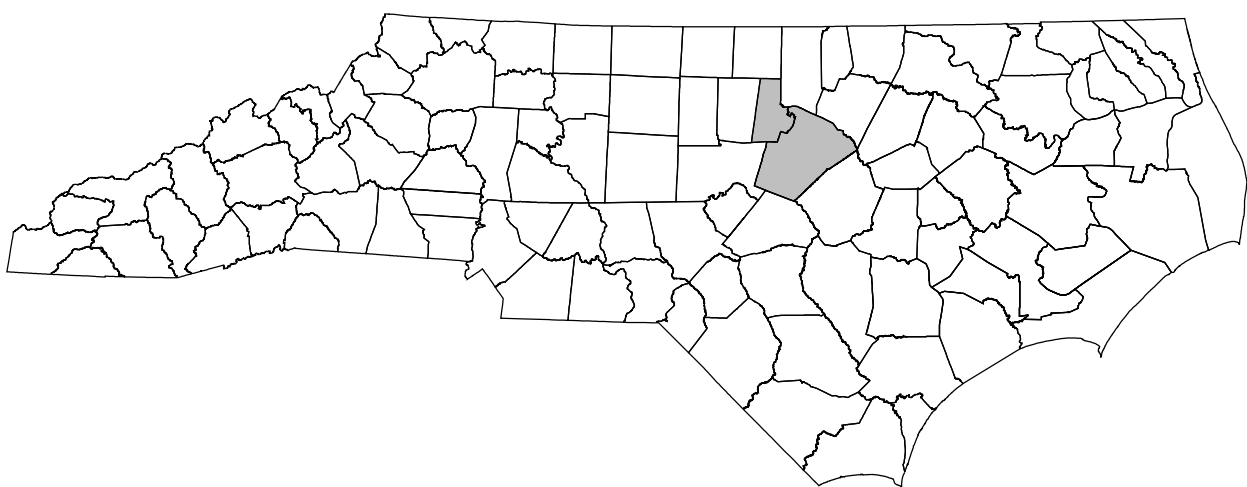


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

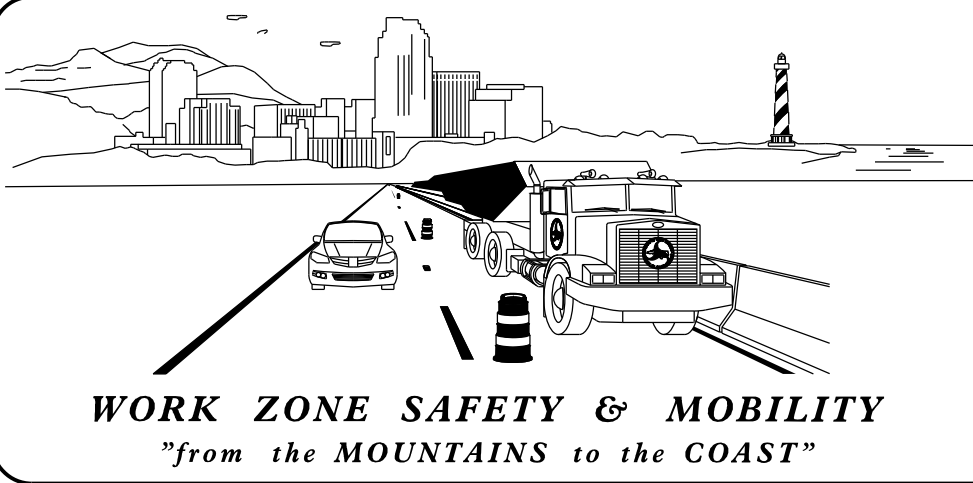
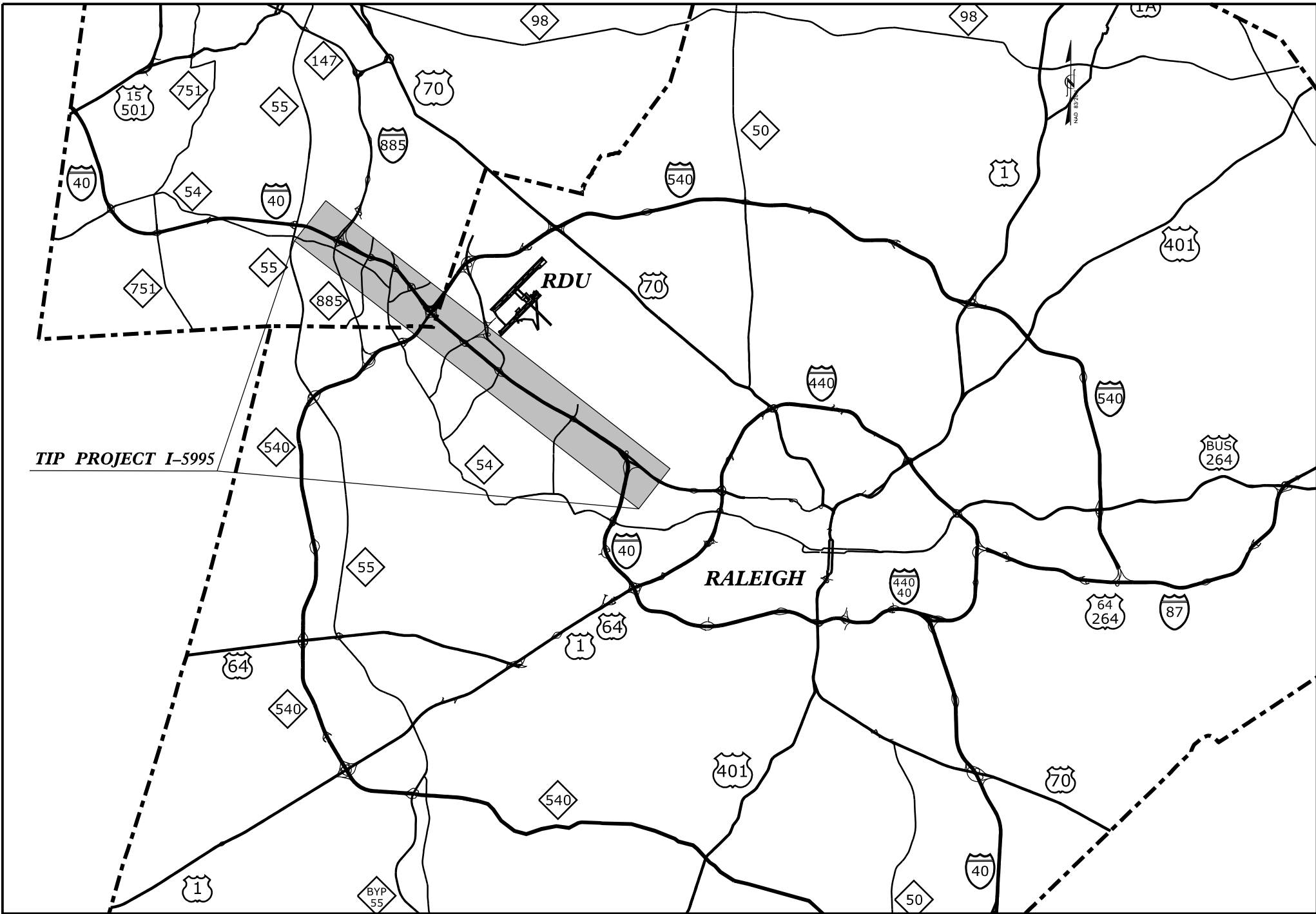
TRANSPORTATION MANAGEMENT PLAN

