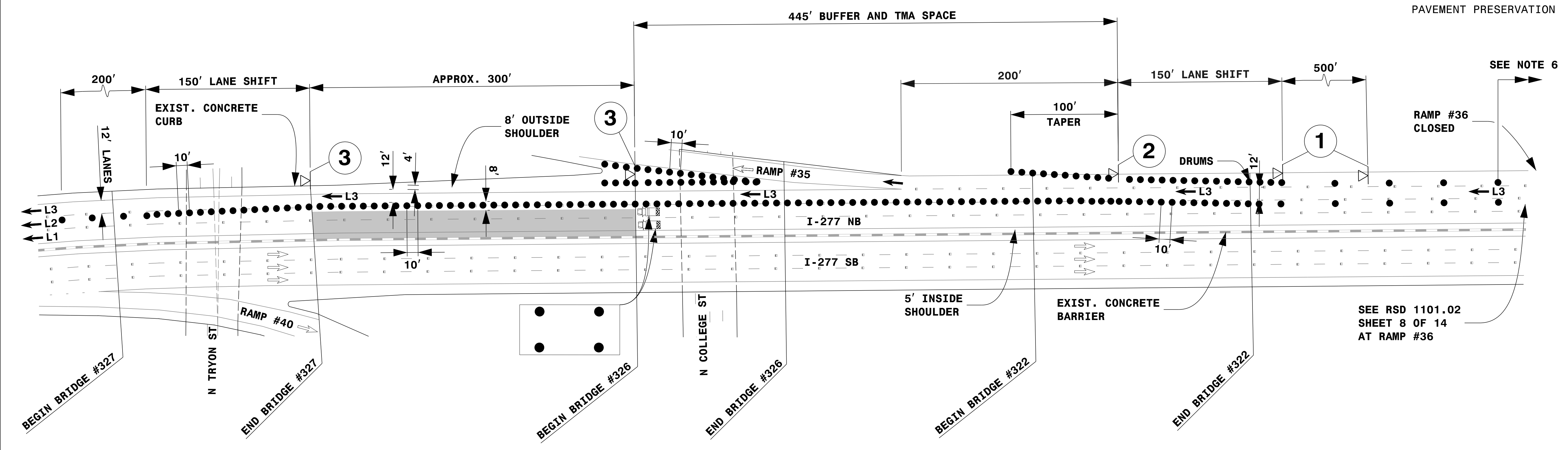
- NOTES:**
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-11 (OFFSITE DETOUR #35), TMP-12 (OFFSITE DETOUR #36) AND RSD 1101.02 SHEET 8 OF 14.
  - FOR ENTRANCE AND EXIT RAMPS SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  - FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  - SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  - TRAFFIC CONTROL DEVICE ① SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
*John P. Mazeres*  
JOHN P. MAZERES  
ENGINEER  
SEAL 043935  
8/5/2021

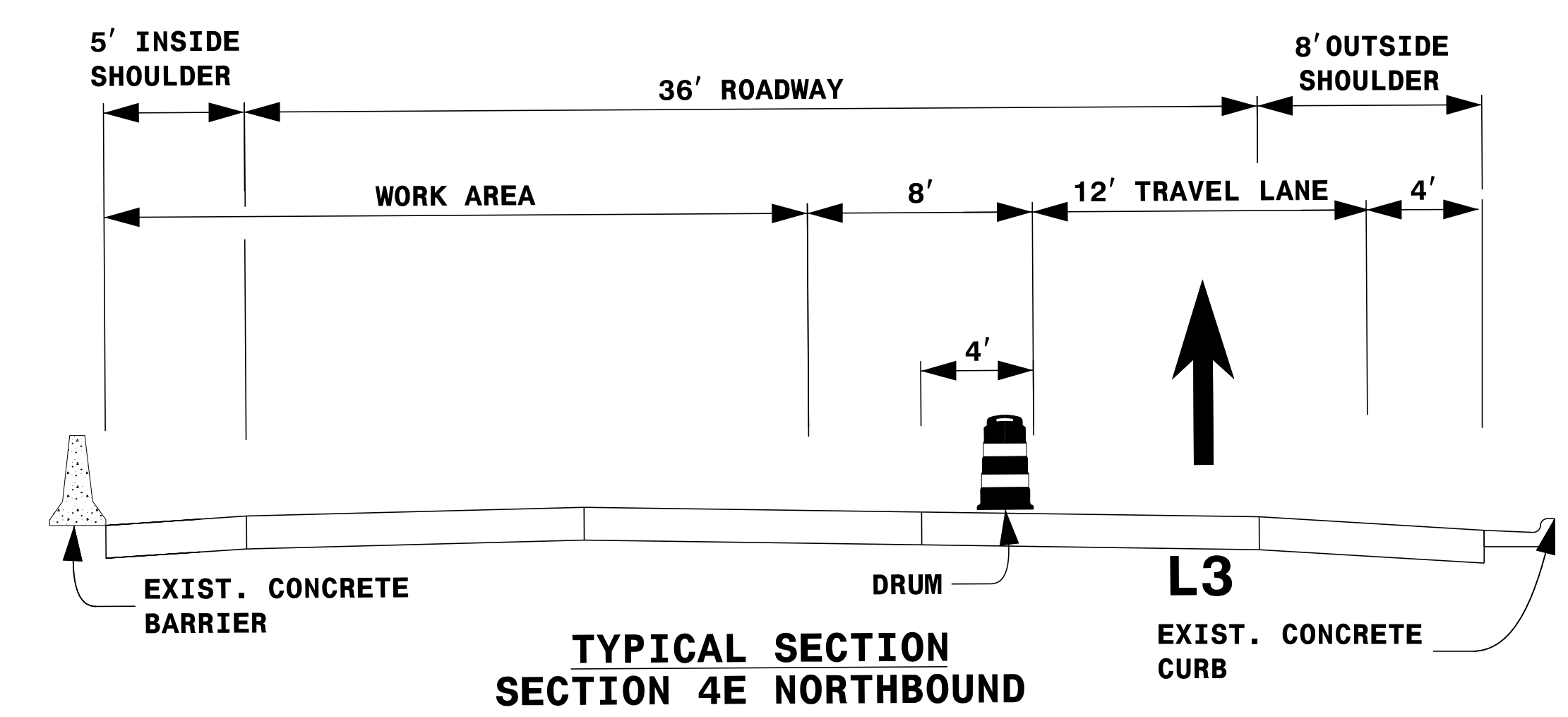


LANE CLOSURE DETAIL  
SECTION 3E  
NORTHBOUND  
(STEP 2 OF 2)

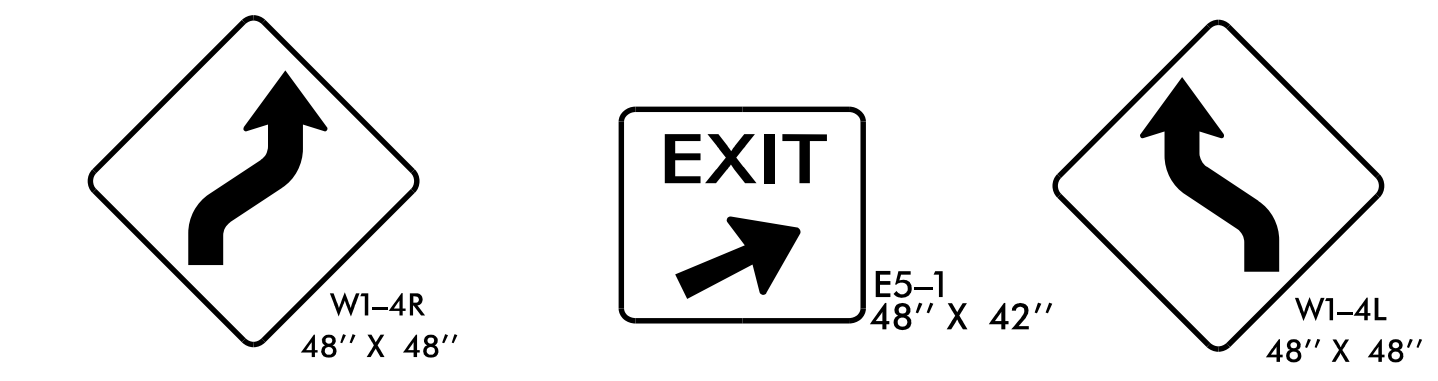
8/5/2021 2:00:42 PM I-5746E-TMP-28-LANE CLOSURE DETAIL SECTION 3E NORTHBOUND (STEP 2 OF 2).dgn User: jduke



SEE RSD 1101.02 SHEET 8 OF 14 AT RAMP #36



TYPICAL SECTION SECTION 4E NORTHBOUND



LEGEND	
	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

NOTES:

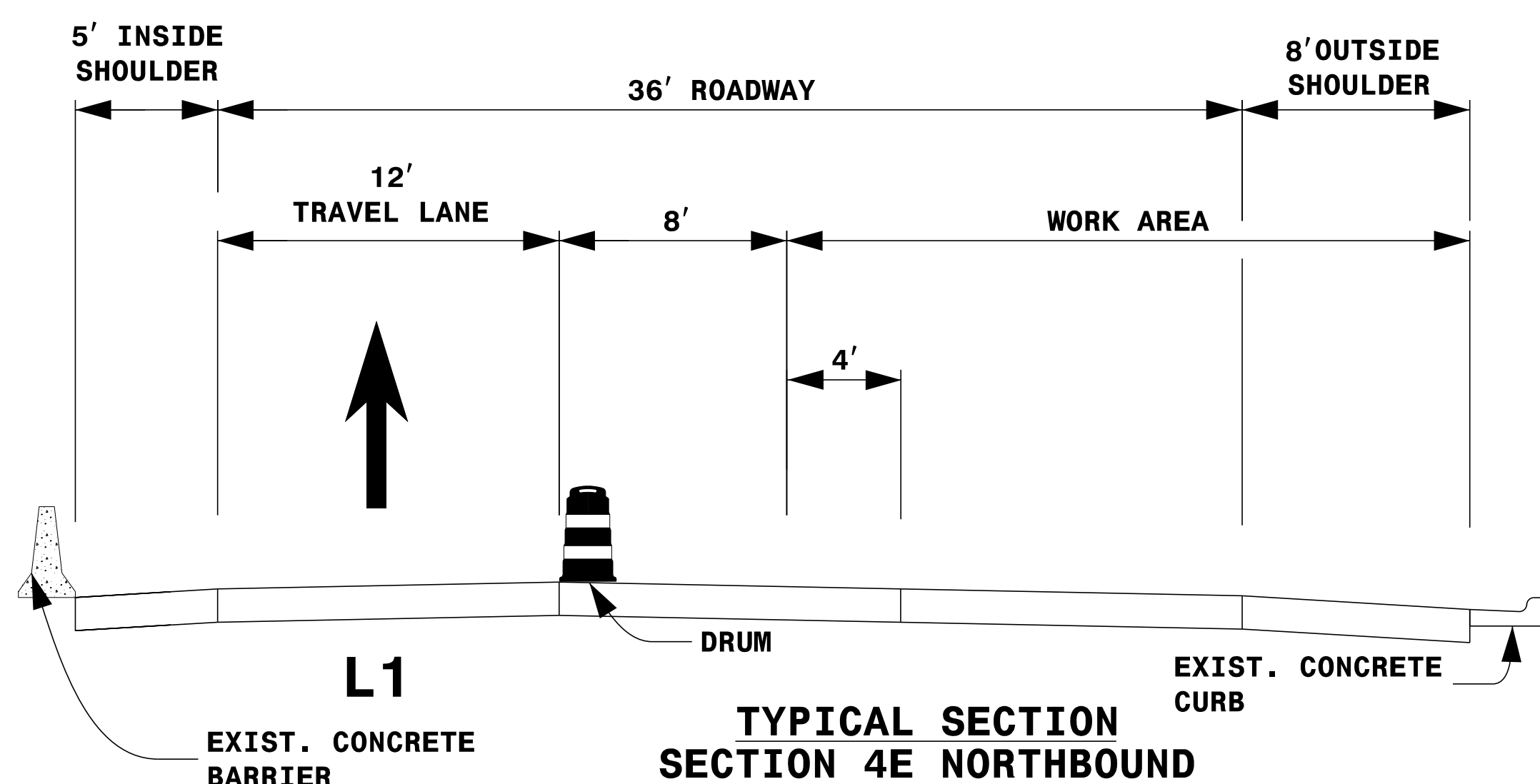
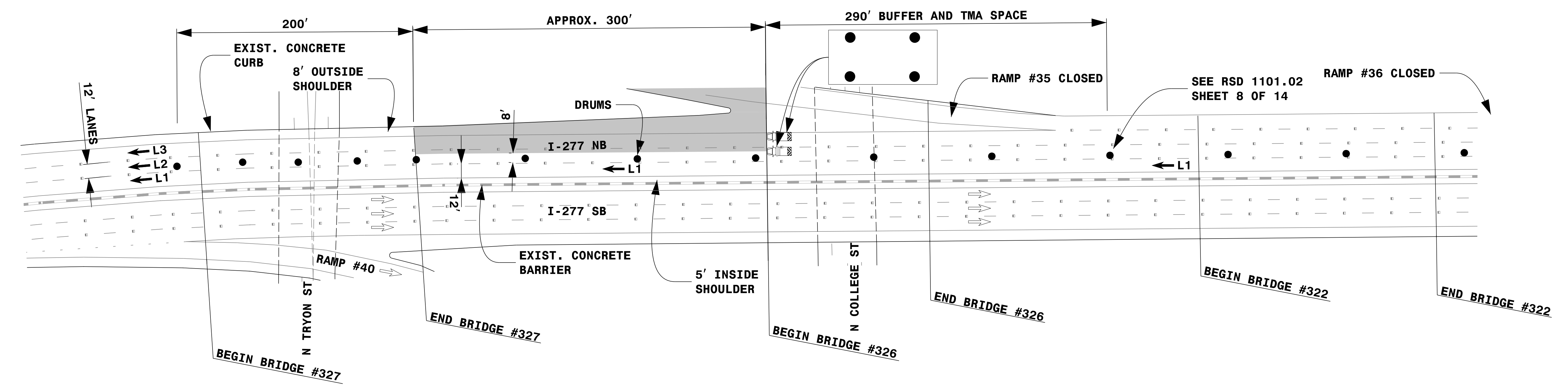
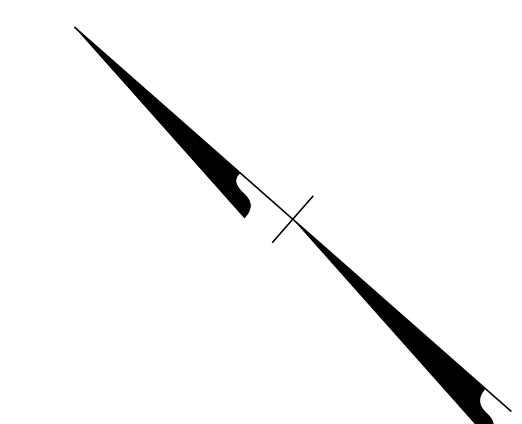
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-12 (OFFSITE DETOUR #36) AND RSD 1101.02 SHEET 8 OF 14.
- FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
- FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
- SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
- TRAFFIC CONTROL DEVICES ① THRU ③ SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.
- CONTINUE OUTSIDE LINE OF DRUMS TO RAMP #36 GORE AREA.

DocuSigned by:

LANE CLOSURE DETAIL SECTION 4E NORTHBOUND (STEP 1 OF 2)

8/5/2021 2:00:43 PM I-5746E\_TMP-29\_LANE\_CLOSURE\_DETAIL\_SECTION\_4E\_NORTHBOUND\_STEP\_1\_OF\_2.dgn User: jduke

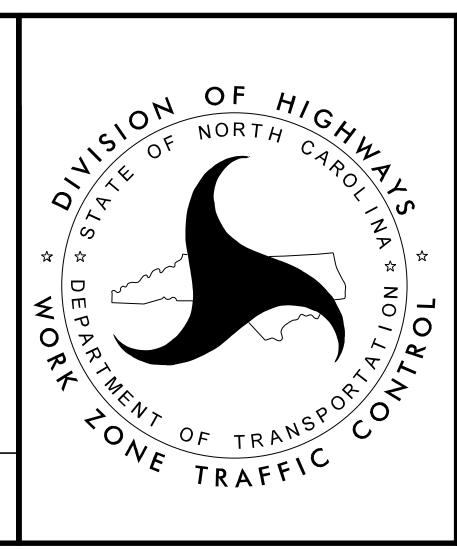




LEGEND	
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

- NOTES:**
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-11 (OFFSITE DETOUR #35), TMP-12 (OFFSITE DETOUR #36) AND RSD 1101.02 SHEET 8 OF 14.
  - FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  - FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  - SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  - TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

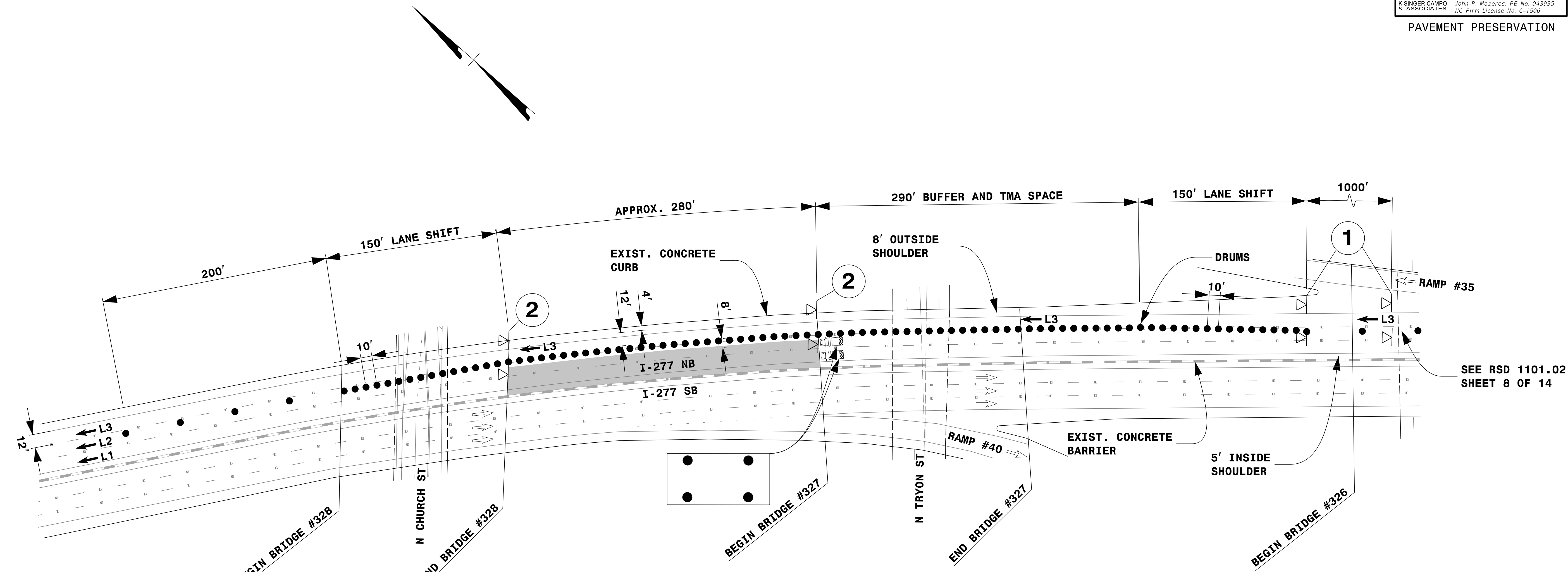
DocuSigned by:  
John P. Mazeres, PE  
SEAL 043935  
ENGINEER  
JOHN P. MAZERES  
8/5/2021