DURHAM & WAKE COUNTIES

LOCATION: I-40 FROM EAST OF I-885/NC 885 TO SR 1728 (WADE AVE.)



VICINITY MAP



PLANS PREPARED BY:

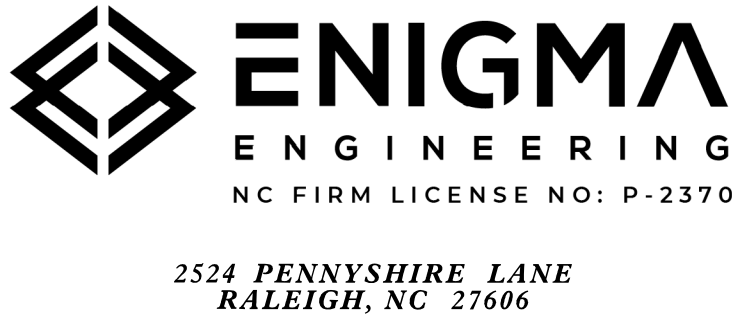
ANNIE C. PILZ, PE
PROJECT ENGINEER

ENIGMA ENGINEERING, PLLC

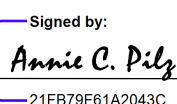
NCDOT CONTACTS:

S. REID DAVIDSON, PE
PROJECT MANAGER

NCDOT DIVISION 5



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SHEET NO.
TMP-1

CONTRACT: C204349 TIP PROJECT: I-5995

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B.1 THRU 1B.3	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGY, AND GENERAL NOTES)
TMP-1C.1 THRU 1C.2	MAP DETAILS
TMP-1D	LANE CLOSURE DETAIL - FOUR LANES
TMP-2-2G	DETOUR SHEETS
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSSES
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	DRUM
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
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

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

SIGNALS

EXISTING

PROPOSED

TEMPORARY

PAVEMENT MARKINGS

EXISTING LINES

TEMPORARY LINES

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

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MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

TRAFFIC MANAGEMENT STRATEGIES:

- FULL ROADWAY CLOSURES
- LANE SHIFTS OR CLOSURES
- ONE-LANE, TWO WAY OPERATIONS (FLAGGING)
- RAMP CLOSURES/RELOCATION
- FREEWAY TO-FREEWAY INTERCHANGE CLOSURES
- NIGHT WORK
- WEEKEND WORK
- WORK HOUR RESTRICTIONS FOR PEAK TRAVEL
- OFF-SITE DETOURS/USE OF ALTERNATIVE ROUTES

WORK ZONE SAFETY & MOBILITY STRATEGIES:

- DIGITAL SPEED LIMIT SIGNS/VARIABLE SPEED LIMITS

CORRIDOR/NETWORK MANAGEMENT STRATEGIES:

- COORDINATION WITH ADJACENT CONSTRUCTIONS SITE(S)

TRAFFIC/INCIDENT MANAGEMENT & SPEED ENFORCEMENT STRATEGIES:

- COORDINATION WITH STATE TRAFFIC OPERATIONS CENTER (STOC)
- LOCAL DETOUR ROUTES
- DEDICATED (PAID) LAW ENFORCEMENT

CONTRACTING & INNOVATIVE CONSTRUCTION STRATEGIES:

- INTERMEDIATE CONTRCT TIMES/LIQUIDATED DAMAGES

GENERAL NOTES (CONT.)

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-40, I-885, I-540, WADE AVE, TO INCLUDE ALL RAMP	6:00 A.M. TO 8:00 P.M. MONDAY THRU FRIDAY
AND LOOPS, ALL -Y- LINES (ONE LANE)	10:00 A.M. TO 7:00 P.M. SATURDAY AND SUNDAY
I-40, I-885, I-540, WADE AVE (TWO LANES)	6:00 A.M. TO 10:00 P.M. MONDAY THRU FRIDAY
	7:00 A.M. TO 9:00 P.M. SATURDAY AND SUNDAY
I-40, I-885, I-540, WADE AVE (THREE OR MORE LANES)	5:00 A.M. TO 12:00 A.M. MONDAY THRU FRIDAY
	6:00 A.M. TO 1:00 A.M. SATURDAY AND SUNDAY

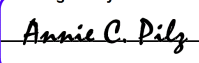
B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

- ROAD NAME
- I-40, I-885, I-540, AND WADE AVE INCLUDING ALL RAMP
- AND LOOPS, ALL -Y- LINES
- HOLIDAY
1. FOR ANY UNEXPECTED OCCURANCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR’S, BETWEEN THE HOURS OF 5:00 A.M. DECEMBER 31st TO 1:00 A.M. JANUARY 3RD. IF NEW YEAR’S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 1:00 A.M. THE FOLLOWING WEDNESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 5:00 A.M. THURSDAY AND 1:00 A.M. TUESDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY TO 1:00 A.M. WEDNESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 5:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 1:00 A.M. TWO DAYS AFTER INDEPENDENCE DAY.

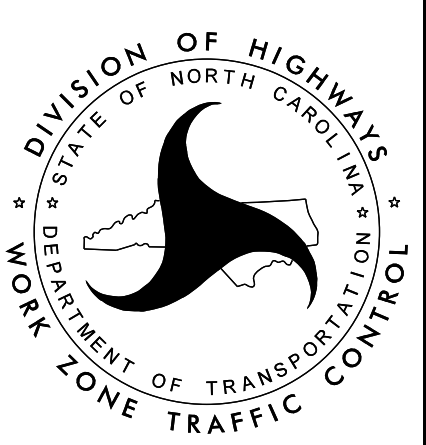
IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 5:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 1:00 A.M. THE WEDNESDAY AFTER INDEPENDENCE DAY.



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MANAGEMENT STRATEGY AND
GENERAL NOTES

GENERAL NOTES (CONT.)

6. FOR LABOR DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY AND 1:00 A.M. WEDNESDAY.

7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 5:00 A.M. TUESDAY TO 1:00 A.M. TUESDAY.

8. FOR CHRISTMAS, BETWEEN THE HOURS OF 5:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 1:00 A.M. THE FOLLOWING WEDNESDAY AFTER THE WEEK OF CHRISTMAS.

9. FOR GRADUATION EVENTS OCCURRING AT NC STATE UNIVERSITY, DUKE UNIVERSITY, AND THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL BETWEEN THE HOURS OF 4:00 A.M. THE THURSDAY OF THE WEEK OF THE GRADUATION EVENT AND 12:00 A.M. THE FOLLOWING MONDAY AFTER THE WEEK OF THE EVENT.

10. ON I-40 EB, FOR EVENTS AT THE LENOVO CENTER, FROM TWO (2) HOURS BEFORE THE EVENT STARTS UNTIL 1 HOUR AFTER THE EVENT STARTS. ON I-40 WB, FOR EVENTS AT THE LENOVO CENTER, FROM TWO (2) BEFORE THE EVENT STARTS UNTIL TWO (2) HOURS AFTER THE EVENT ENDS.

11. FOR EVENTS AT CARTER-FINLEY STADIUM TWO (2) HOURS PRIOR TO THE EVENT AND FOR TWO (2) HOURS AFTER THE END OF THE EVENT.

12. FOR THE NORTH CAROLINA STATE FAIR BETWEEN THE HOURS OF 6:00 A.M. AND 12:00 A.M. (MIDNIGHT) EACH DAY OF THE FAIR.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	OPERATION
WADE AVE, RAMPS/LOOPS	5:00 A.M. TO 12:00 A.M. MONDAY THRU FRIDAY 6:00 A.M. TO 1:00 A.M. SATURDAY AND SUNDAY	USING RAMPS AND/OR OFFSITE DETOURS, PERFORM RAMP/LOOP CONSTRUCTION AND SIGN INSTALLATION, AS NEEDED

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	OPERATION
RAMPS/LOOPS	5:00 A.M. TO 12:00 A.M. MONDAY THRU FRIDAY 6:00 A.M. TO 1:00 A.M. SATURDAY AND SUNDAY	30 MINUTES, OVERHEAD SIGN REMOVAL AND INSTALLATION

LANE AND SHOULDER CLOSURE REQUIREMENTS

E) 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.

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.

GENERAL NOTES (CONT.)

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 2 MILES OF LANE CLOSURE ON I-40 MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.

J) DO NOT INSTALL MORE THAN 2 (TWO) SIMULTANEOUS LANE CLOSURES IN ANY ONE DIRECTION ON I-40.

K) PROVIDE A MINIMUM OF 2 MILES BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE FIRST SIGN OF THE NEXT LANE CLOSURE.

L) USE SEQUENTIAL FLASHING WARNING LIGHTS ON DRUMS USED FOR THE MERGING TAPERS OF NIGHTTIME LANE CLOSURES IN ACCORDANCE WITH SECTION 1140 IN THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.

M) NOTIFY THE NCDOT STATEWIDE TRANSPORTATION OPERATIONS CENTER (STOC) AT 877-627-7862 APPROXIMATELY 30 MINUTES PRIOR TO INSTALLING AND WITHIN 15 MINUTES AFTER REMOVING LANE CLOSURES ON INTERSTATES, FREEWAYS, CONTROLLED ACCESS FACILITIES, AND US ROUTES.

PAVEMENT EDGE DROP OFF REQUIREMENTS

N) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

O) 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

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

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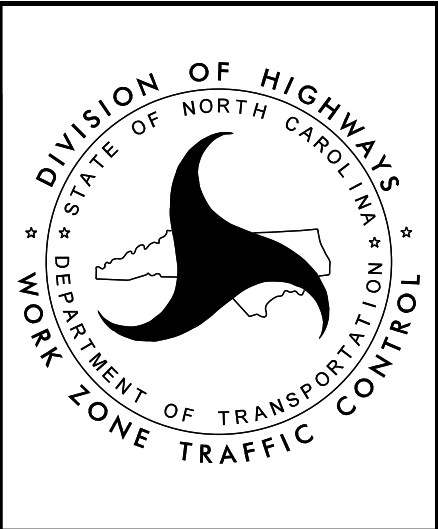
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PROFESSIONAL SEAL 038700 ENGINEER ANNIE C. PITZ

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GENERAL NOTES

GENERAL NOTES (CONT.)

SIGNING

- Q) 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.
- R) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
- PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- S) 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.
- T) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- U) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

- V) 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.
- W) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

- X) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:
- | ROAD NAME | MARKING | MARKER |
|-----------|---------|------------------|
| ALL ROADS | PAINT | TEMPORARY RAISED |

GENERAL NOTES (CONT.)