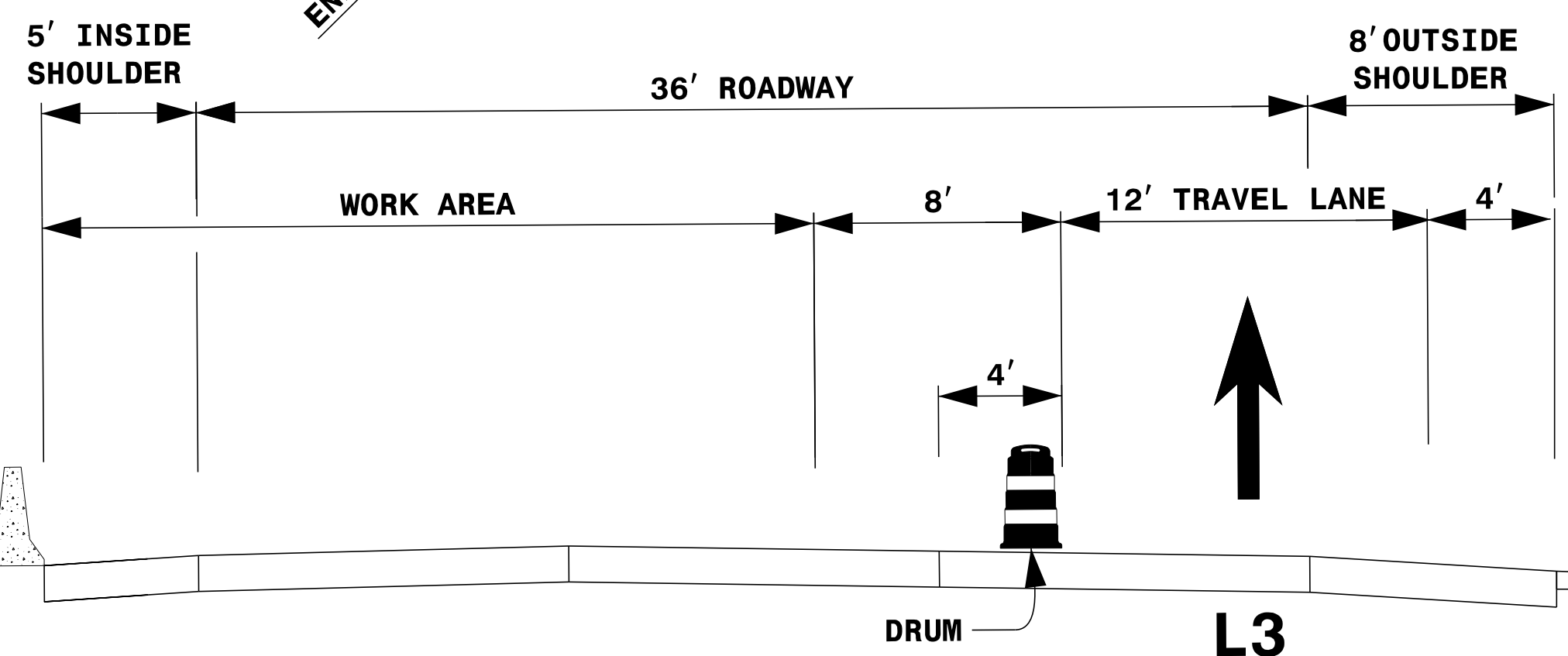
LANE CLOSURE DETAIL  
SECTION 4E  
NORTHBOUND  
(STEP 2 OF 2)

8/5/2021 2:00:44 PM I-5746E\_TMP-30\_LANE\_CLOSURE\_DETAIL\_SECTION\_4E\_NORTHBOUND\_STEP\_2\_OF\_2.dgn User: jduke

DOCUMENT NOT CONSIDERED FINAL  
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SEE RSD 1101.02 SHEET 8 OF 14

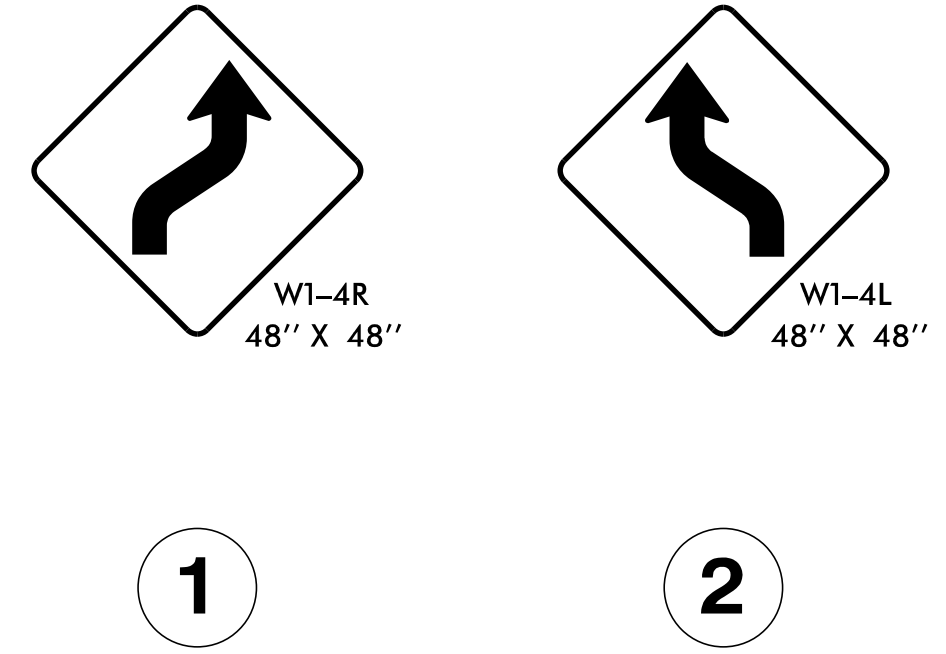


TYPICAL SECTION SECTION 5E NORTHBOUND

LEGEND	
	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

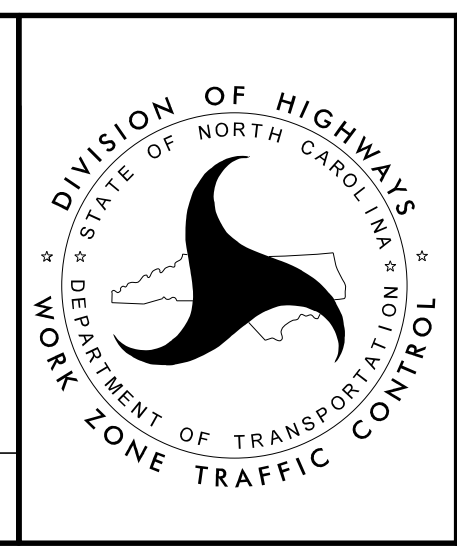
NOTES:

1. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH RSD 1101.02 SHEET 8 OF 14.
2. FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
3. FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
4. SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
5. TRAFFIC CONTROL DEVICES ① AND ② SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.



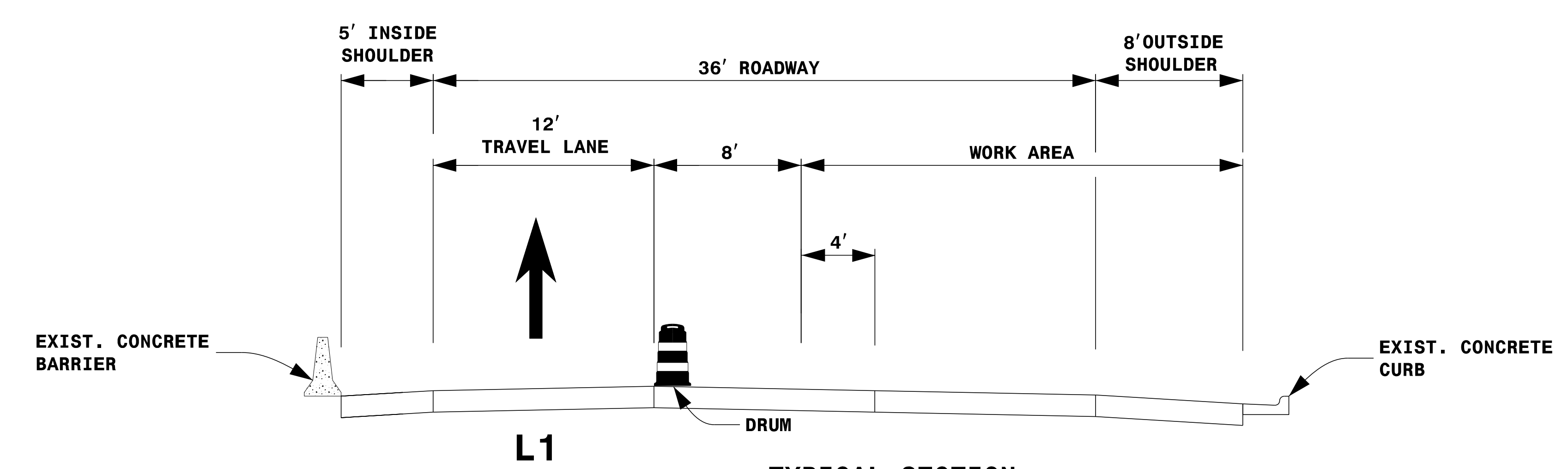
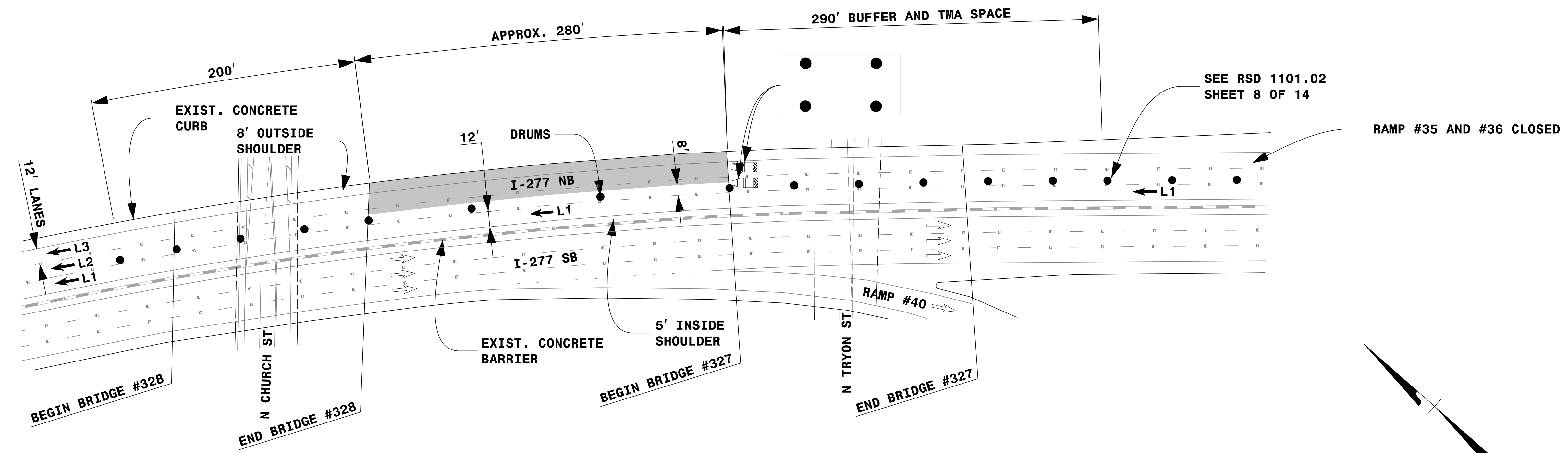
8/5/2021 2:00:45 PM I-5746E\_TMP-31\_LANE\_CLOSURE\_DETAIL\_SECTION\_5E\_NORTHBOUND (STEP 1 OF 2).dgn User: jduke

DocuSigned by:  
  
 JOHN P. MAZERES  
 ENGINEER  
 8/5/2021



LANE CLOSURE DETAIL  
 SECTION 5E  
 NORTHBOUND  
 (STEP 1 OF 2)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



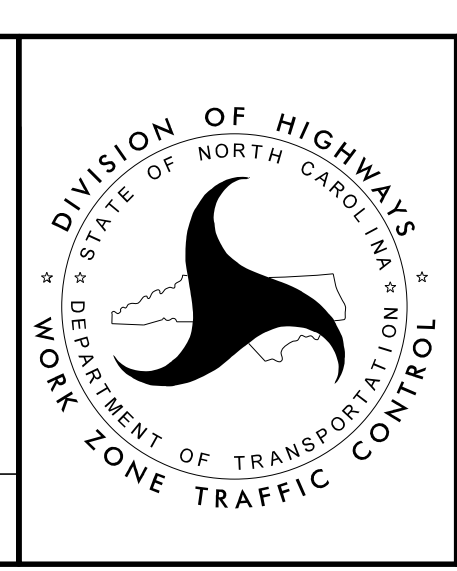
**TYPICAL SECTION  
SECTION 5E NORTHBOUND**

LEGEND	
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

- NOTES:**
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-11 (OFFSITE DETOUR #35), TMP-12 (OFFSITE DETOUR #36) AND RSD 1101.02 SHEET 8 OF 14.
  - FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  - FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  - SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  - TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

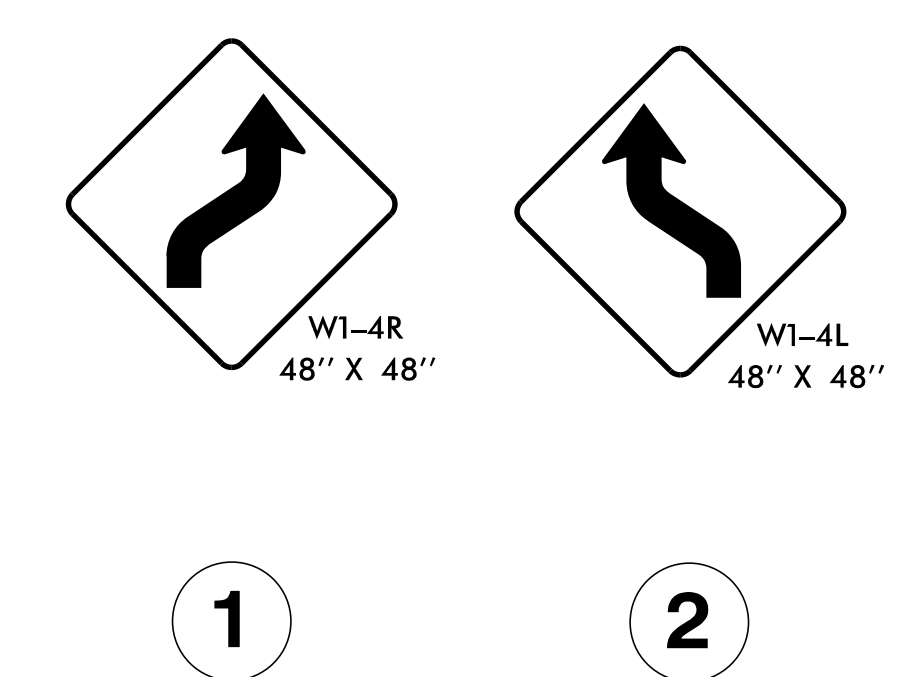
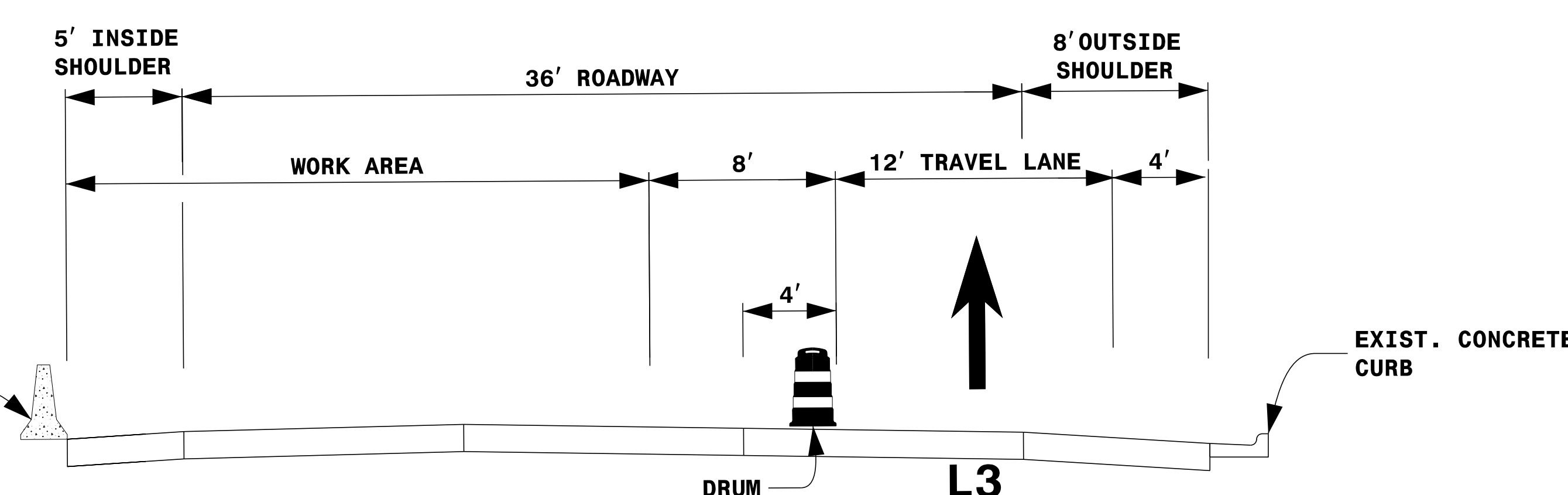
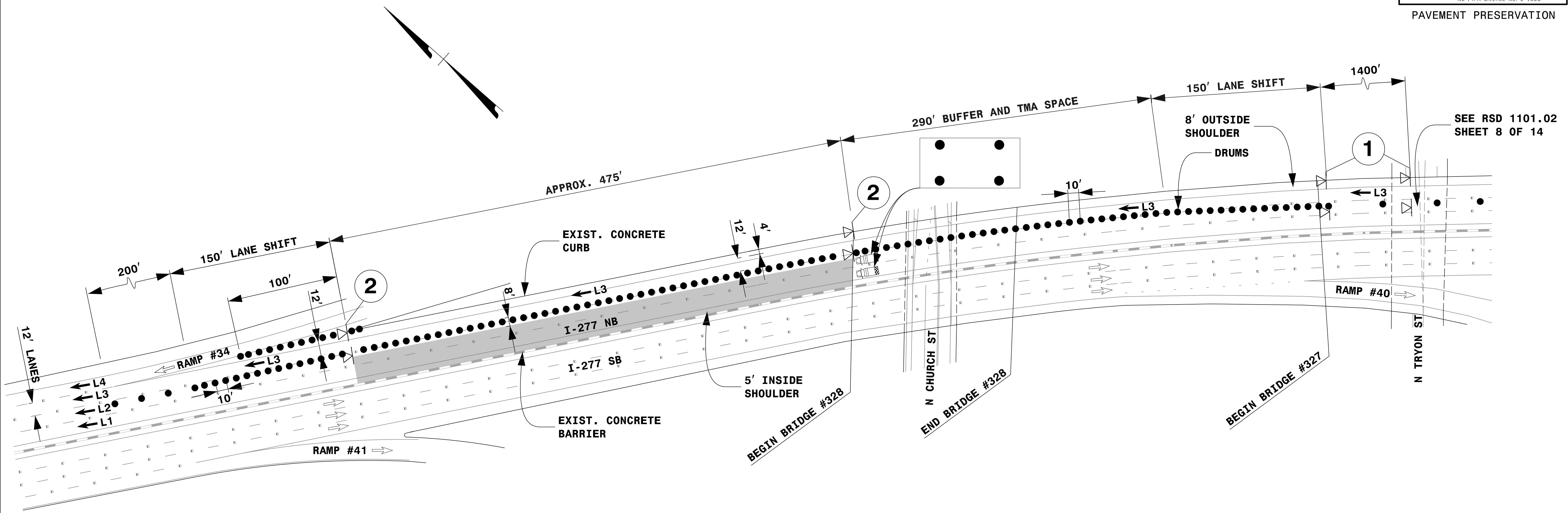
DocuSigned by:

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



**LANE CLOSURE DETAIL  
SECTION 5E  
NORTHBOUND  
(STEP 2 OF 2)**

8/5/2021 2:00:46 PM I-5746E\_TMP-32\_LANE\_CLOSURE\_DETAIL\_SECTION\_5E\_NORTHBOUND\_STEP\_2\_OF\_2.dgn  
 User: jduke



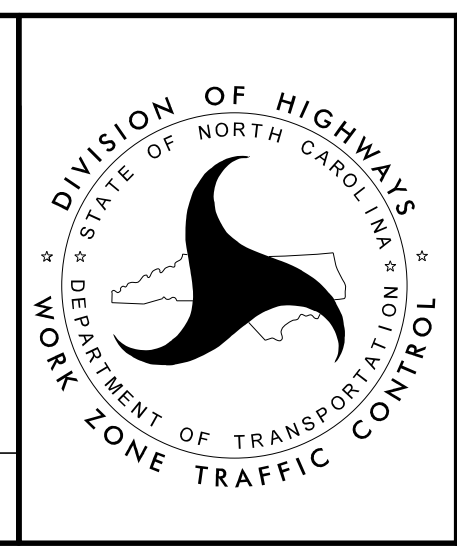
**LEGEND**

	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

- NOTES:**
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH RSD 1101.02 SHEET 8 OF 14.
  - FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  - FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  - SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  - TRAFFIC CONTROL DEVICES ① AND ② SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