- Y) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- Z) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- AA) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

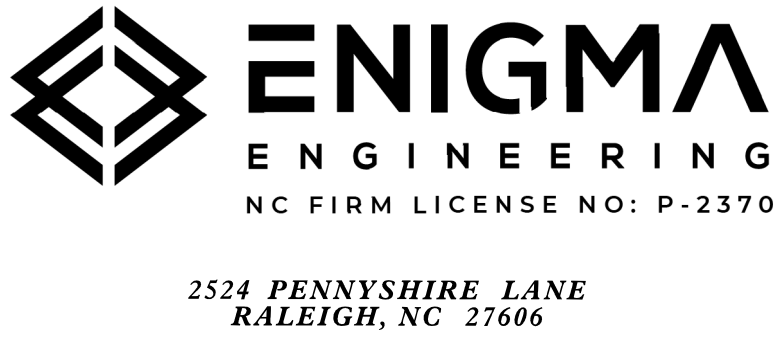
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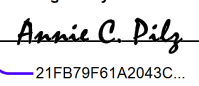
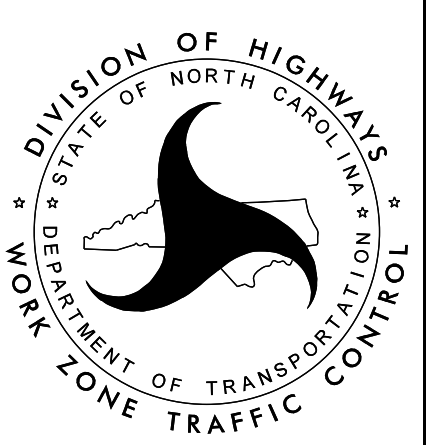
- BB) LAW ENFORCEMENT SHALL BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- CC) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 1000 FT AND 1500 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- DD) 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.).

MILLING OPERATIONS

- EE) EXCEPT AS ALLOWED BY THE TMP AND THE INTERMEDIATE CONTRACT TIMES, CONDUCT MILLING OPERATIONS SO THAT ANY MILLED PAVEMENT IS PAVED BACK BY THE END OF EACH WORK PERIOD.
- FF) EXCEPT AS ALLOWED BY THE TMP AND THE INTERMEDIATE CONTRACT TIMES, OR IN CASES WHERE INCLEMENT WEATHER OR MECHANICAL FAILURE PREVENTS THE PAVING BACK OF THE LANE BY THE END OF THE WORK PERIOD, A MILLED/GROOVED SURFACE SHALL NOT BE RE-OPENED TO TRAFFIC.
- GG) IF MILLED AREAS ARE NOT PAVED BACK WITHIN THE SAME WORK PERIOD DUE TO INCLEMENT WEATHER OR MECHANICAL FAILURE, THE CONTRACTOR IS TO FURNISH AND INSTALL PORTABLE SIGNS TO WARN DRIVERS OF THE CONDITIONS. THE SIGNS INCLUDE *GROOVED PAVEMENT* (W8-15) W/ MOTORCYCLE PLAQUE MOUNTED BELOW, AND *UNEVEN LANES* (W8-11). THESE ARE TO BE DUAL INDICATED WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. INSTALL THE *GROOVED PAVEMENT* (W8-15) W/ MOTORCYCLE PLAQUE 1500* IN ADVANCE OF THE MILLED AREA. INSTALL THE *UNEVEN LANES* (W8-11) 500* IN ADVANCE OF THE MILLED AREA. ALTERNATE THESE SIGNS EVERY 1/2 MILE. ONCE MITIGATED, ALL PORTABLE SIGNS ARE TO BE REMOVED.
- HH) SLOPE THE PAVEMENT AT THE BEGINNING AND END OF THE DAILY MILLING OPERATION AS DIRECTED BY THE ENGINEER. SWEEP AND REMOVE ALL MILLED MATERIAL FROM THE ROADWAY AS SOON AS THE DAILY MILLING OPERATION IS COMPLETED. REMOVE ANY EXISTING PAVEMENT ADJACENT TO THE MILLED AREA THAT HAS BEEN DAMAGED AND REPLACE IT WITH PATCH MATERIAL AS DIRECTED BY THE ENGINEER.

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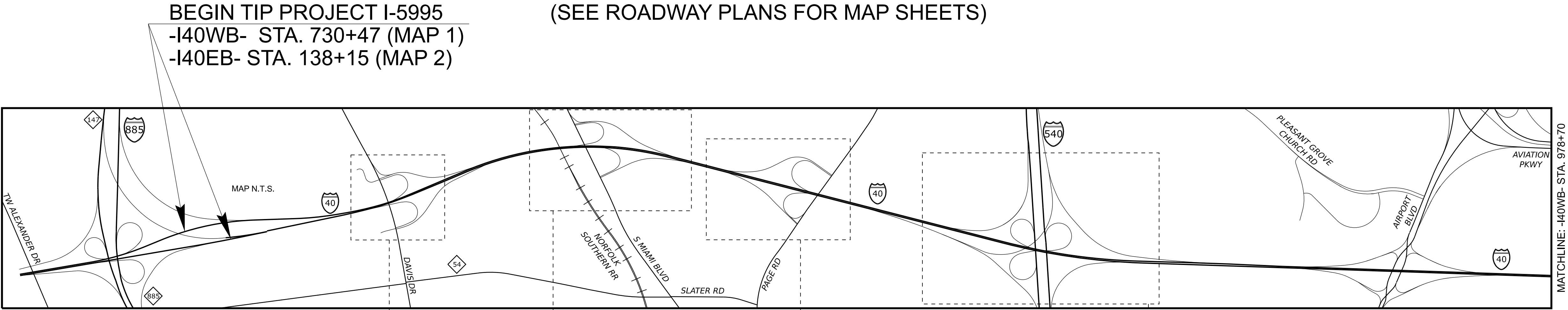


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PROJ. REFERENCE NO.	SHEET NO.
I-5995	TMP-1C.1

MAP DETAILS

(SEE ROADWAY PLANS FOR MAP SHEETS)



-DDSPURA-
(MAP 4)

-DDRPA-
(MAP 3)

-DDLPA-
(MAP 5)

-DDRPD-
(MAP 6)

-DDLPD-
(MAP 7)

-PRRPB-
(MAP 13)

-PRLPB-
(MAP 14)

-PRRPC-
(MAP 15)

-PRLPC-
(MAP 17)

-PRSPURC-
(MAP 16)

-I540LPA-
(MAP 19)