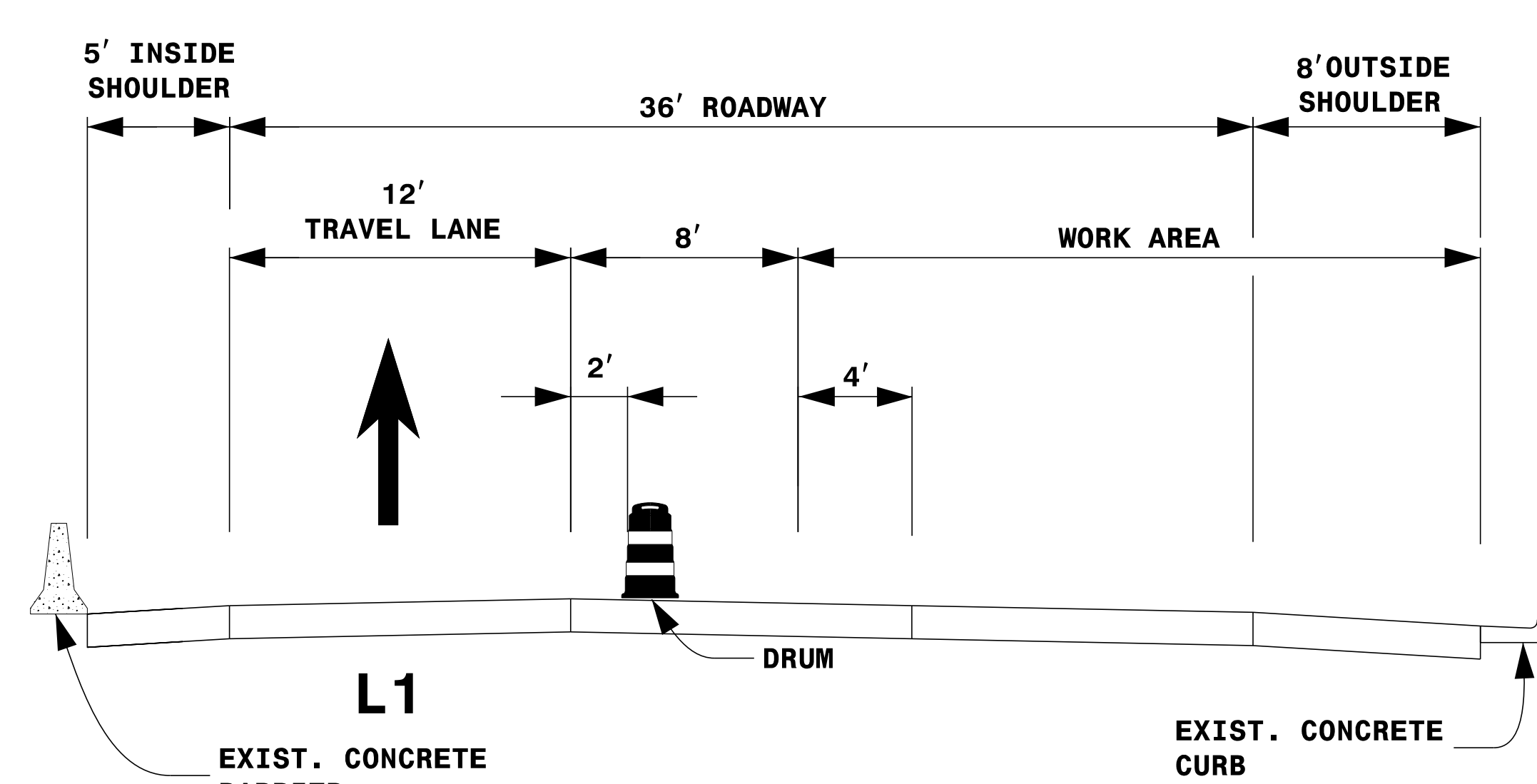
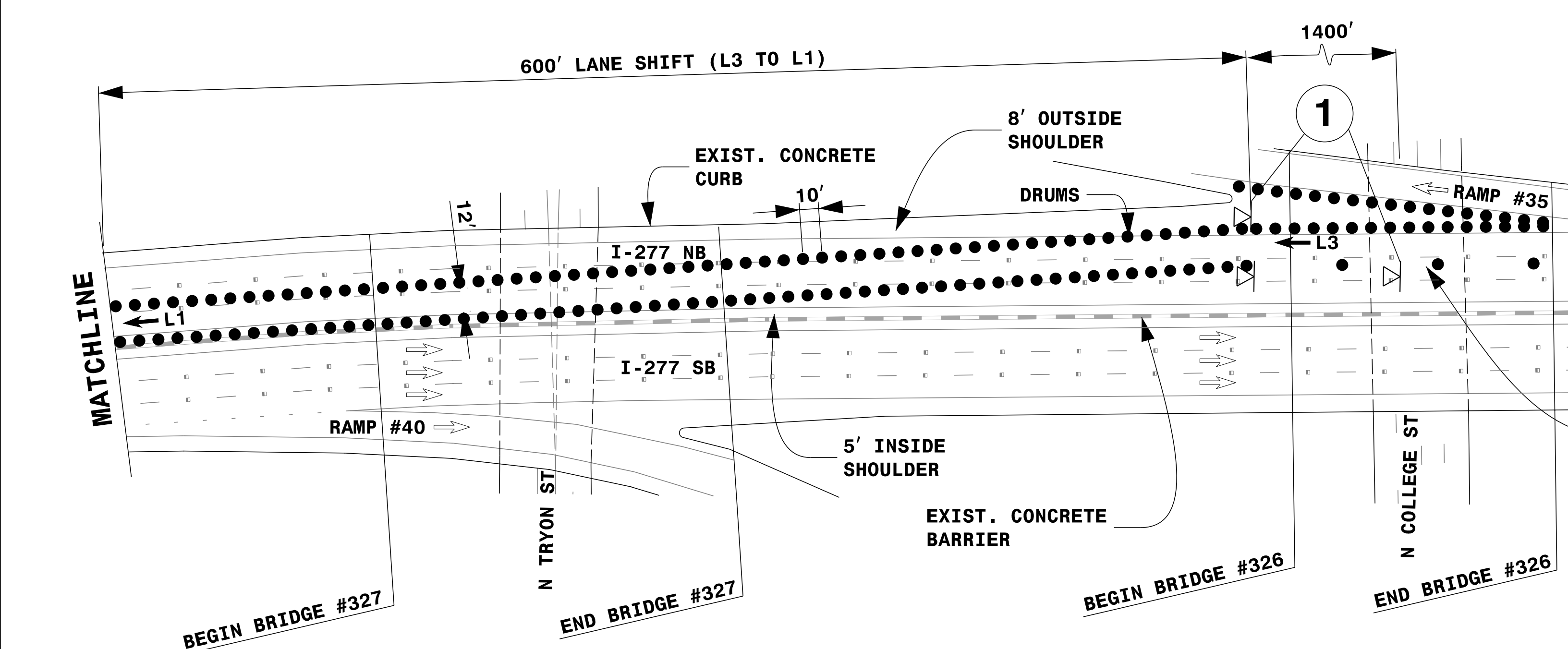
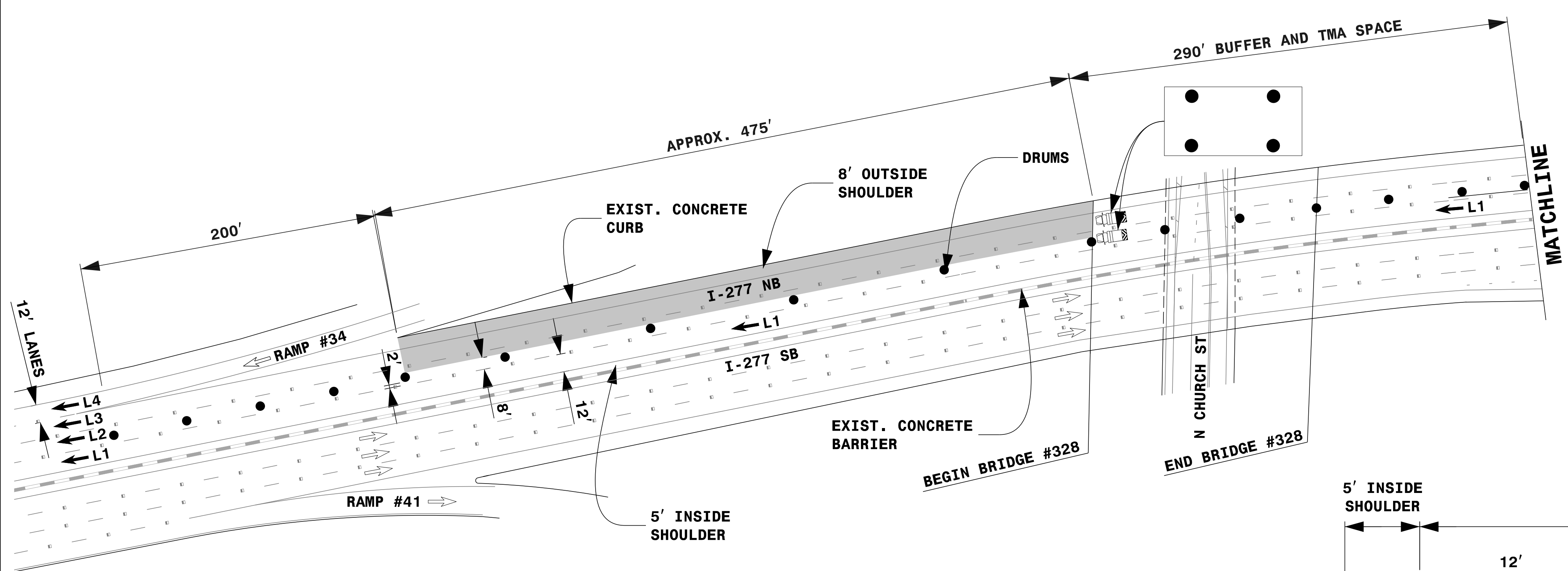
**TYPICAL SECTION SECTION 6E NORTHBOUND**

DocuSigned by:  
*John Mazeres*  
JOHN MAZERES  
ENGINEER  
SEAL 043935  
8/5/2021



**LANE CLOSURE DETAIL SECTION 6E NORTHBOUND (STEP 1 OF 2)**

8/5/2021 2:00:47 PM I-5746E\_TMP-33\_LANE\_CLOSURE\_DETAIL\_SECTION\_6E\_NORTHBOUND\_STEP\_1\_OF\_2.dgn User: jduke

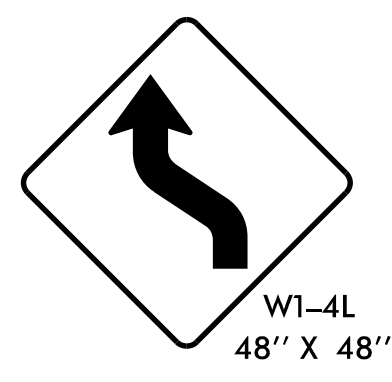


TYPICAL SECTION  
SECTION 6E NORTHBOUND

SEE RSD 1101.02  
SHEET 8 OF 14

LEGEND	
	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

- NOTES:**
1. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH RSD 1101.02 SHEET 8 OF 14.
  2. FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  3. FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  4. SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  5. TRAFFIC CONTROL DEVICE ① SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

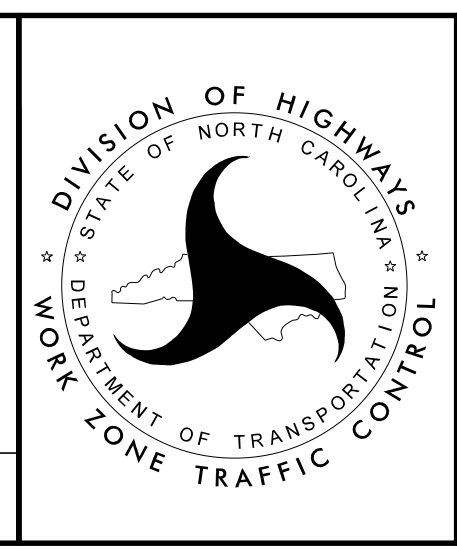


①

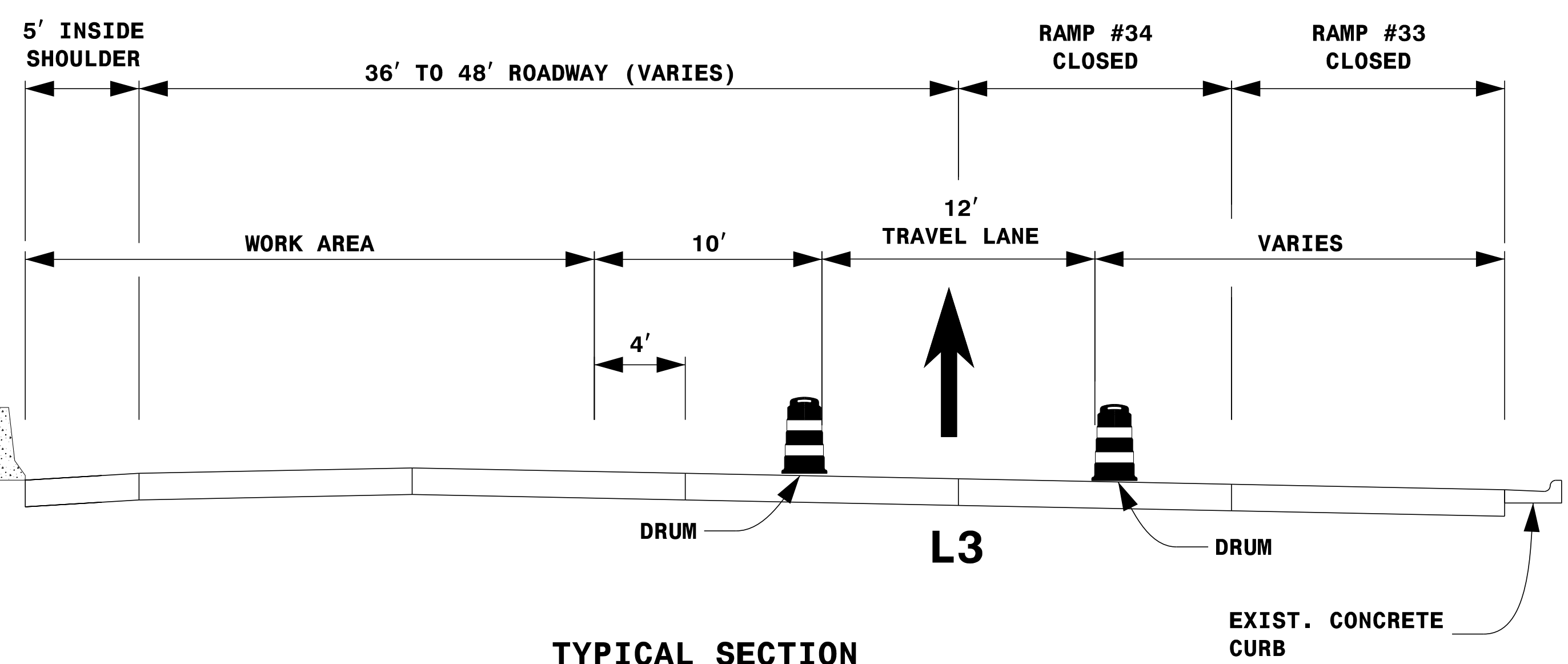
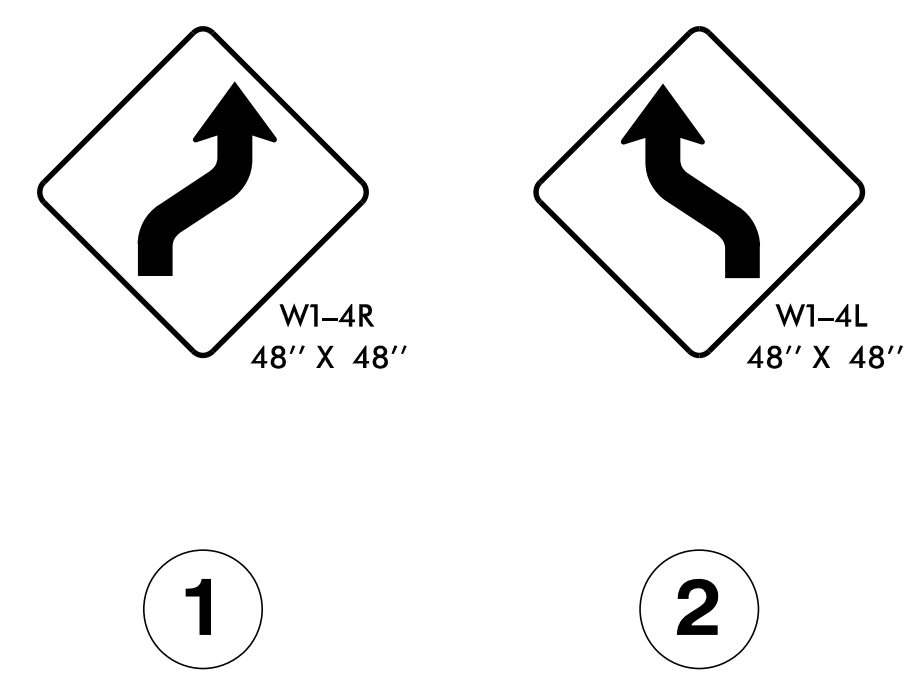
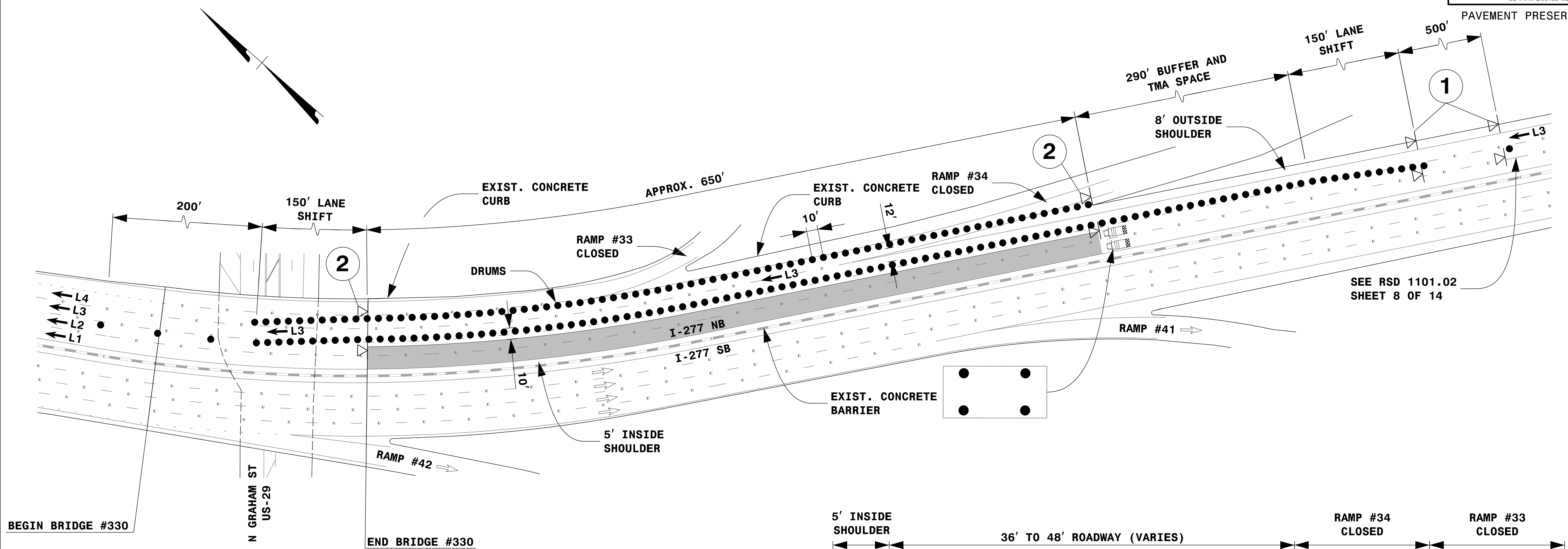
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DocuSigned by:

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UNLESS ALL SIGNATURES COMPLETED



LANE CLOSURE DETAIL  
SECTION 6E  
NORTHBOUND  
(STEP 2 OF 2)



**TYPICAL SECTION  
SECTIONS 7E & 8E NORTHBOUND**

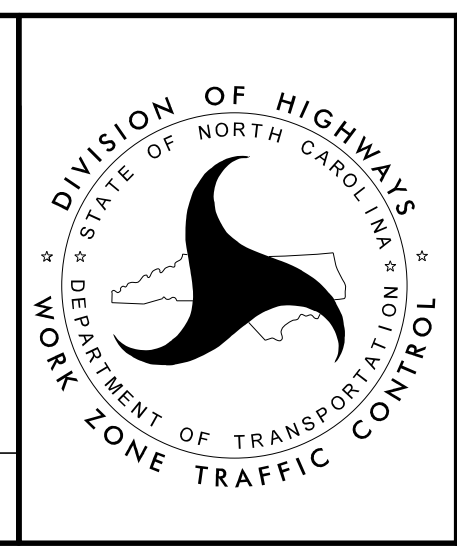
**LEGEND**

	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96" X 48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