-I540RPA-
(MAP 18)

-SMBSPURA-
(MAP 9)

-SMBRPA-
(MAP 8)

-SMBLPA-
(MAP 10)

-SMBLPD-
(MAP 12)

-SMBRPD-
(MAP 11)

-I540LPB-
(MAP 21)

-I540RPC-
(MAP 22)

-I540LPC-
(MAP 23)

-I540RPD-
(MAP 24)

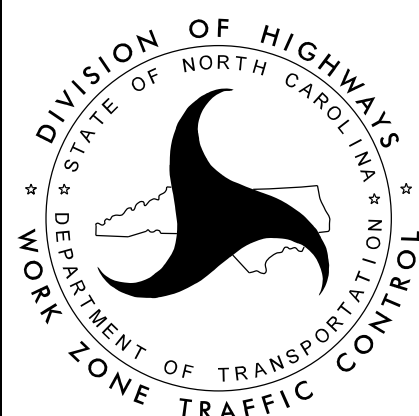


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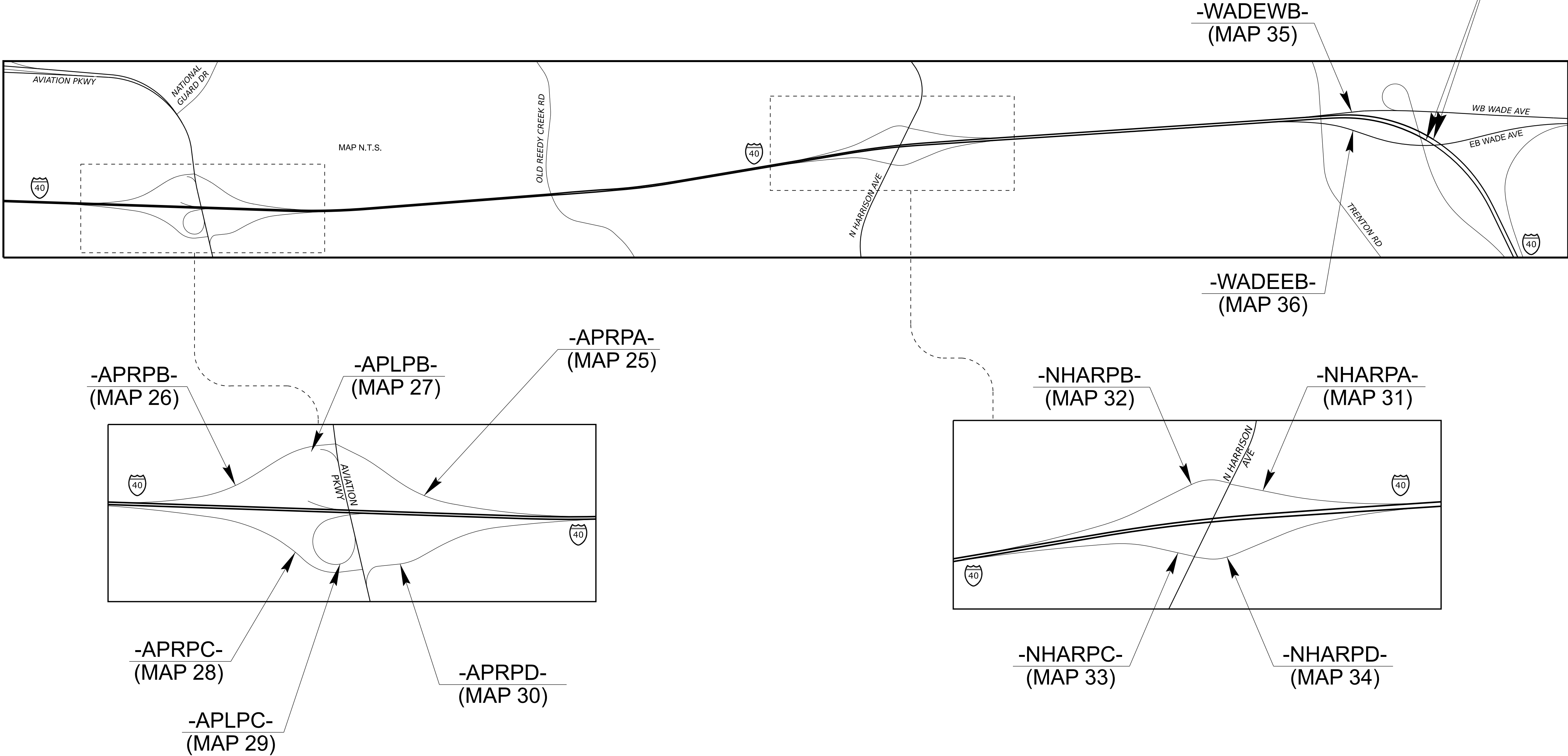


MAP DETAIL

PROJ. REFERENCE NO.	SHEET NO.
I-5995	TMP-1C.2

MAP DETAILS
(SEE ROADWAY PLANS FOR MAP SHEETS)

END TIP PROJECT I-5995
-I40WB- STA. 1233+03 (MAP 1)
-I40EB- STA. 631+23 (MAP 2)



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Annie Pilz AT LAPTOP-VOM82EL

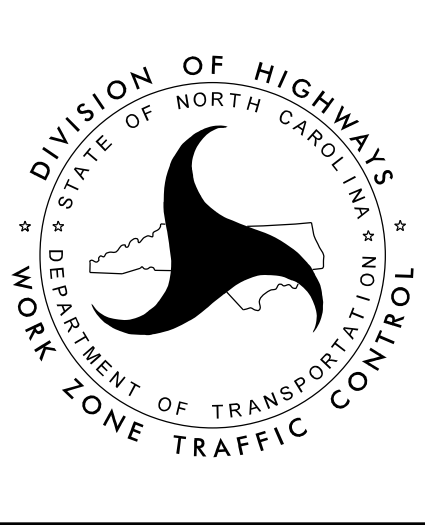


2324 PENNYSHIRE LANE
RALEIGH, NC 27606

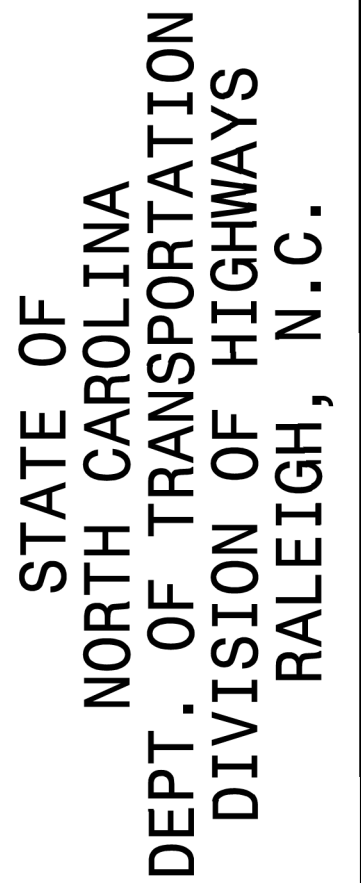
APPROVED: 
DATE: 7/7/2026 | 1:20 PM EDT

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SEAL
038700
ENGINEER
ANNIE C. PILZ

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MAP DETAIL



ROADWAY DETAIL DRAWING FOR
TEMPORARY LANE CLOSURES
DIVIDED MULTI-LANE ROADWAY-4 LANES CLOSED

SHEET9A OF 19

1101.02

TEMPORARY LANE CLOSURE DETAIL - FOUR LANES

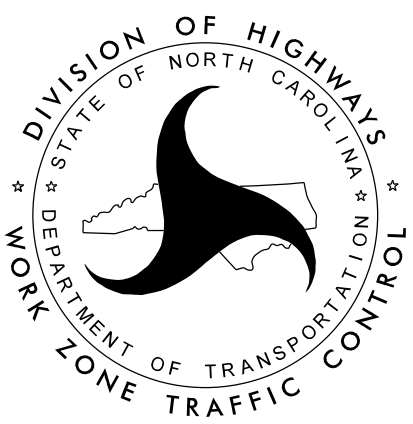


Signed by: _____
APPROVED: Annie C. Pilz
21879FA1006SC

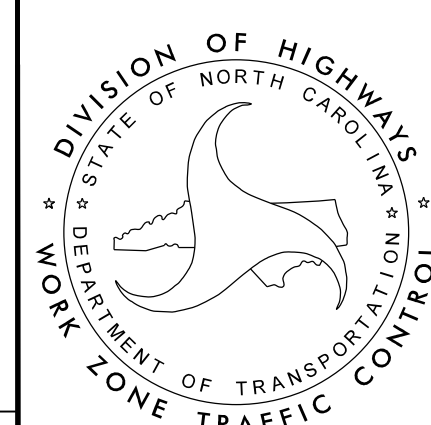
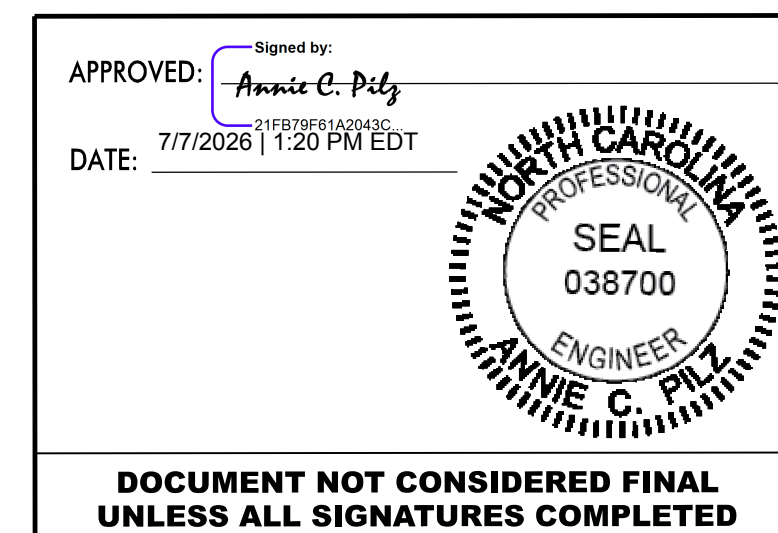
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ANNIE C. PILZ