**NOTES:**

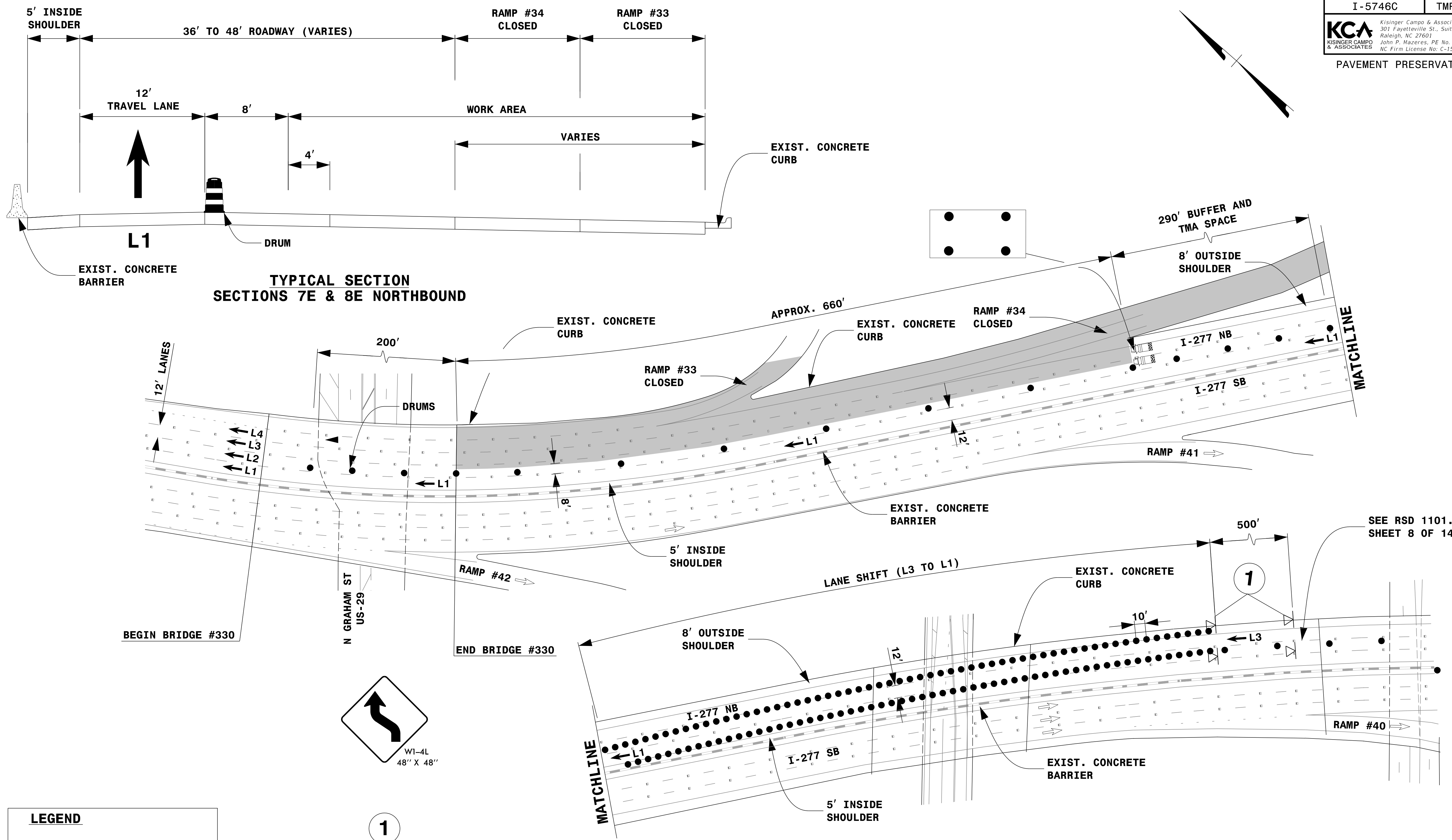
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-8 (OFFSITE DETOUR #33), TMP-10 (OFFSITE DETOUR #34B) AND RSD 1101.02 SHEET 8 OF 14.
- FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
- FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
- SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
- TRAFFIC CONTROL DEVICES (1) AND (2) SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
John P. Mazeres  
Professional Engineer  
SEAL 043935  
8/5/2021

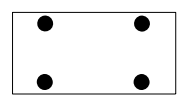
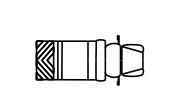





**LANE CLOSURE DETAIL  
SECTIONS 7E & 8E  
NORTHBOUND  
(STEP 1 OF 2)**

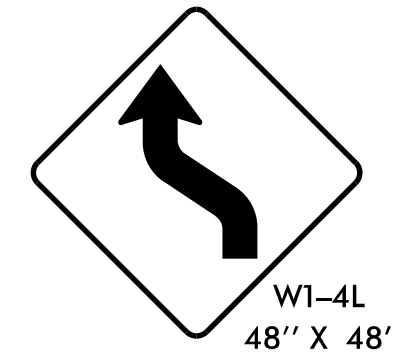
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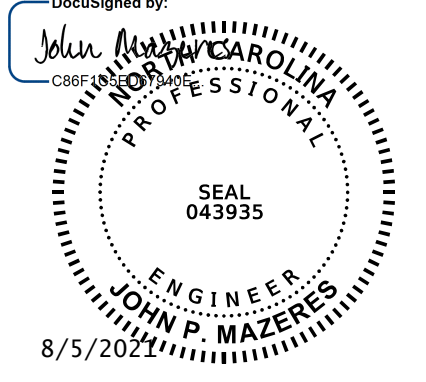
**TYPICAL SECTION  
SECTIONS 7E & 8E NORTHBOUND**

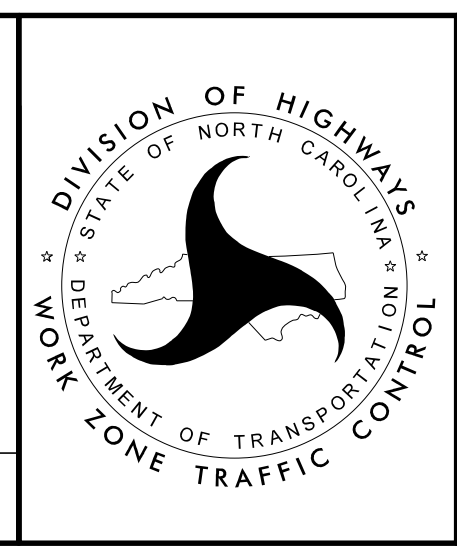
LEGEND	
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

- NOTES:**
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-8 (OFFSITE DETOUR #33), TMP-10 (OFFSITE DETOUR #34B) AND RSD 1101.02 SHEET 8 OF 14.
  - FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  - FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  - SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  - TRAFFIC CONTROL DEVICE **1** SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.




**1**

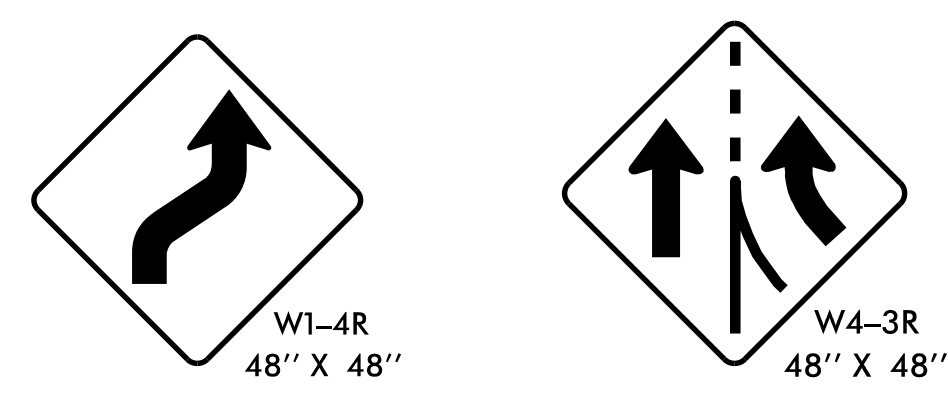
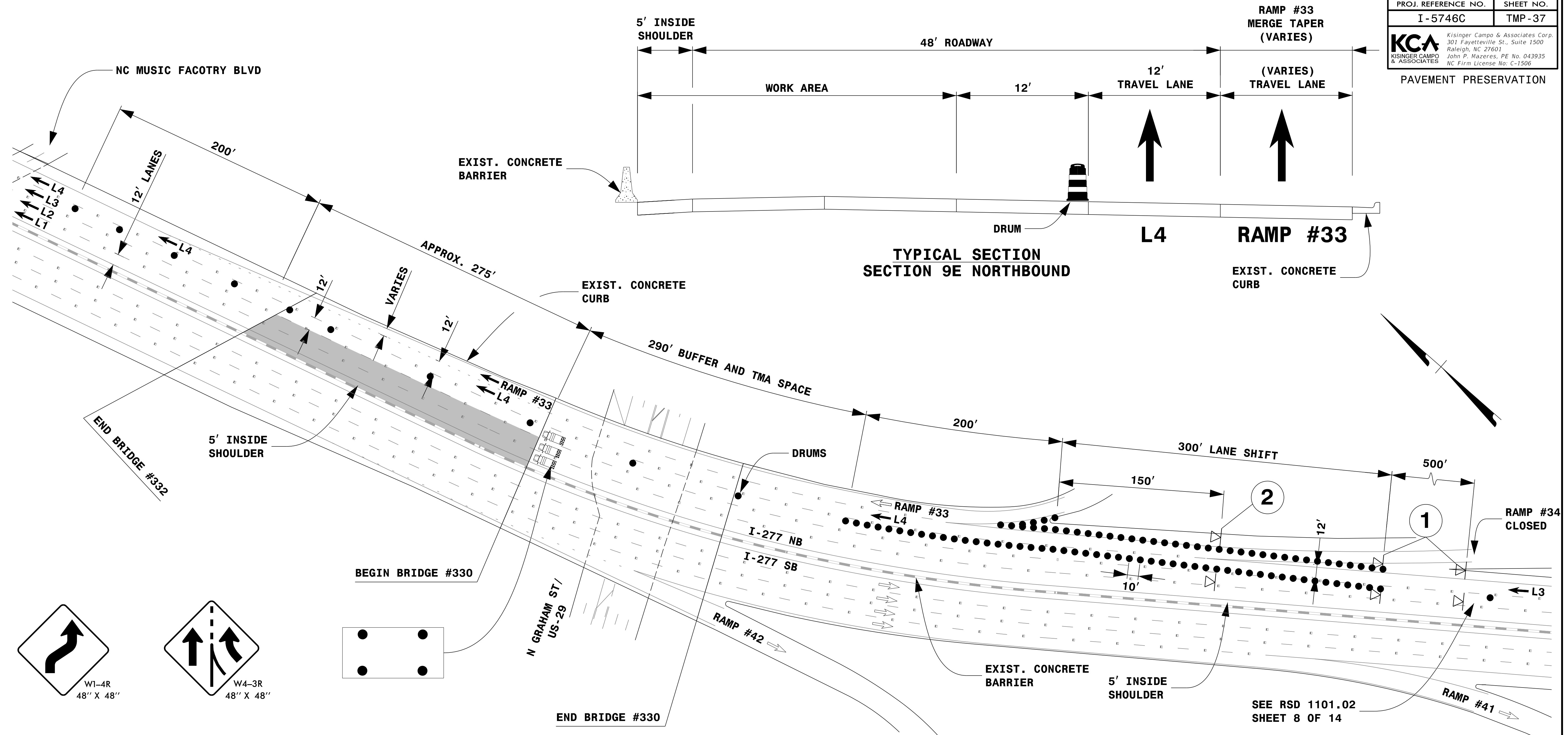
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**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

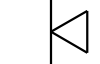
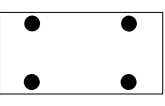
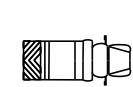





**LANE CLOSURE DETAIL  
SECTIONS 7E & 8E  
NORTHBOUND  
(STEP 2 OF 2)**

8/5/2021 2:00:50 PM I5746E\_TMP-36\_LANE\_CLOSURE\_DETAIL\_SECTION\_7E\_8E\_NORTHBOUND (STEP 2 OF 2).dgn  
 User: jduke

PROJ. REFERENCE NO. I-5746C	SHEET NO. TMP-37
 Kisinger Campo & Associates Corp. 301 Fayetteville St., Suite 1500 Raleigh, NC 27601 John P. Mazeres, PE No. 043935 NC Firm License No. C-1506	
PAVEMENT PRESERVATION	



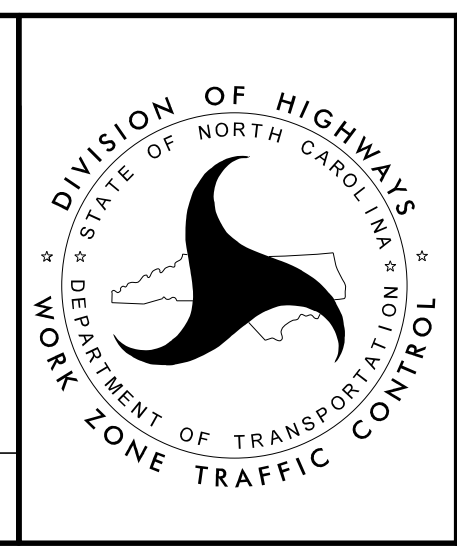
LEGEND	
	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

NOTES:

- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-9 (OFFSITE DETOUR #34A) AND RSD 1101.02 SHEET 8 OF 14.
- FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
- FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
- SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
- TRAFFIC CONTROL DEVICES 1 AND 2 SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
John P. Mazeres, PE  
Professional Engineer  
SEAL 043935  
8/5/2021

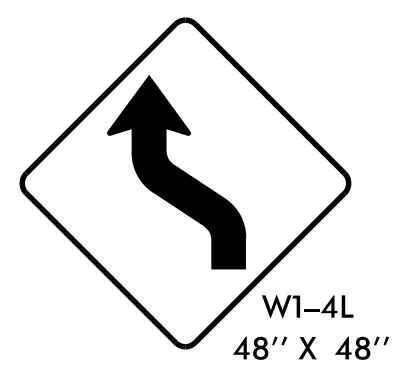
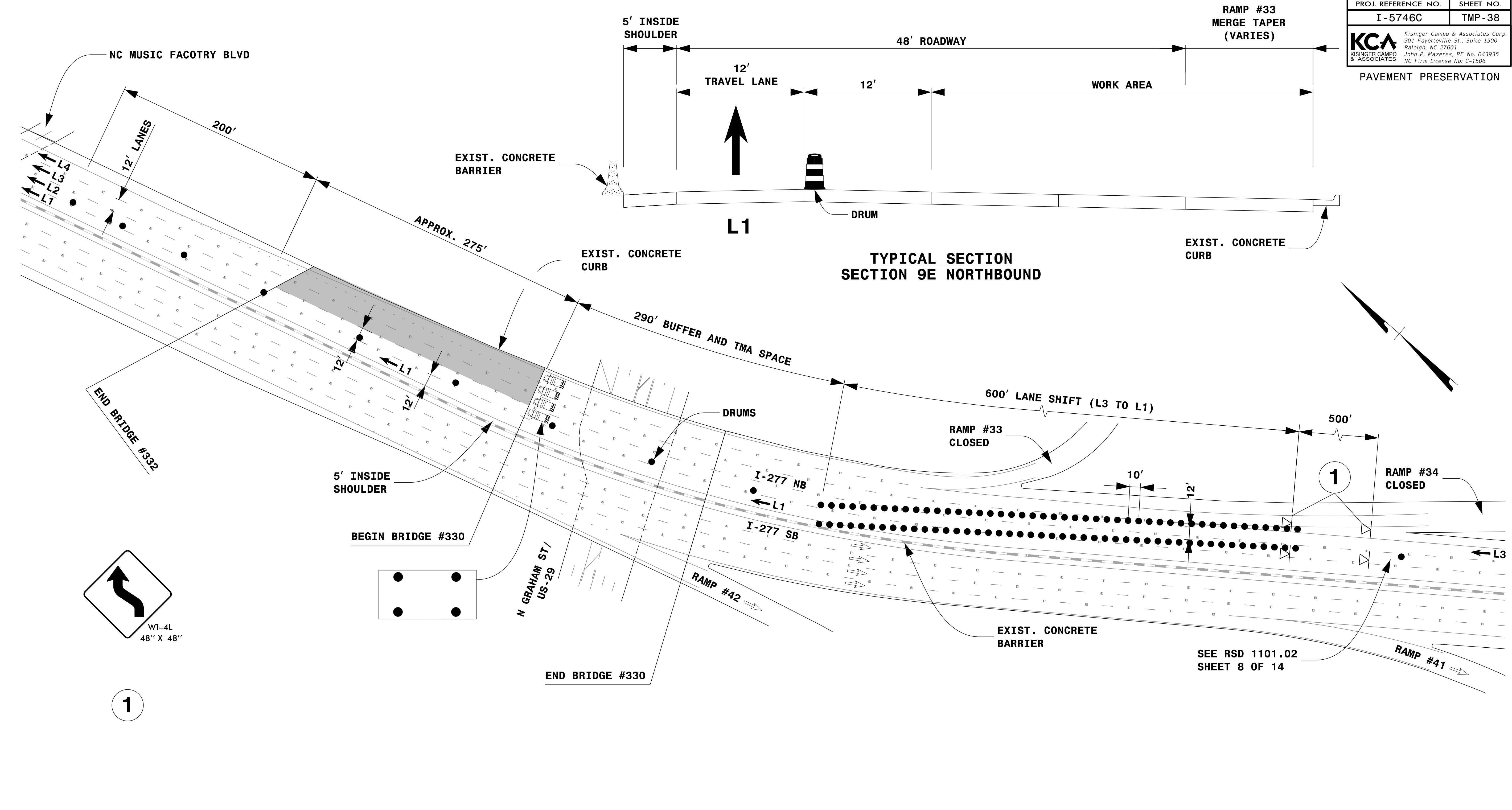
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UNLESS ALL SIGNATURES COMPLETED




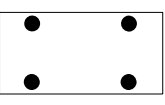
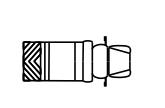



LANE CLOSURE DETAIL  
SECTION 9E  
NORTHBOUND  
(STEP 1 OF 2)

8/5/2021  
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 User: jduke



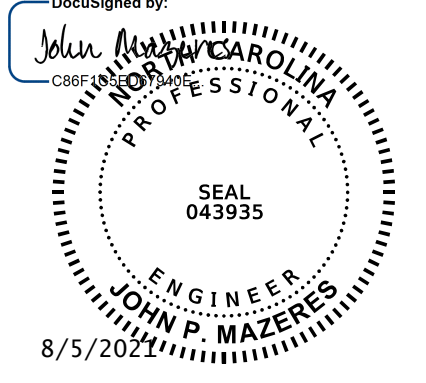


1

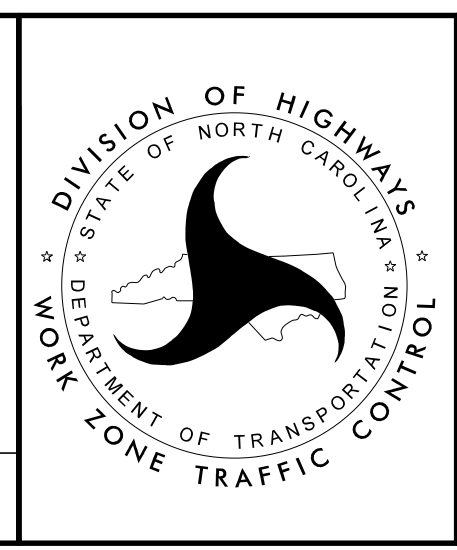
LEGEND	
	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96" X 48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

**NOTES:**

1. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-8 (OFFSITE DETOUR #33), TMP-10 (OFFSITE DETOUR #34B) AND RSD 1101.02 SHEET 8 OF 14.
2. FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
3. FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
4. SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
5. TRAFFIC CONTROL DEVICE (1) SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
  
 8/5/2021

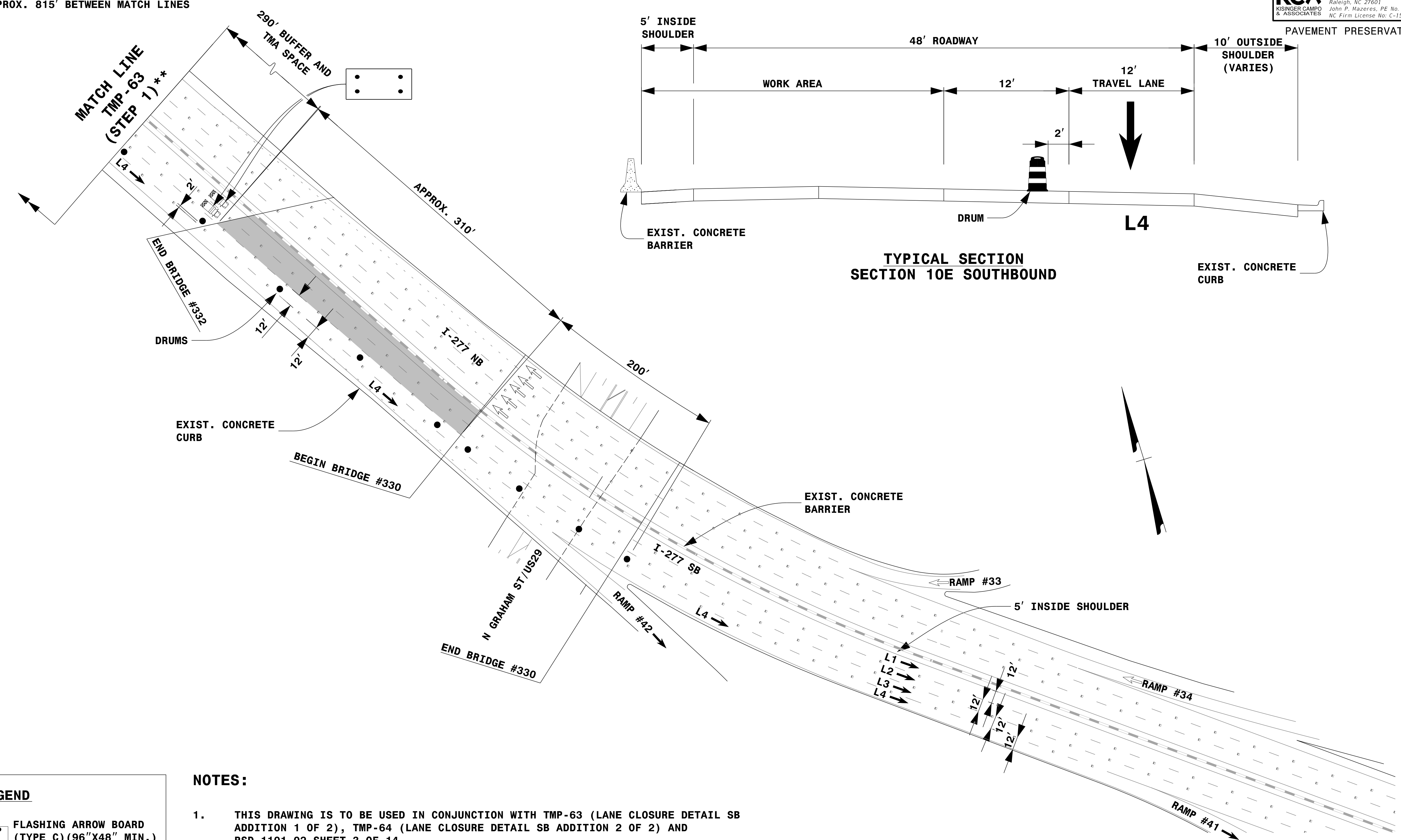
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**