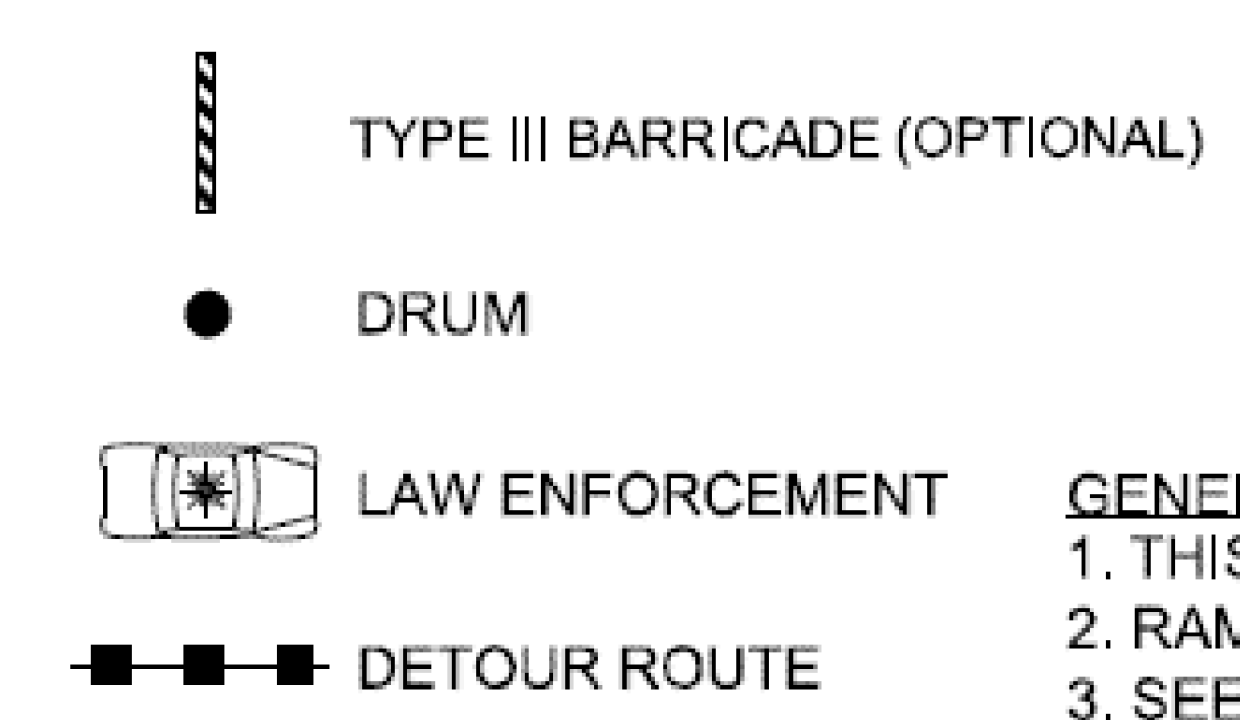
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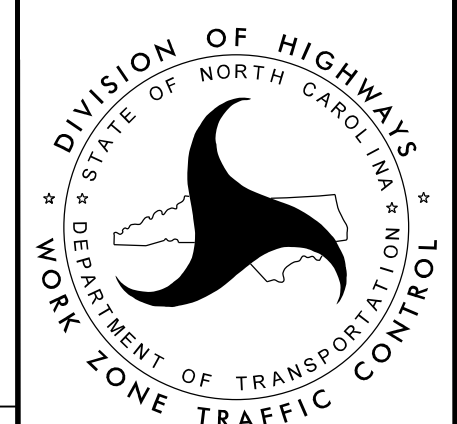
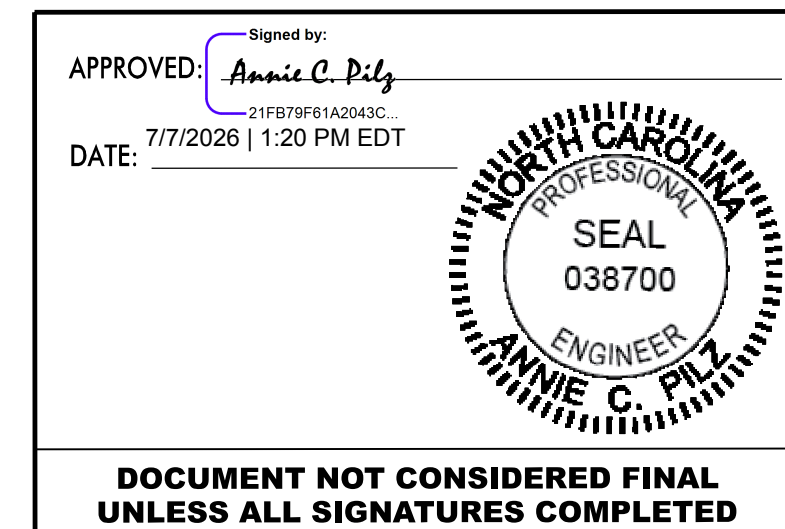
TEMPORARY LANE CLOSURE DETAIL - FOUR LANES



DETOUR FOR TYPICAL RAMP CLOSURE

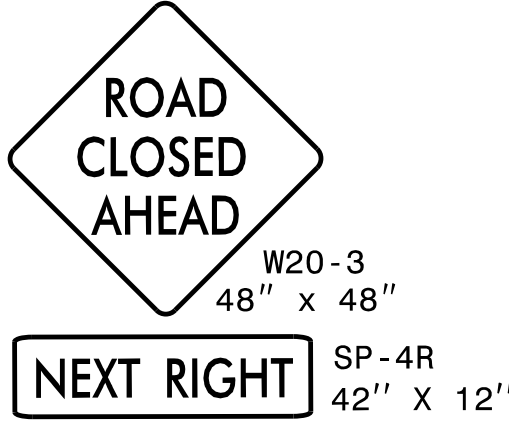
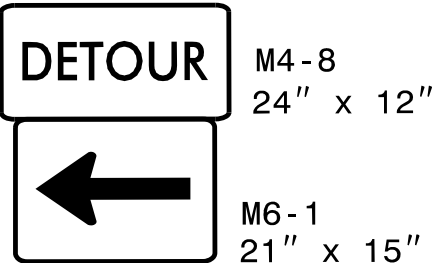
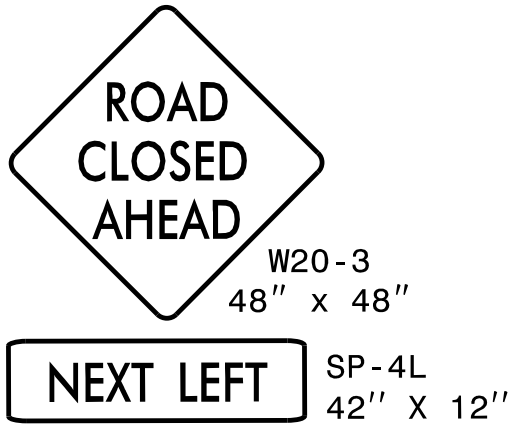
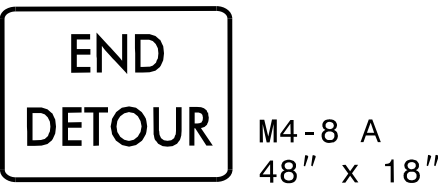
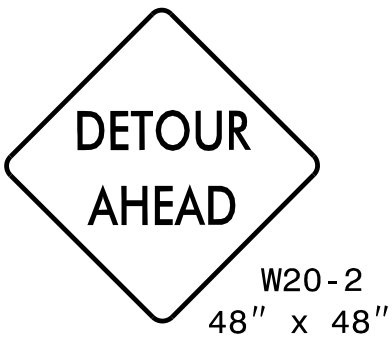
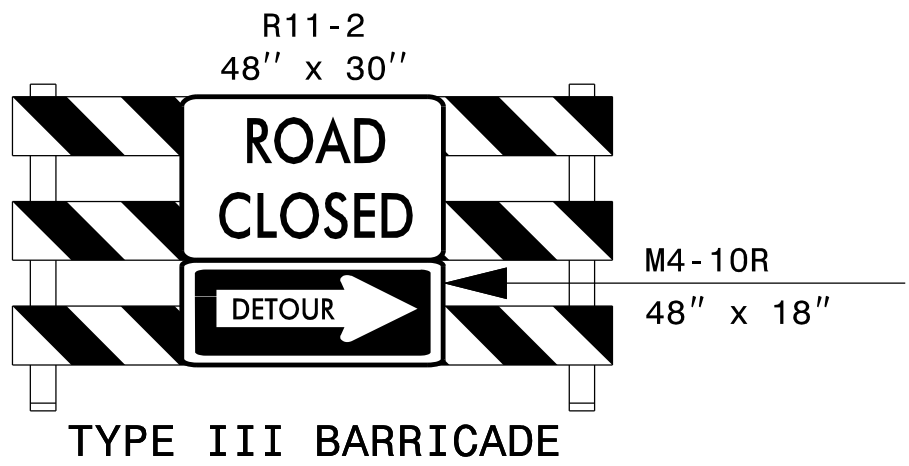
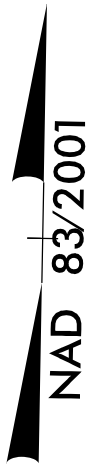