**LANE CLOSURE DETAIL SECTION 9E NORTHBOUND (STEP 2 OF 2)**

8/5/2021 2:00:52 PM I-5746E-TMP-38-LANE CLOSURE DETAIL SECTION 9E NORTHBOUND (STEP 2 OF 2).dgn User: jduke

\*\* APPROX. 815' BETWEEN MATCH LINES



TYPICAL SECTION SECTION 10E SOUTHBOUND

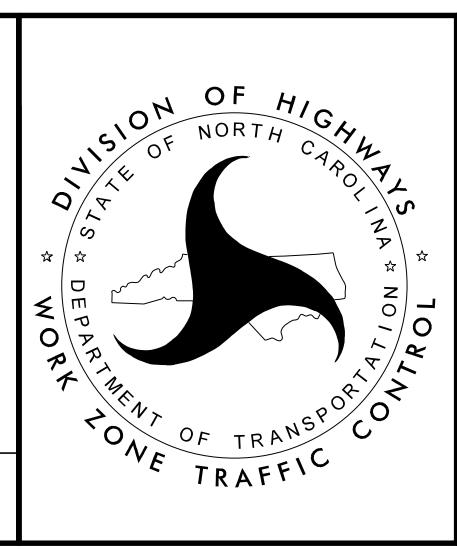
**LEGEND**

- FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
- TRUCK MOUNTED ATTENUATOR (TMA)
- WORK AREA
- DIRECTION OF TRAFFIC FLOW
- TRAFFIC DRUM

**NOTES:**

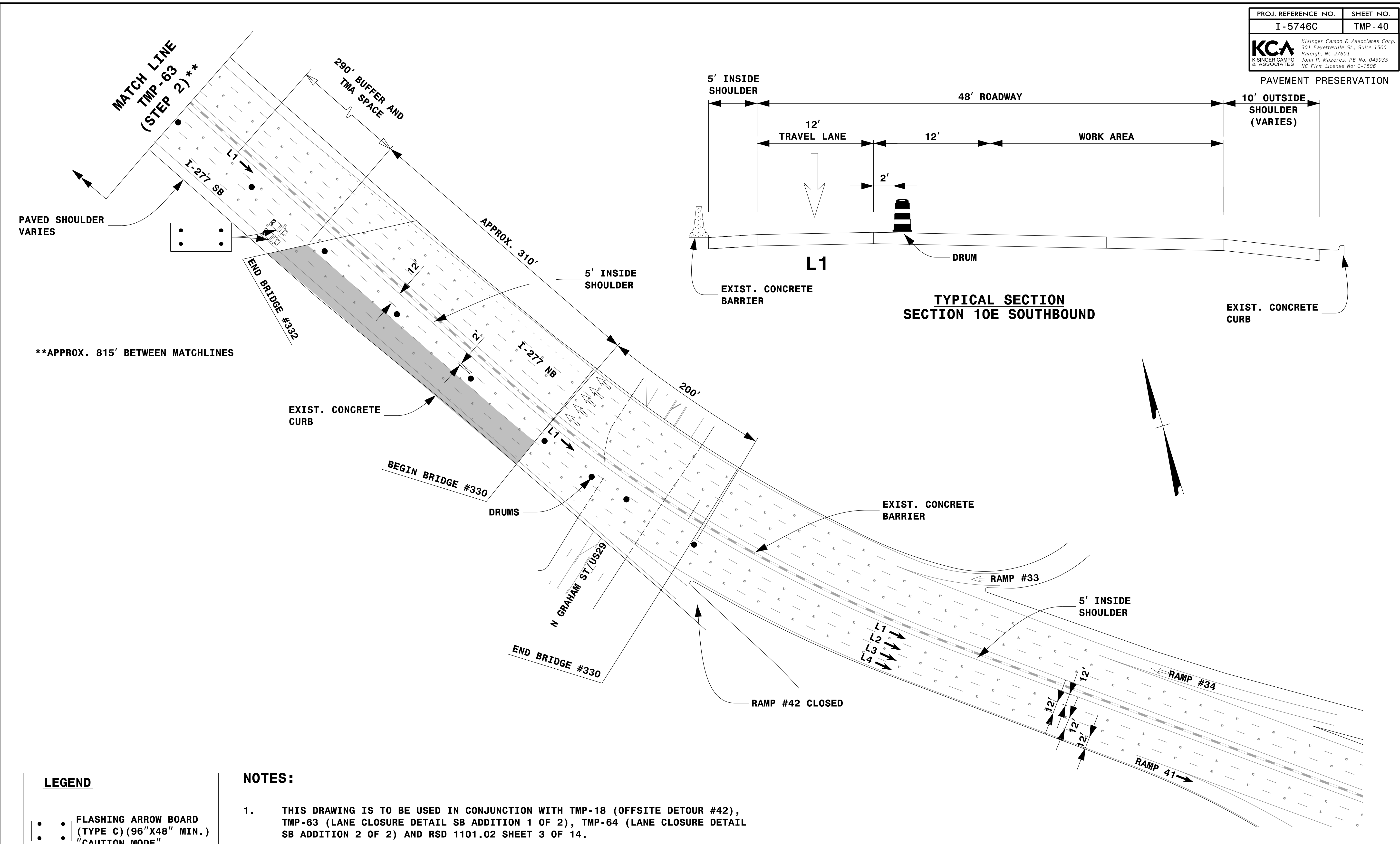
1. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-63 (LANE CLOSURE DETAIL SB ADDITION 1 OF 2), TMP-64 (LANE CLOSURE DETAIL SB ADDITION 2 OF 2) AND RSD 1101.02 SHEET 3 OF 14.
2. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-6C (PHASING NOTES SHEET 3 OF 3) I-77 HOT LANES CLOSURE MAP DETAIL TO CLOSE THE SB HOT LANES.
3. FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
4. FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
5. SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR BRIDGE LOCATION.
6. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
*John P. Mazeres*  
JOHN P. MAZERES  
ENGINEER  
SEAL 043935  
8/5/2021



LANE CLOSURE DETAIL  
SECTION 10E  
SOUTHBOUND  
(STEP 1 OF 2)

8/5/2021 2:00:53 PM I-5746C-TMP-39-LANE CLOSURE DETAIL SECTION 10E SOUTHBOUND (STEP 1 OF 2).dgn User: jduke



PAVED SHOULDER VARIES

\*\*APPROX. 815' BETWEEN MATCHLINES

LEGEND	
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

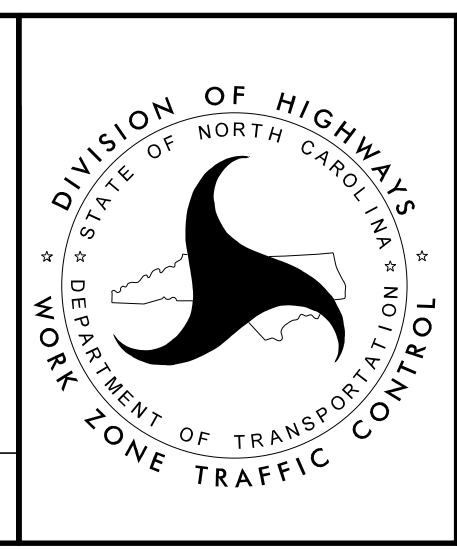
**NOTES:**

1. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-18 (OFFSITE DETOUR #42), TMP-63 (LANE CLOSURE DETAIL SB ADDITION 1 OF 2), TMP-64 (LANE CLOSURE DETAIL SB ADDITION 2 OF 2) AND RSD 1101.02 SHEET 3 OF 14.
2. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-6C (PHASING NOTES SHEET 3 OF 3) I-77 HOT LANES CLOSURE MAP DETAIL TO CLOSE THE SB HOT LANES.
3. FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
4. FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
5. SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR BRIDGE LOCATION.
6. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

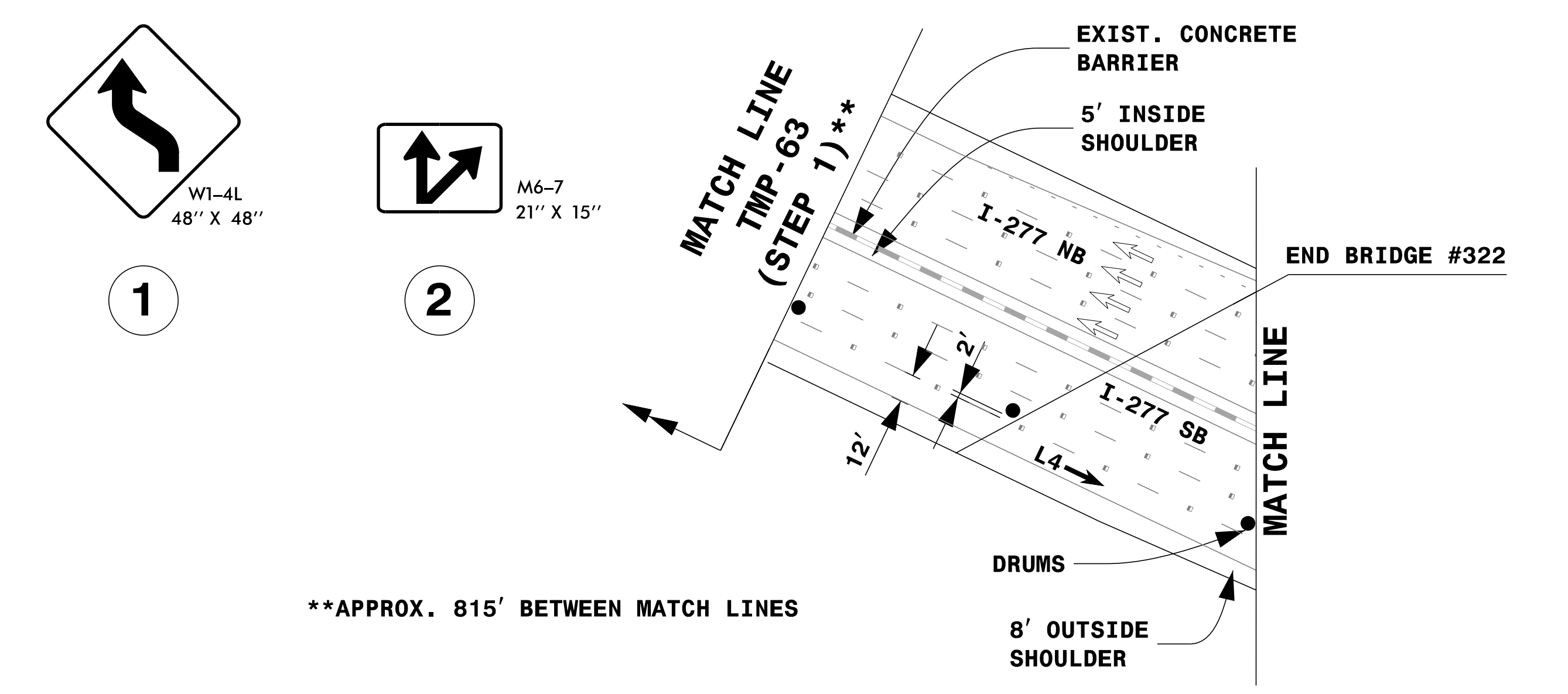
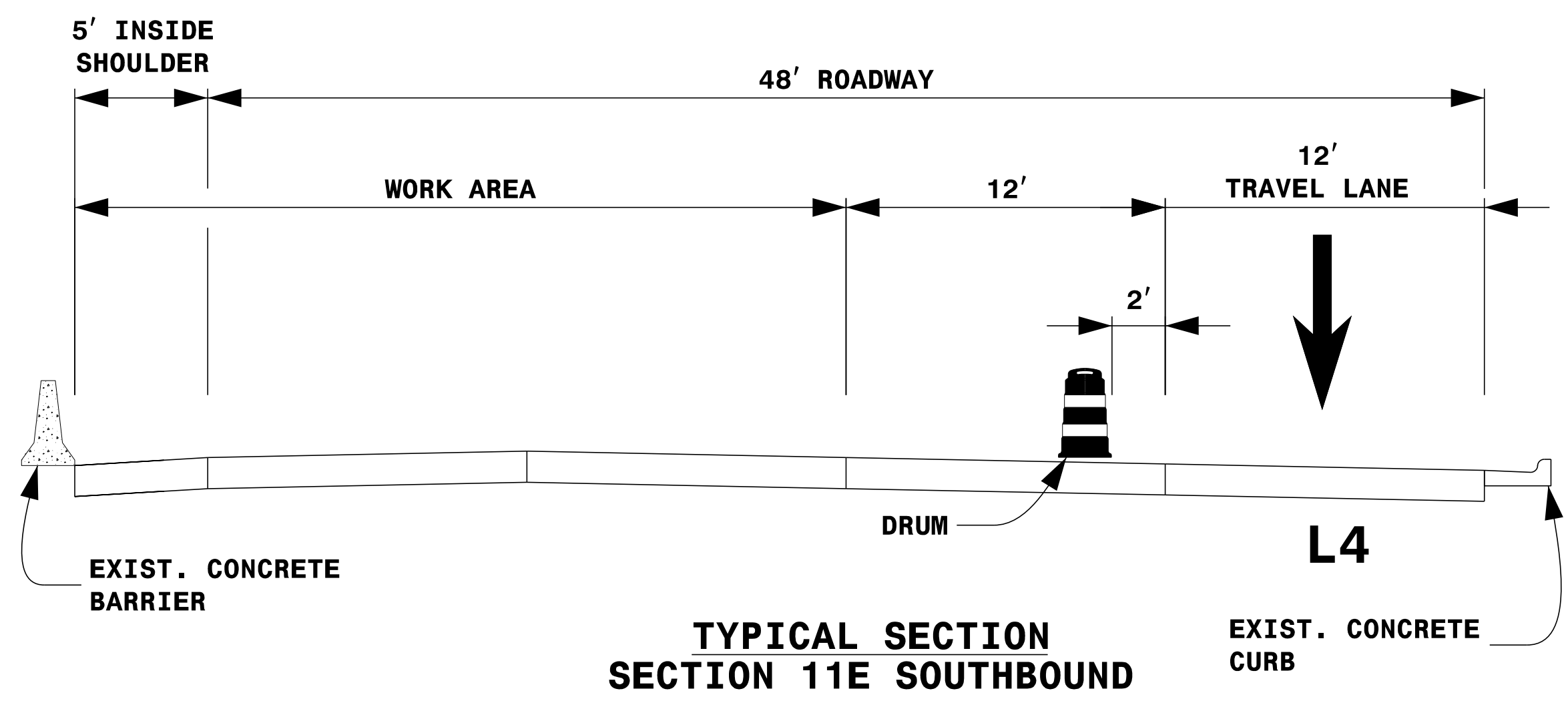
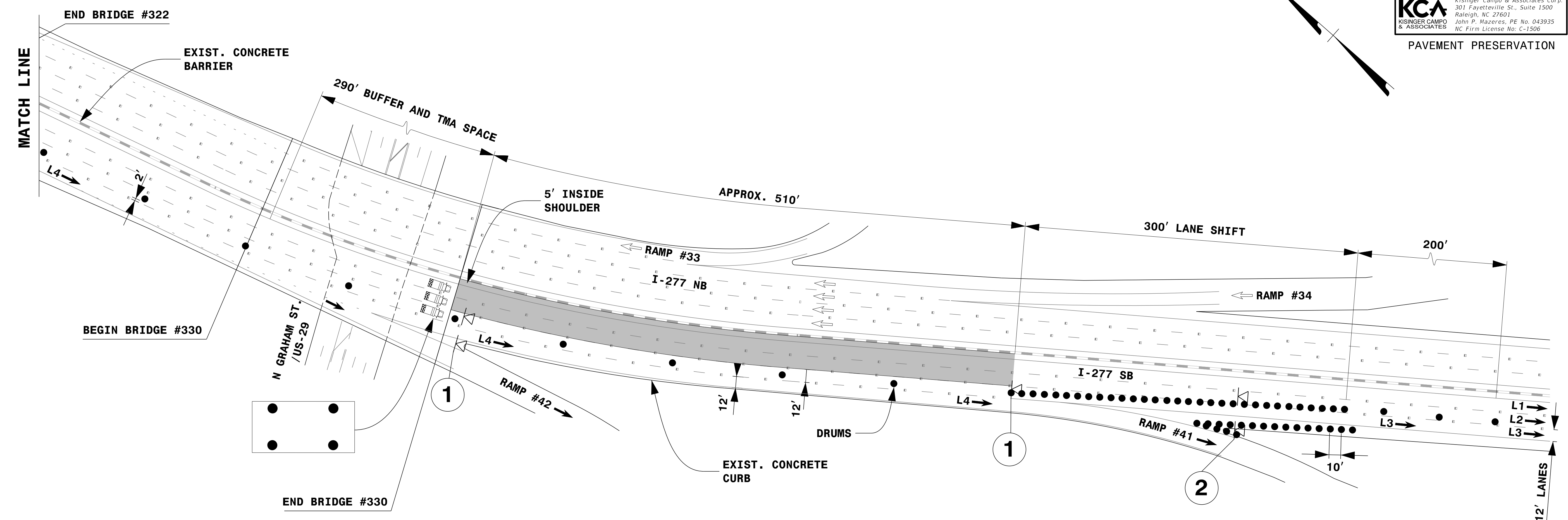
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DocuSigned by:  
John P. Mazeres, PE  
SEAL  
043935  
ENGINEER  
JOHN P. MAZERES  
8/5/2021

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



LANE CLOSURE DETAIL  
SECTION 10E  
SOUTHBOUND  
(STEP 2 OF 2)



\*\*APPROX. 815' BETWEEN MATCH LINES

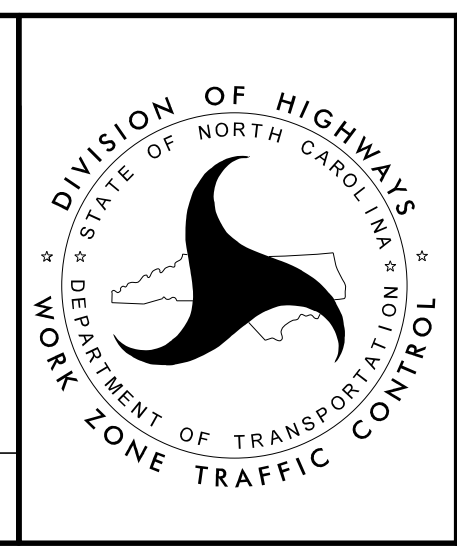
**LEGEND**

	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

- NOTES:**
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-63 (LANE CLOSURE DETAIL SB ADDITION 1 OF 2), TMP-64 (LANE CLOSURE DETAIL SB ADDITION 2 OF 2) AND RSD 1101.02 SHEET 3 OF 14.
  - THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-6C (PHASING NOTES SHEET 3 OF 3) I-77 HOT LANES CLOSURE MAP DETAIL TO CLOSE THE SB HOT LANES.
  - FOR ENTRANCE AND EXIT RAMP SIGGING, REFER TO RSD 1101.01, DETAIL B & C.
  - FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  - SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  - TRAFFIC CONTROL DEVICES ① AND ② SHALL BE INSTALLED AS PER ENGINEER'S INSTRUCTIONS.

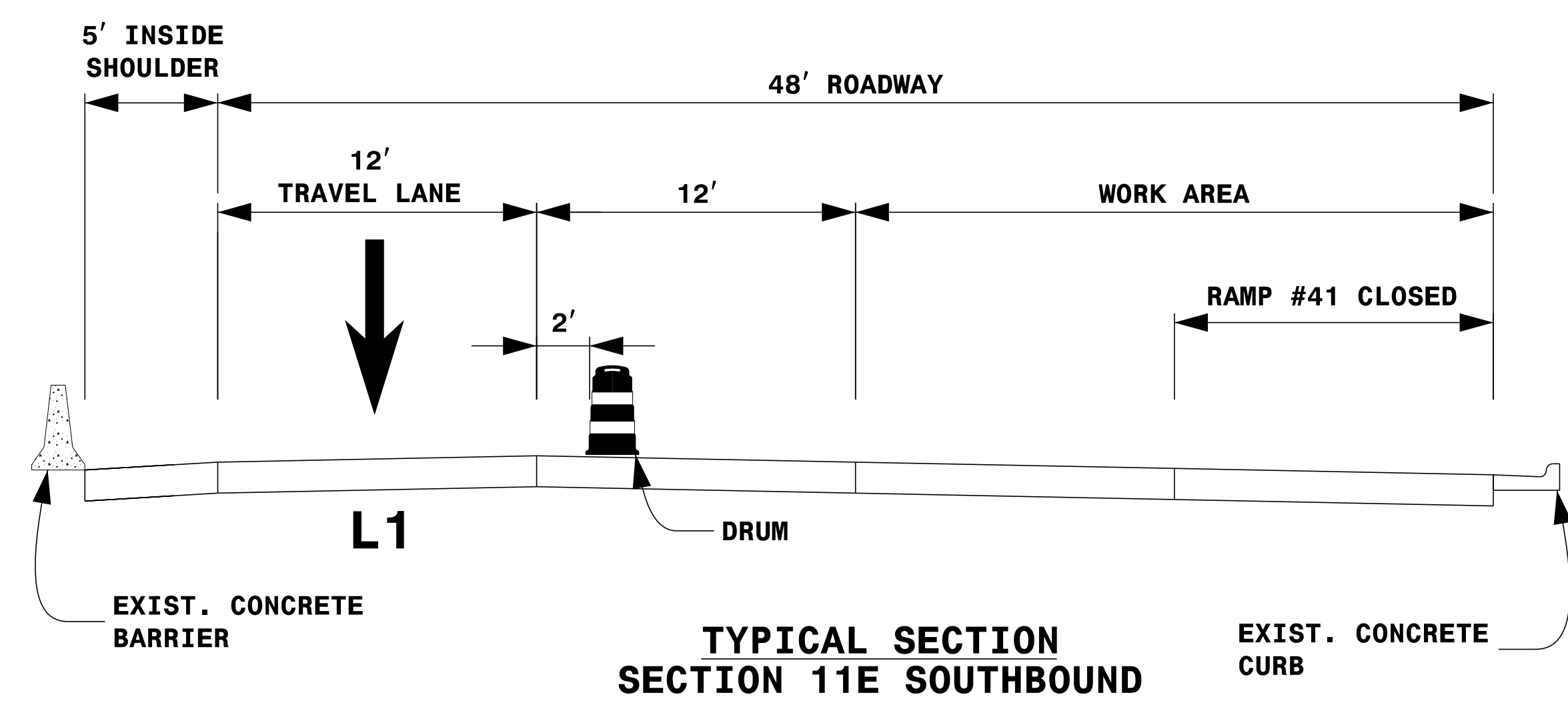
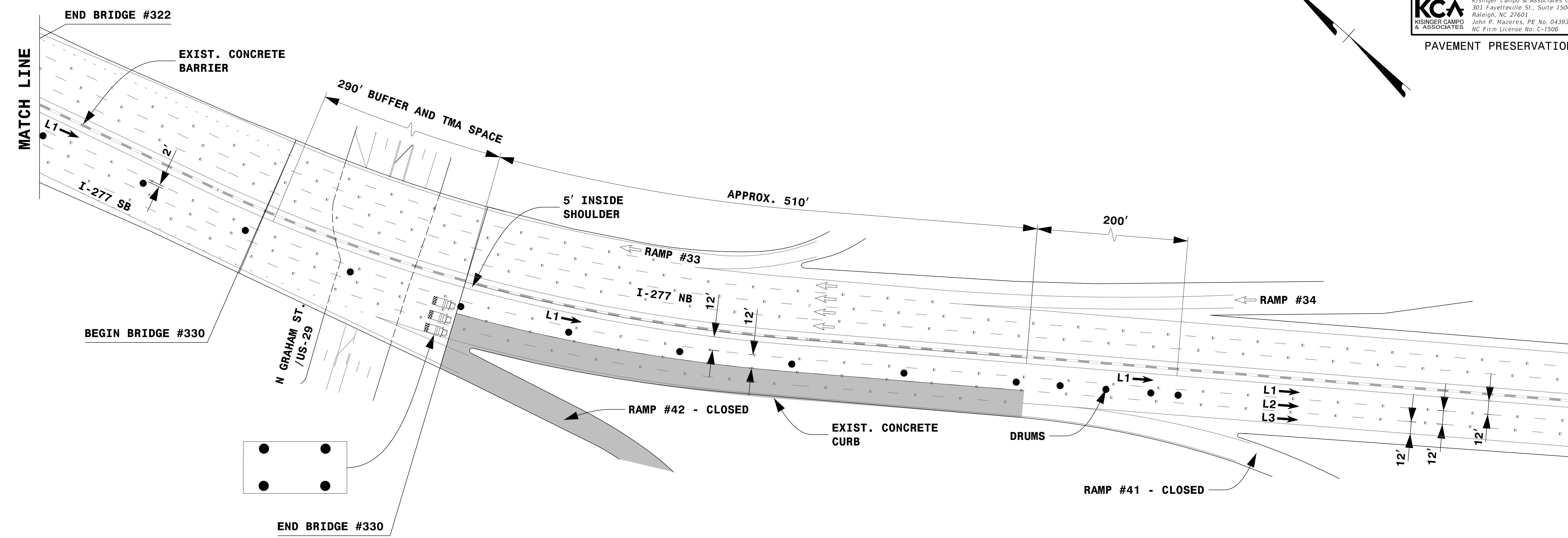
DocuSigned by:  
John P. Mazeres, PE  
SEAL  
043935  
ENGINEER  
JOHN P. MAZERES  
8/5/2021

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

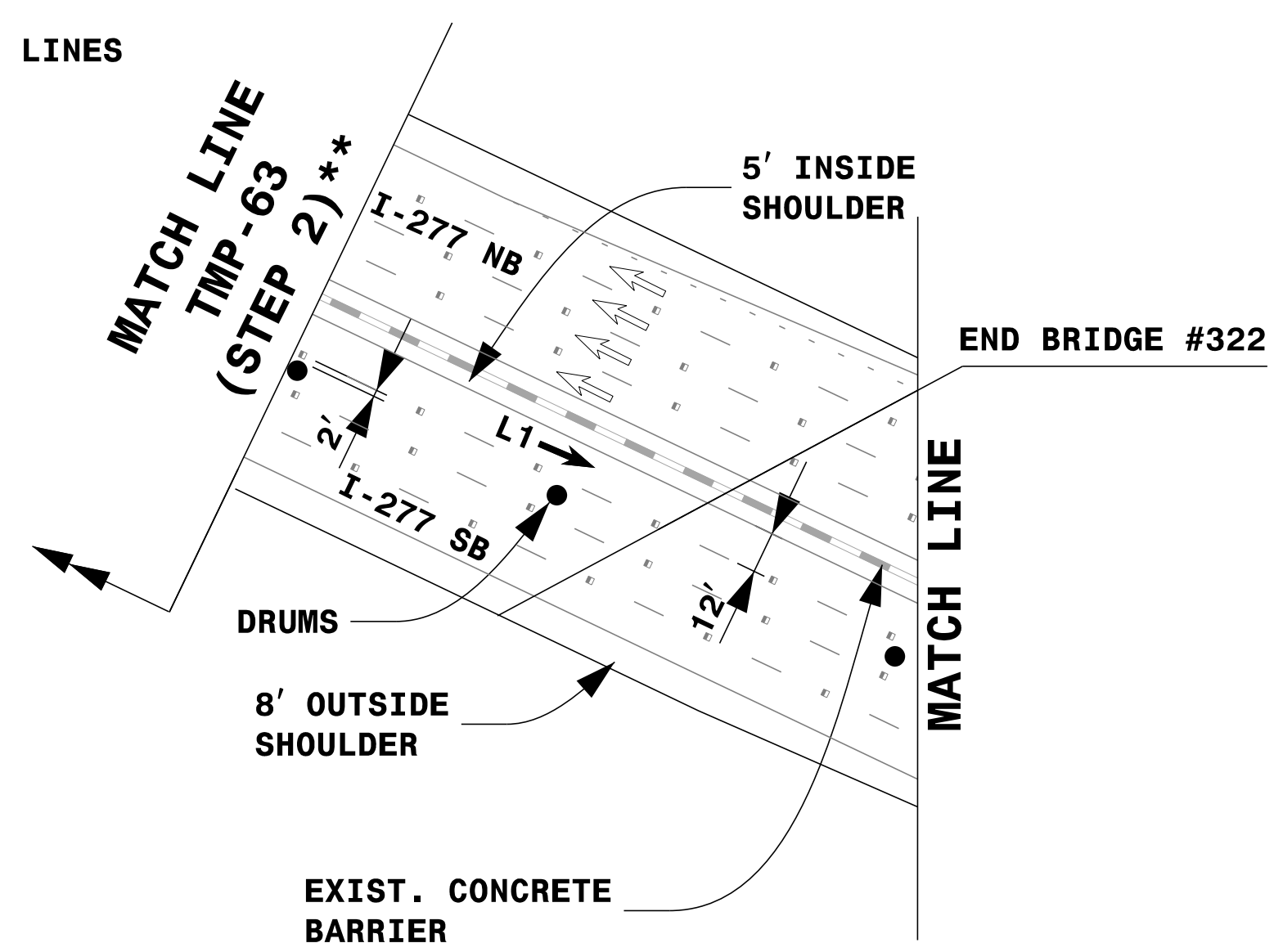


LANE CLOSURE DETAIL  
SECTION 11E  
SOUTHBOUND  
(STEP 1 OF 2)

8/5/2021 2:00:55 PM I-5746E-TMP-41-LANE CLOSURE DETAIL SECTION 11E SOUTHBOUND (STEP 1 OF 2).dgn User: jduke



\*\*APPROX. 815' BETWEEN MATCH LINES



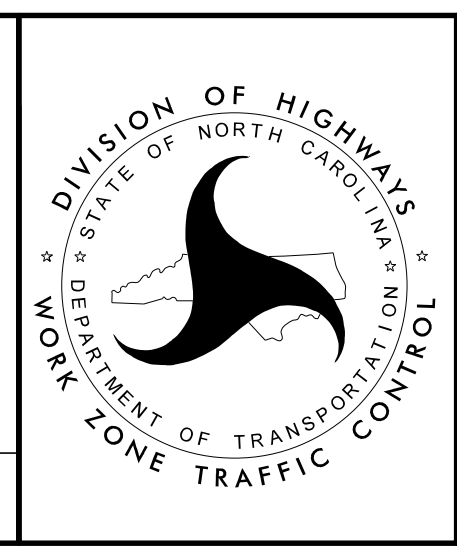
**LEGEND**

	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

- NOTES:**
1. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-19 (OFFSITE DETOUR #41 & #42 ALT.), TMP-63 (LANE CLOSURE DETAIL SB ADDITION 1 OF 2), TMP-64 (LANE CLOSURE SB ADDITION 2 OF 2) AND RSD 1101.02 SHEET 3 OF 14.
  2. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-6C (PHASING NOTES SHEET 3 OF 3) I-77 HOT LANES CLOSURE MAP DETAIL TO CLOSE THE SB HOT LANES.
  3. FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  4. FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  5. SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  6. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

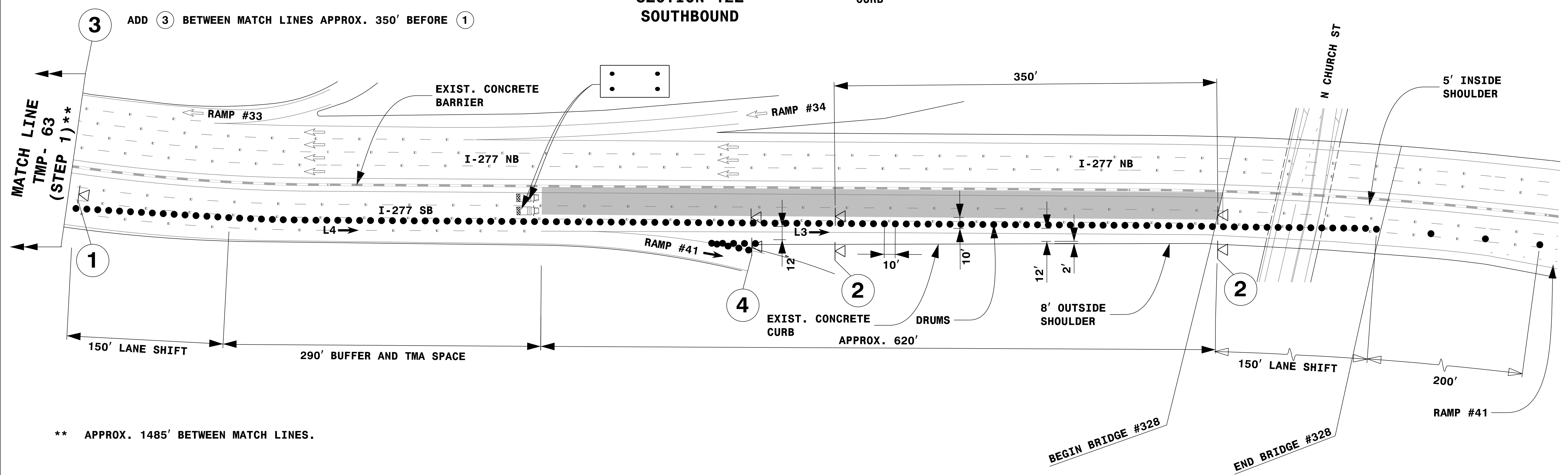
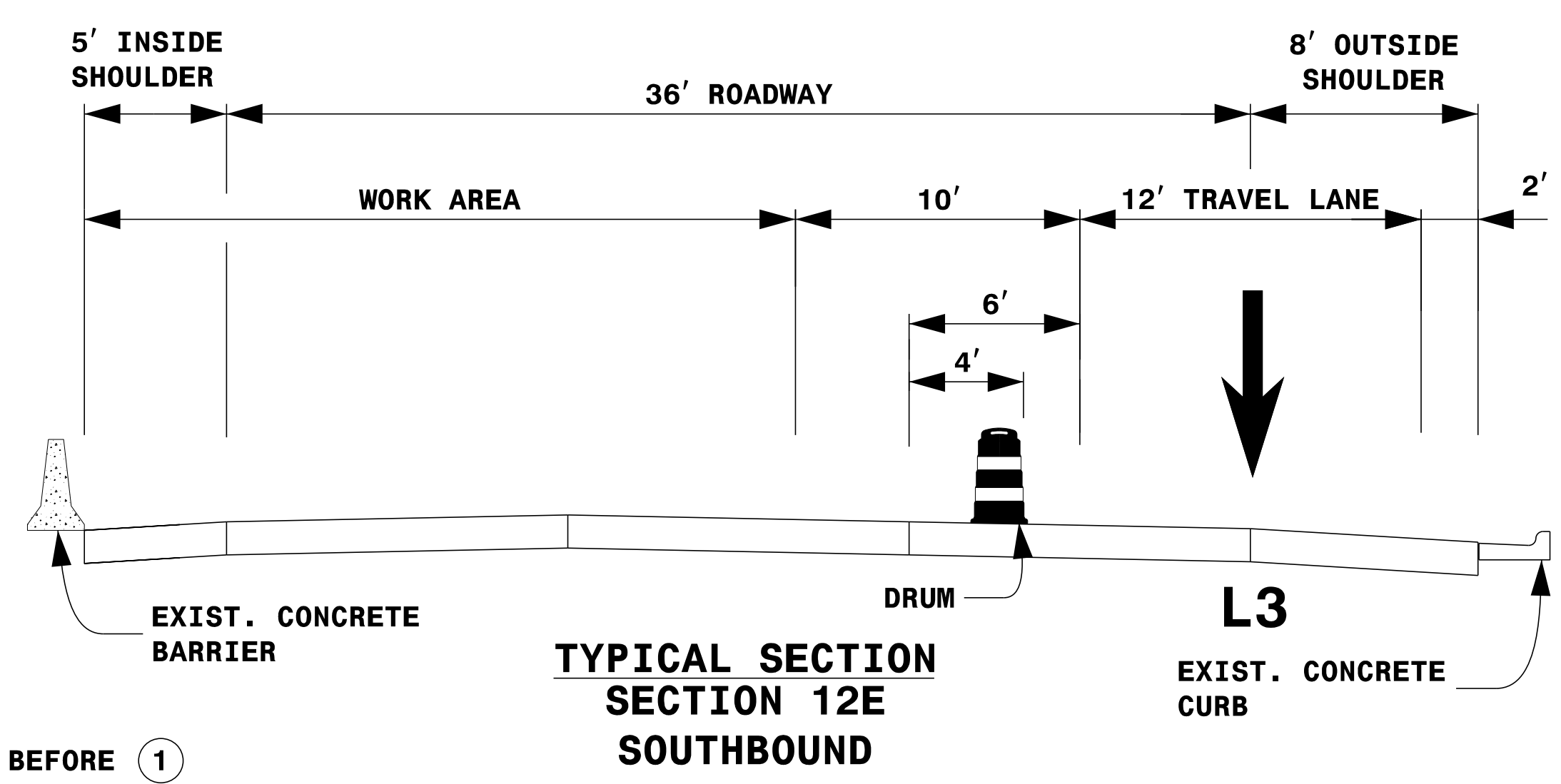
DocuSigned by:  
John P. Mazeres  
Professional Engineer  
SEAL  
043935  
8/5/2021

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

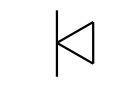
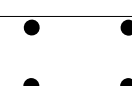






LANE CLOSURE DETAIL  
SECTION 11E  
SOUTHBOUND  
(STEP 2 OF 2)

8/5/2021 2:00:56 PM I-5746E\_TMP-42\_LANE\_CLOSURE\_DETAIL\_SECTION\_11E\_SOUTHBOUND\_STEP\_2\_OF\_2.dgn User:tduke



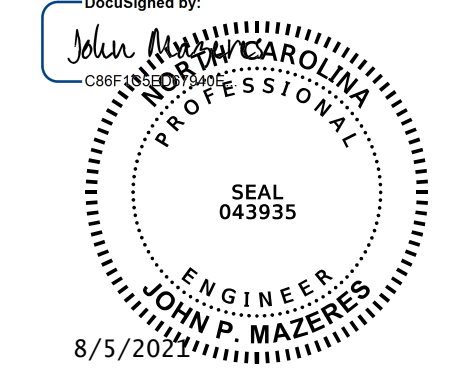
\*\* APPROX. 1485' BETWEEN MATCH LINES.


LEGEND	
	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96" X 48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

**NOTES:**

- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-63 (LANE CLOSURE DETAIL SB ADDITION 1 OF 2), TMP-64 (LANE CLOSURE DETAIL SB ADDITION 2 OF 2) AND RSD 1101.02 SHEET 3 OF 14.
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-6C (PHASING NOTES SHEET 3 OF 3) I-77 HOT LANES CLOSURE MAP DETAIL TO CLOSE THE SB HOT LANES.
- FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
- FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
- SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR BRIDGE LOCATION.
- TRAFFIC CONTROL DEVICES ① THRU ④ SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.



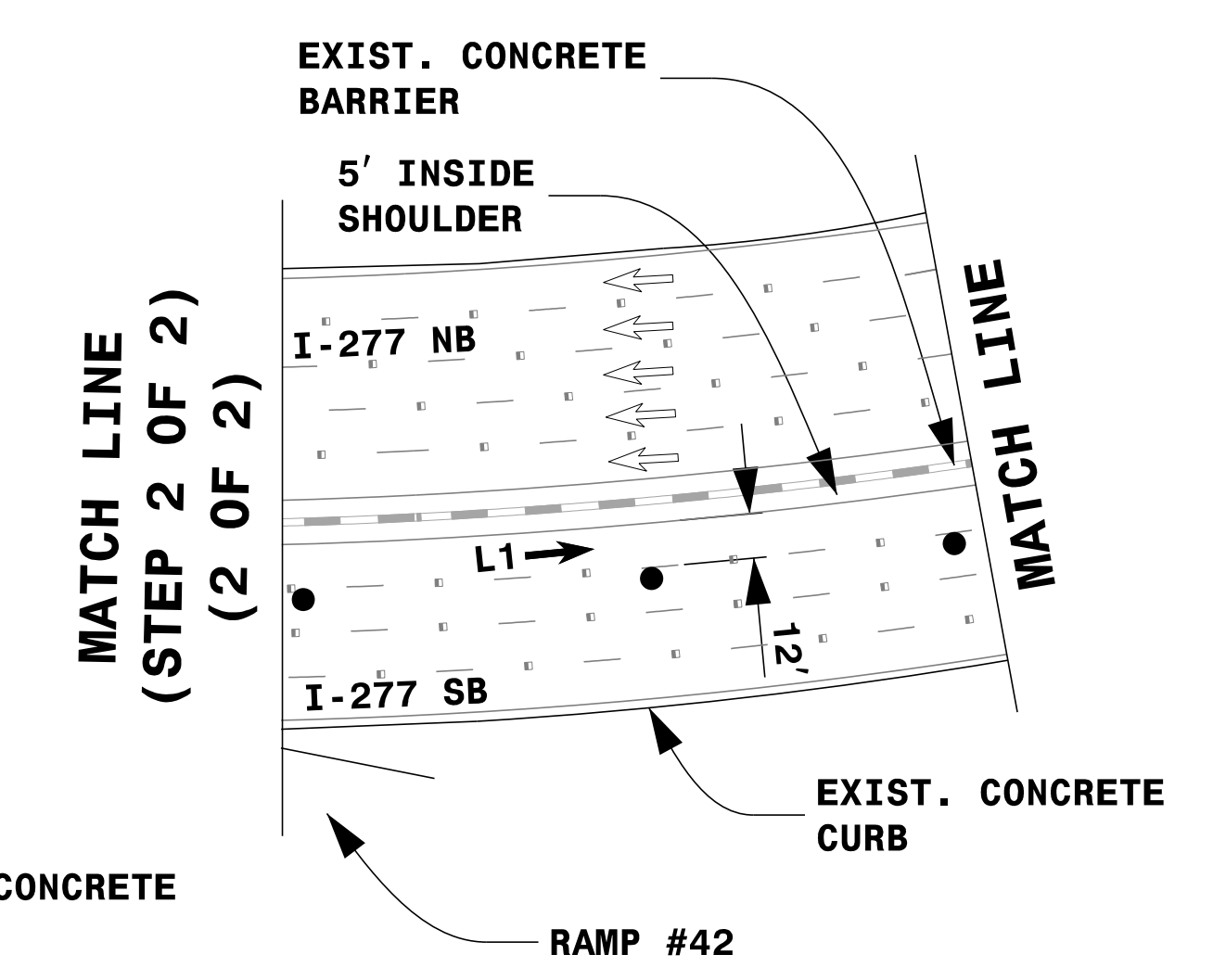
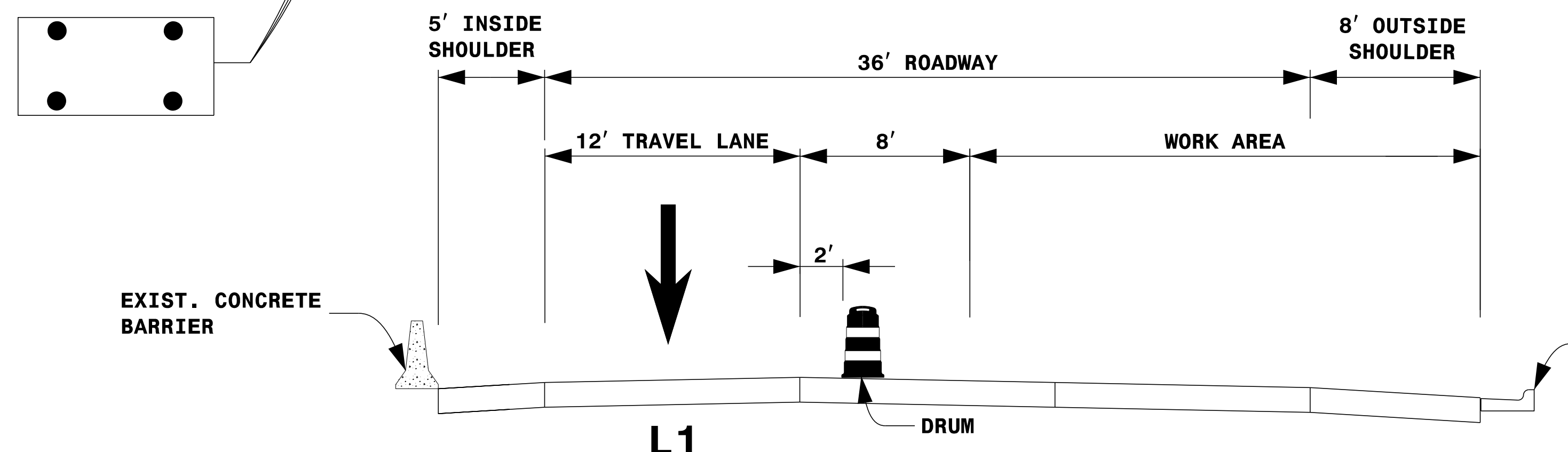
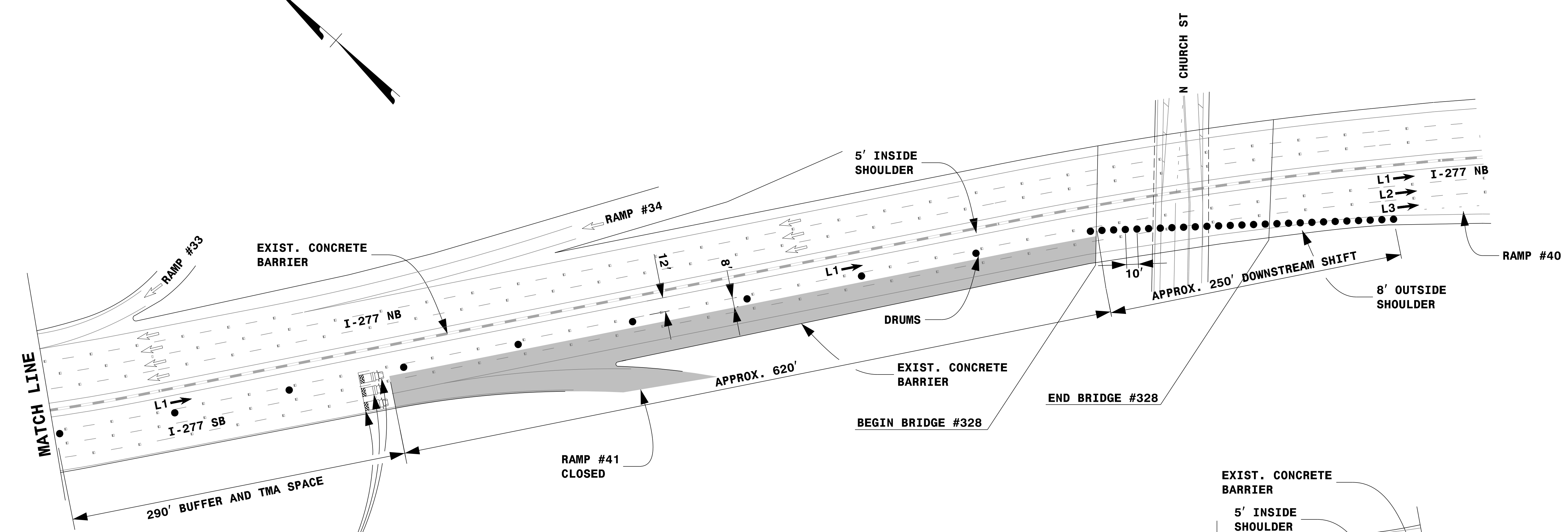
DocuSigned by:  
  
 JOHN P. MAZERES  
 ENGINEER  
 8/5/2021

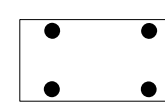






LANE CLOSURE DETAIL  
 SECTION 12E  
 SOUTHBOUND  
 (STEP 1 OF 2)

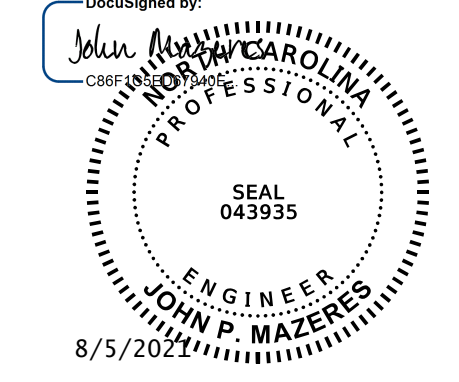
8/5/2021 2:00:57 PM I-5746E-TMP-43-LANE CLOSURE DETAIL SECTION 12E SOUTHBOUND (STEP 1 OF 2).dgn User: jduke

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

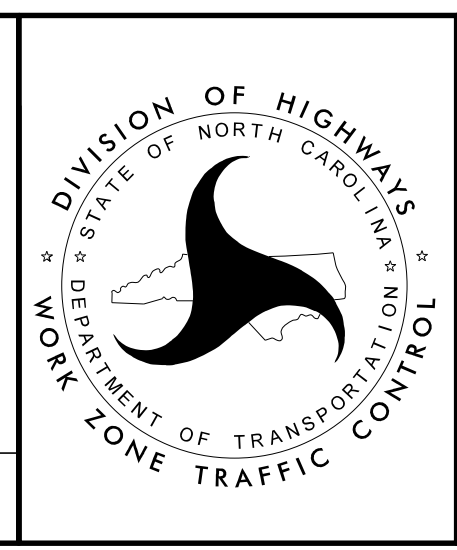


LEGEND	
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

- NOTES:**
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-45, TMP-63 (LANE CLOSURE DETAIL SB ADDITION 1 OF 2), TMP-64 (LANE CLOSURE DETAIL SB ADDITION 2 OF 2), TMP-17 (OFFSITE DETOUR #41) AND RSD 1101.02 SHEET 3 OF 14.
  - THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-6C (PHASING NOTES SHEET 3 OF 3) I-77 HOT LANES CLOSURE MAP DETAIL TO CLOSE THE SB HOT LANES.
  - FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  - FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  - SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  - TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
  
 JOHN P. MAZERES  
 ENGINEER  
 043935  
 8/5/2021

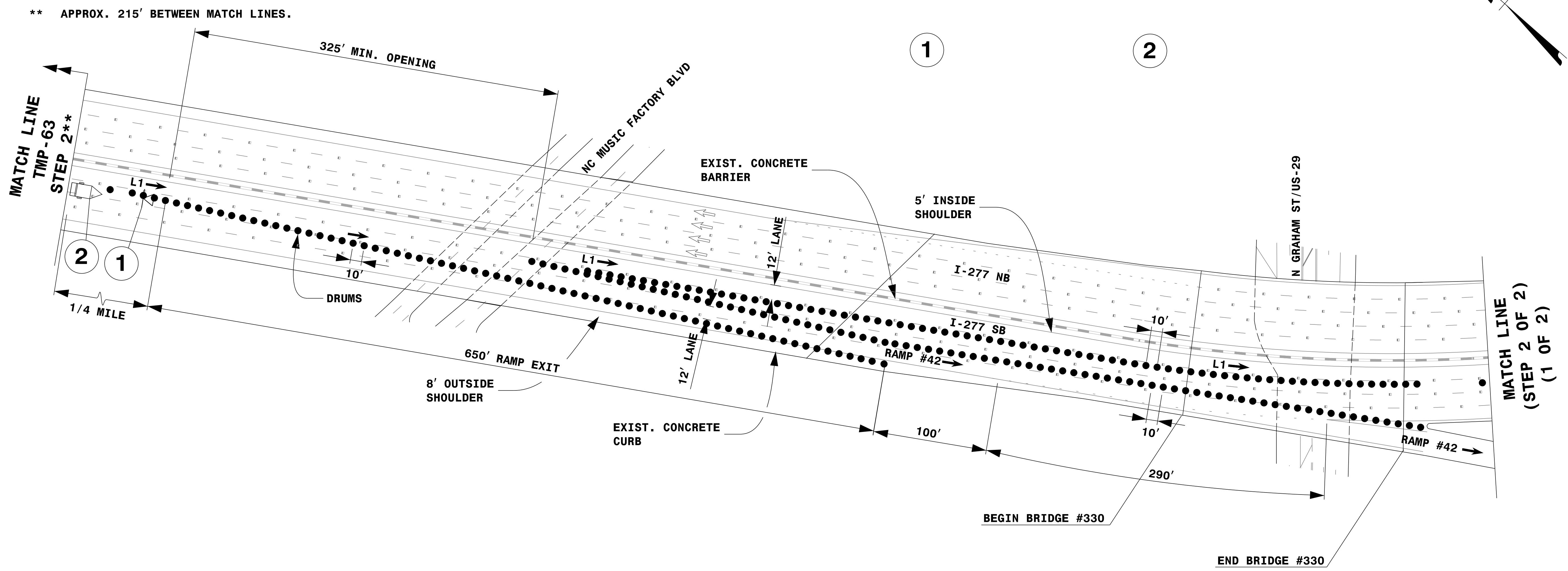
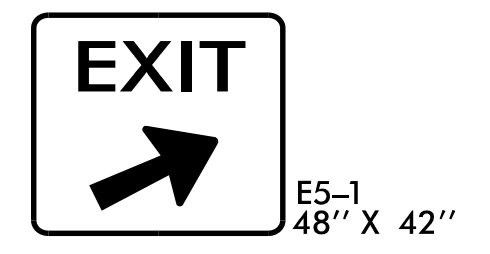
DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED



LANE CLOSURE DETAIL  
 SECTION 12E  
 SOUTHBOUND  
 (STEP 2 OF 2)  
 (1 OF 2)

8/5/2021 2:00:58 PM I-5746E-TMP-44-LANE CLOSURE DETAIL SECTION 12E SOUTHBOUND (STEP 2 OF 2) (1 OF 2).dgn  
 User: jduke

MESSAGE NO. 1	MESSAGE NO. 2
EXIT 4 GRAHAM ST US-29	USE NEXT EXIT
CHANGEABLE MESSAGE SIGN	



**LEGEND**

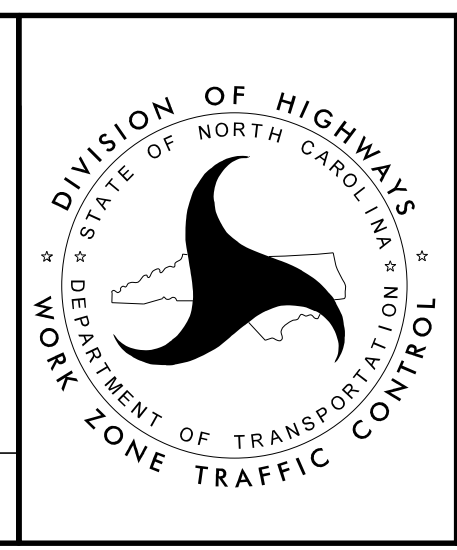
	PORTABLE SIGN
	CHANGEABLE MESSAGE SIGN (CMS)
	DIRECTION OF TRAFFIC FLOW
	DRUM

**NOTES:**

- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-44, TMP-17 (OFFSITE DETOUR #41), TMP-63 (LANE CLOSURE DETAIL SB ADDITION 1 OF 2), TMP-64 (LANE CLOSURE DETAIL SB ADDITION 2 OF 2) AND RSD 1101.02 SHEET 3 OF 14.
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-6C (PHASING NOTES SHEET 3 OF 3) I-77 HOT LANES CLOSURE MAP DETAIL TO CLOSE THE SB HOT LANES.
- FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
- SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
- TRAFFIC CONTROL DEVICES ① AND ② SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
 John P. Mazeres  
 PROFESSIONAL ENGINEER  
 SEAL 043935  
 JOHN P. MAZERES  
 8/5/2021

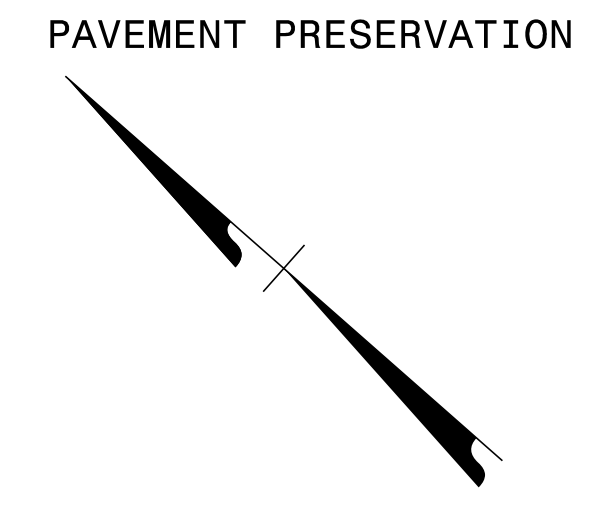
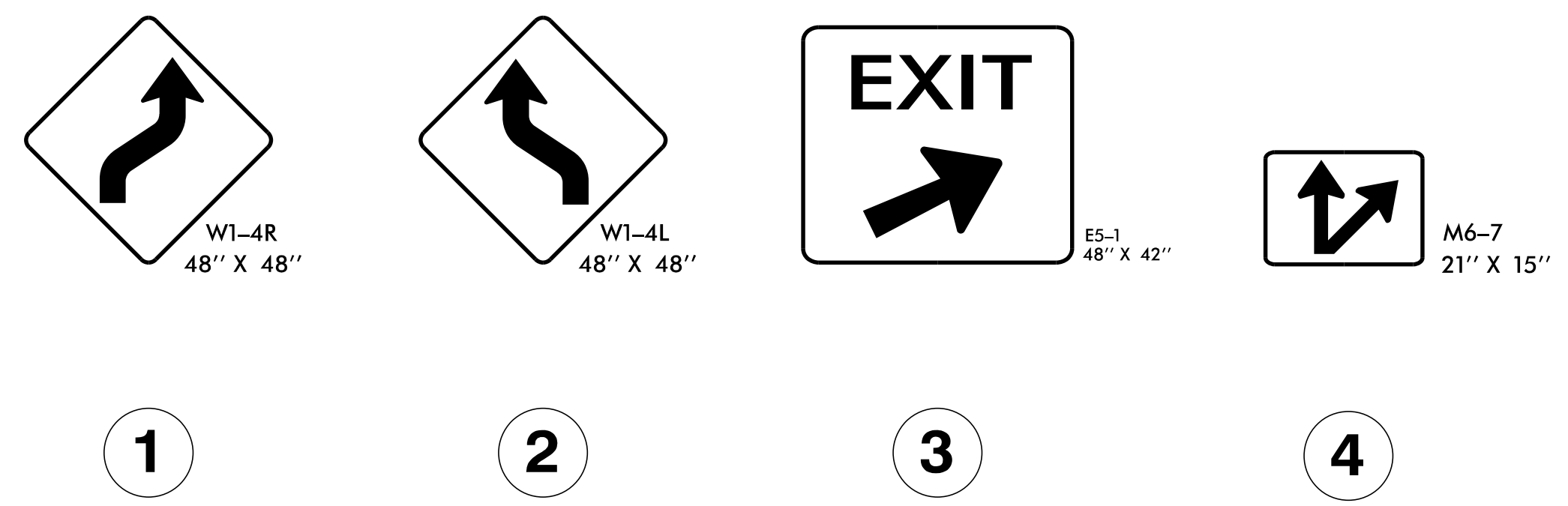
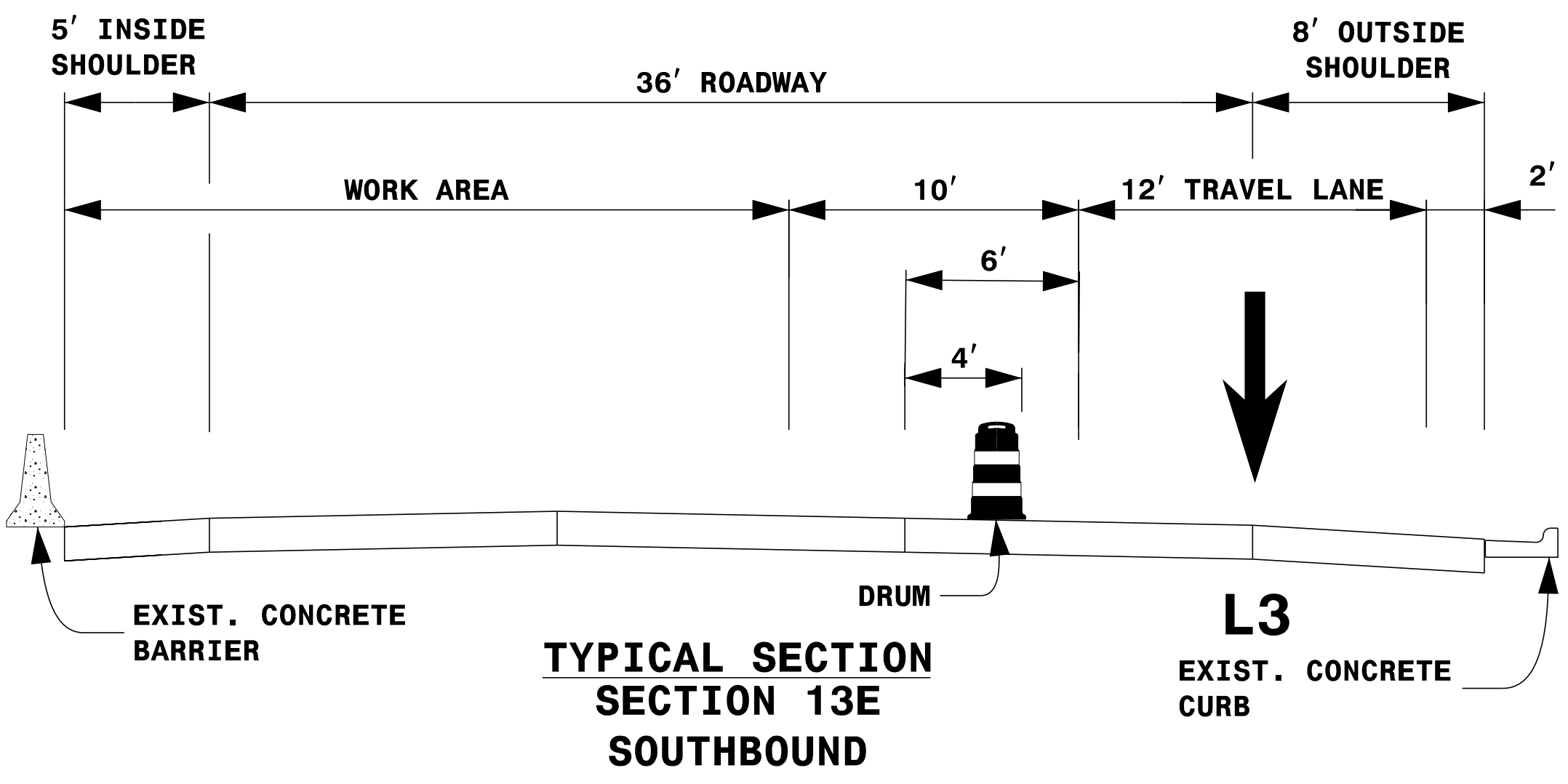
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 UNLESS ALL SIGNATURES COMPLETED**



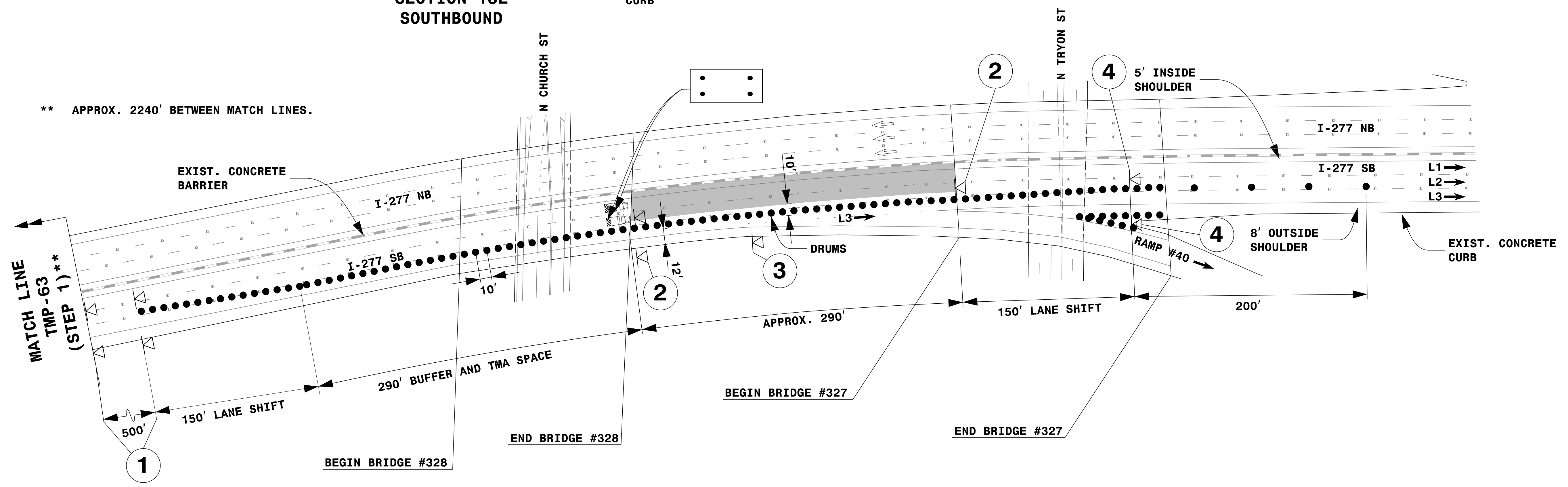
LANE CLOSURE DETAIL  
 SECTION 12E  
 SOUTHBOUND  
 (STEP 2 OF 2)  
 (2 OF 2)

8/5/2021 2:00:59 PM I-5746E\_TMP-45\_LANE\_CLOSURE\_DETAIL\_SECTION\_12E\_SOUTHBOUND (STEP 2 OF 2) (2 OF 2).dgn User: jduke





\*\* APPROX. 2240' BETWEEN MATCH LINES.

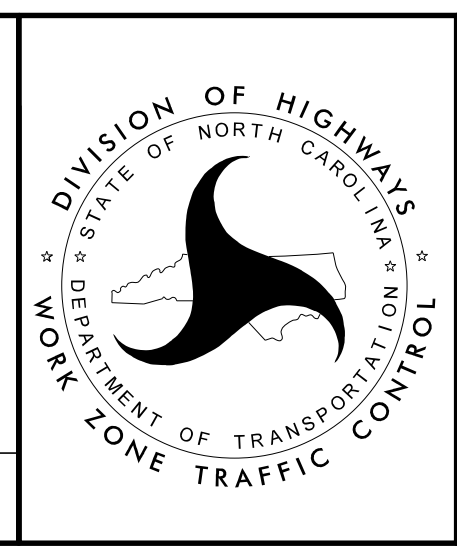


LEGEND	
	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

**NOTES:**

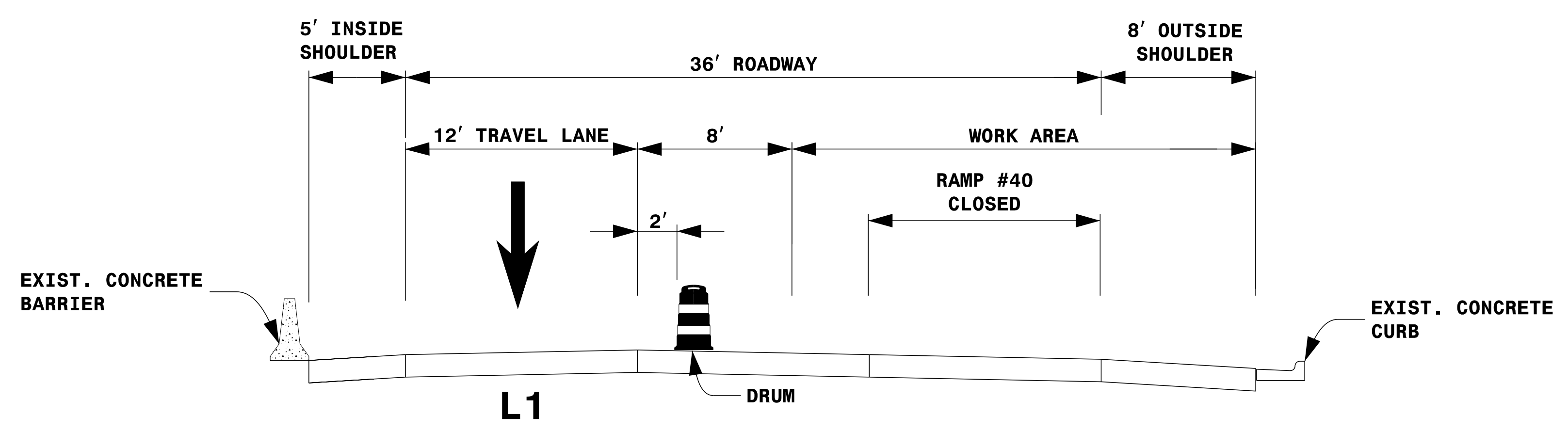
1. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-63 (LANE CLOSURE DETAIL SB ADDITION 1 OF 2), TMP-64 (LANE CLOSURE DETAIL SB ADDITION 2 OF 2) AND RSD 1101.02 SHEET 3 OF 14.
2. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-6C (PHASING NOTES SHEET 3 OF 3) I-77 HOT LANES CLOSURE MAP DETAIL TO CLOSE THE SB HOT LANES.
3. FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
4. FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
5. SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
6. TRAFFIC CONTROL DEVICES ① THRU ③ SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
John P. Mazeres  
Professional Engineer  
SEAL 043935  
8/5/2021

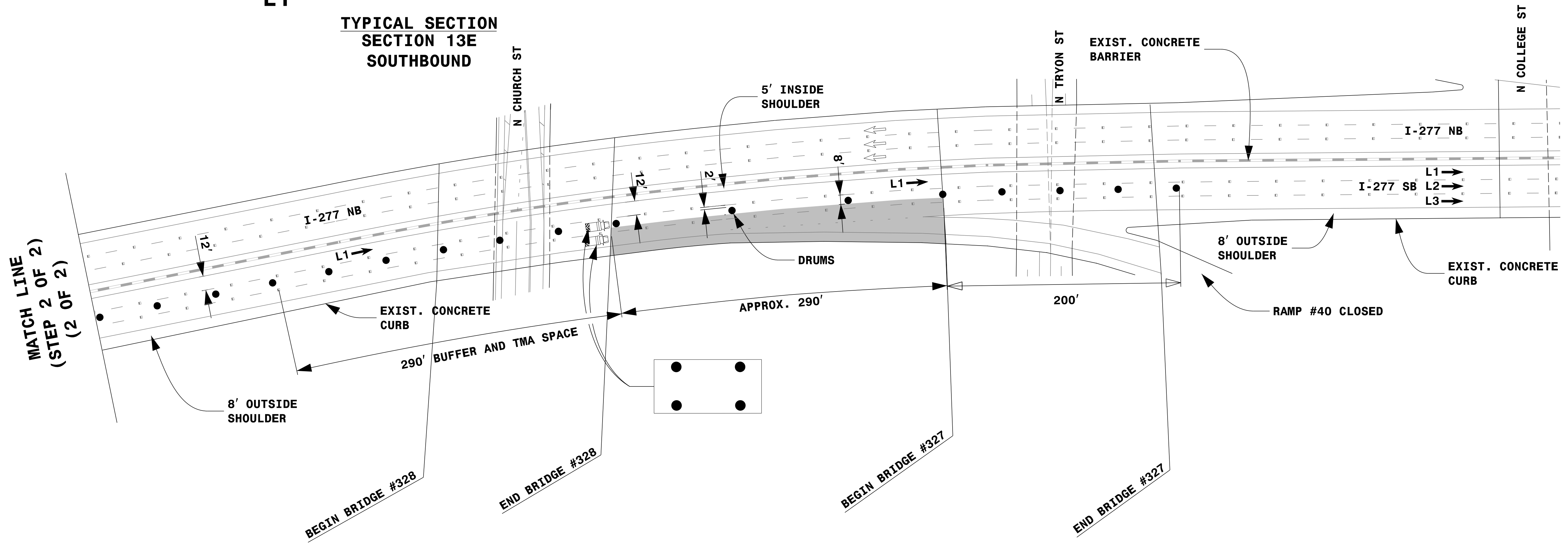


LANE CLOSURE DETAIL  
SECTION 13E  
SOUTHBOUND  
(STEP 1 OF 2)

8/5/2021 2:00:60 PM I5746C\_TMP-46\_LANE\_CLOSURE\_DETAIL\_SECTION\_13E\_SOUTHBOUND\_STEP\_1\_OF\_2.dgn User: jduke



**TYPICAL SECTION  
SECTION 13E  
SOUTHBOUND**



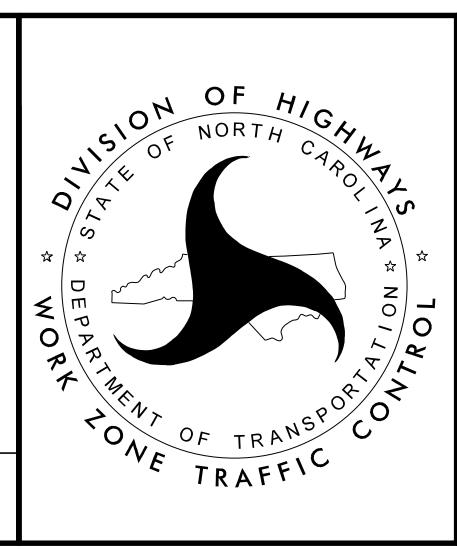
**LEGEND**

	FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	WORK AREA
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM

- NOTES:**
1. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-63 (LANE CLOSURE DETAIL SB ADDITION 1 OF 2) TMP-64 (LANE CLOSURE DETAIL SB ADDITION 2 OF 2), TMP-16 (OFFSITE DETOUR #40), TMP-48 AND RSD 1101.02 SHEET 3 OF 14.
  2. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-6C (PHASING NOTES SHEET 3 OF 3) I-77 HOT LANES CLOSURE MAP DETAIL TO CLOSE THE SB HOT LANES.
  3. FOR ENTRANCE AND EXIT RAMP SIGNING, REFER TO RSD 1101.01, DETAIL B & C.
  4. FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
  5. SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
  6. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

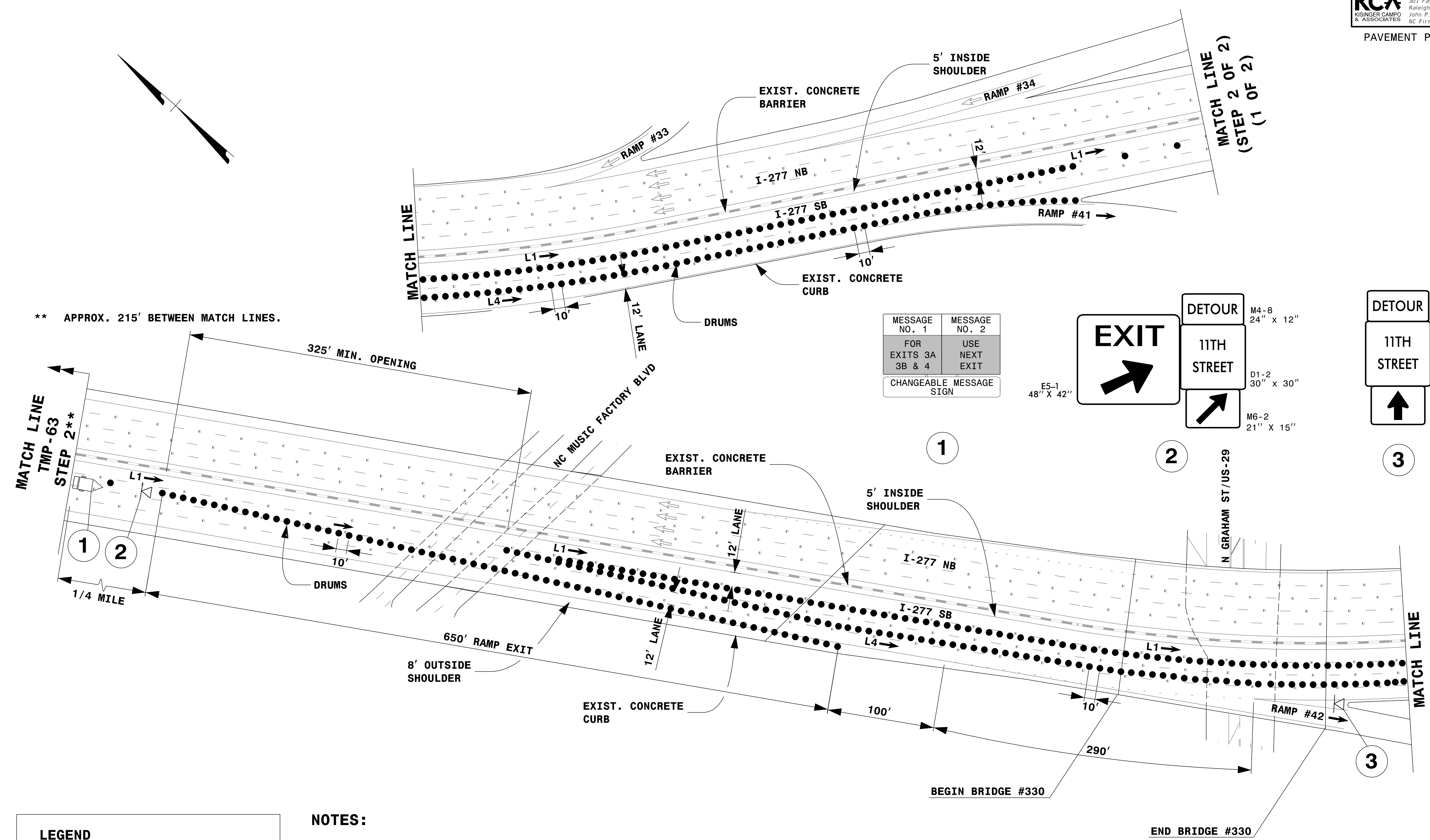
DocuSigned by:  
*John P. Mazeres*  
SEAL  
043935  
ENGINEER  
JOHN P. MAZERES  
8/5/2021

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

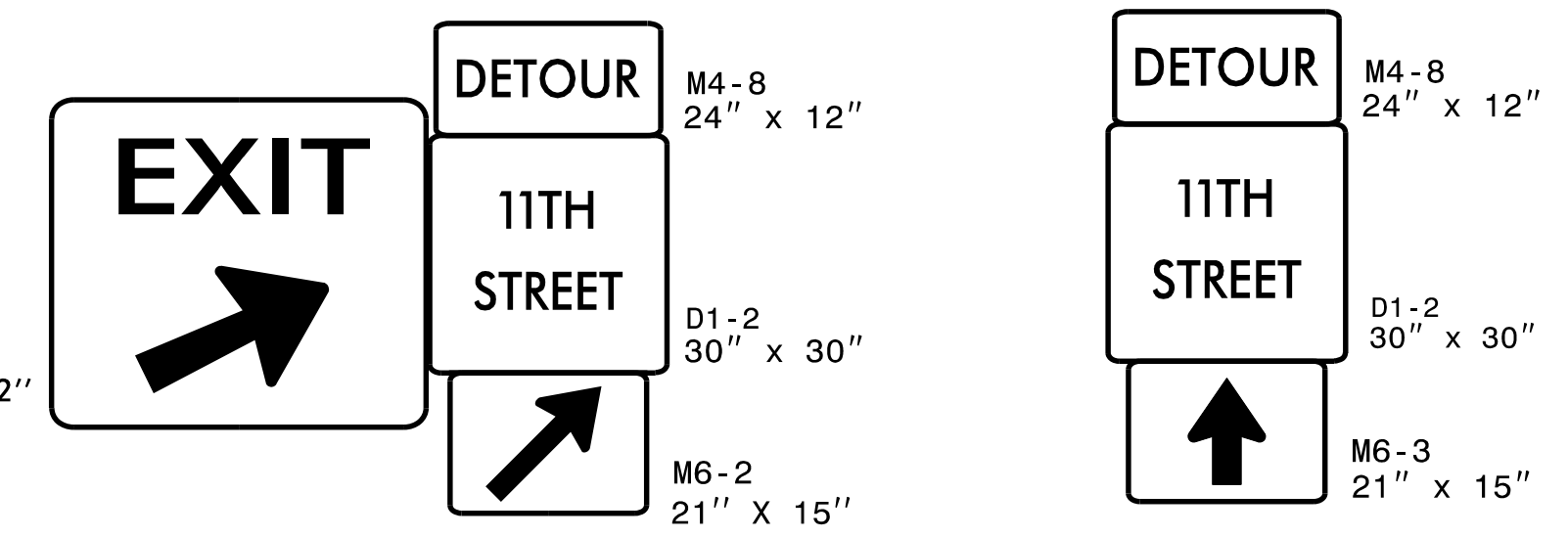


**LANE CLOSURE DETAIL  
SECTION 13E  
SOUTHBOUND  
(STEP 2 OF 2)  
(1 OF 2)**

8/5/2021 2:00:06 PM I5746E\_TMP-47\_LANE\_CLOSURE\_DETAIL\_SECTION\_13E\_SOUTHBOUND (STEP 2 OF 2) (OF 2).dgn User: jduke



MESSAGE NO. 1	MESSAGE NO. 2
FOR EXITS 3A, 3B & 4	USE NEXT EXIT
CHANGEABLE MESSAGE SIGN	

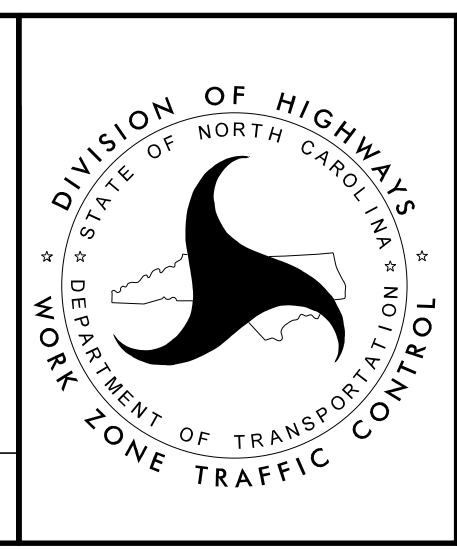


LEGEND	
	PORTABLE SIGN
	CHANGEABLE MESSAGE SIGN (CMS)
	DIRECTION OF TRAFFIC FLOW
	DRUM

**NOTES:**

- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-47, TMP-16 (OFFSITE DETOUR #40), TMP-63 (LANE CLOSURE DETAIL SB ADDITION 1 OF 2), TMP-64 (LANE CLOSURE DETAIL SB ADDITION 2 OF 2) AND RSD 1101.02 SHEET 3 OF 14.
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH TMP-6C (PHASING NOTES SHEET 3 OF 3) I-77 HOT LANES CLOSURE MAP DETAIL TO CLOSE THE SB HOT LANES.
- FOR ADDITIONAL NOTES, SEE RSD 1101.01, SHEET 2.
- SEE TMP-3 (PAVEMENT PRESERVATION VICINITY MAP) FOR SECTION LOCATIONS.
- TRAFFIC CONTROL DEVICES ① THRU ③ SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

DocuSigned by:  
  
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**



LANE CLOSURE DETAIL  
 SECTION 13E  
 SOUTHBOUND  
 (STEP 2 OF 2)  
 (2 OF 2)

8/5/2021 2:00:62 PM I-5746E\_TMP-48\_LANE\_CLOSURE\_DETAIL\_SECTION\_13E\_SOUTHBOUND (STEP 2 OF 2) (2 OF 2).dgn  
 User: jduke