1. THIS DRAWING IS INTENDED FOR USE DURING SHORT TERM CLOSURE OF RMP-2325
2. RAMP CLOSURE SHALL BE APPROVED BY THE ENGINEER.
3. SEE SPECIAL PROVISION, "INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES".

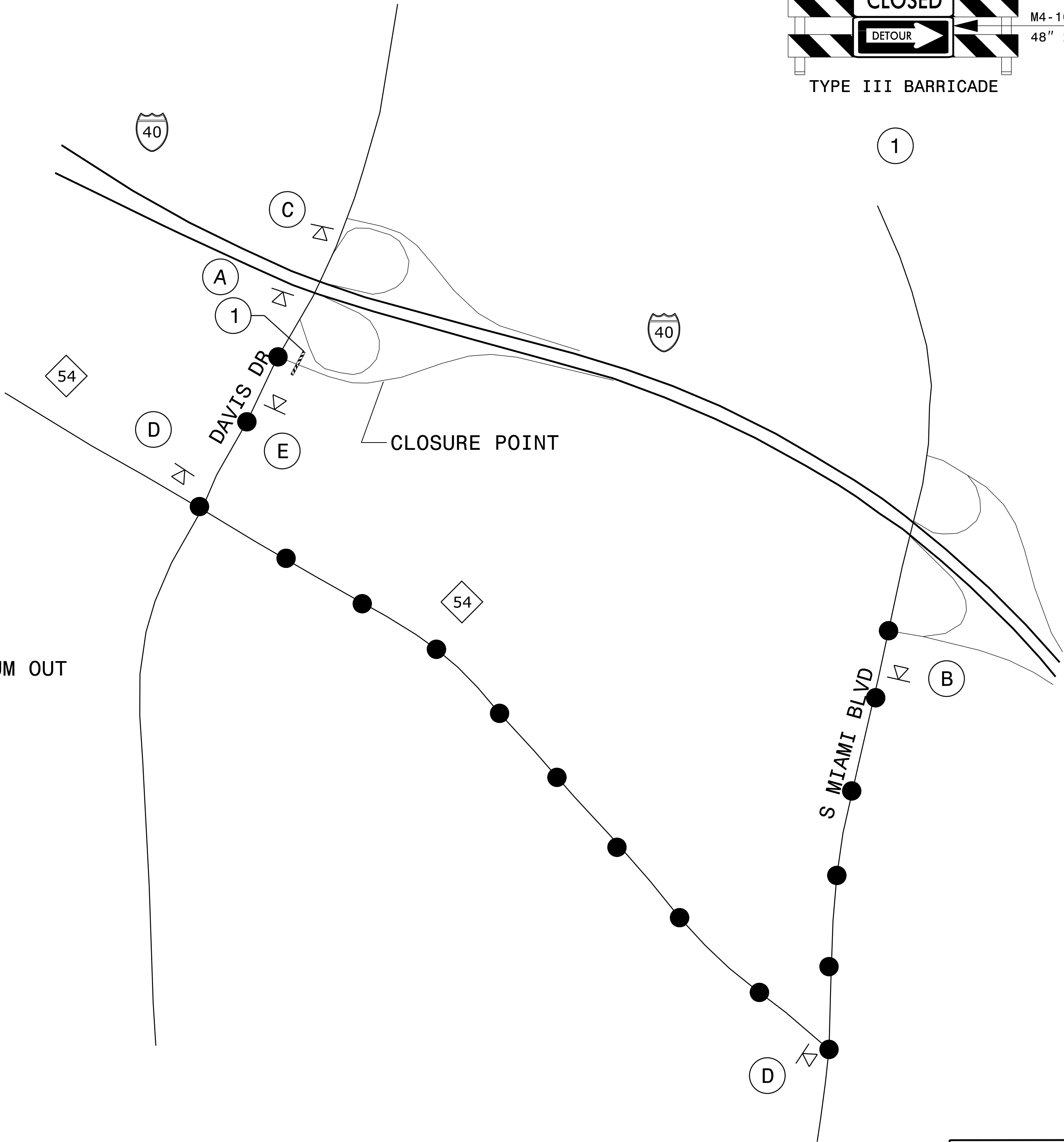


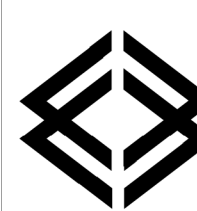
DETOUR FOR I-885 SB
ON RAMP TO I-40 EB

PROJ. REFERENCE NO.	SHEET NO.
I - 5995	TMP - 2B



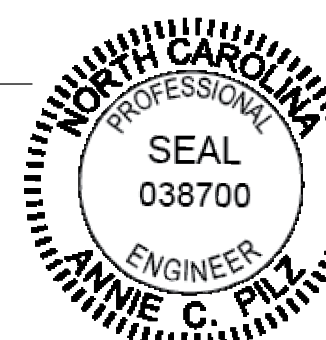
NOTE: CONTRACTOR TO DRUM OUT RAMP LANE OPENING



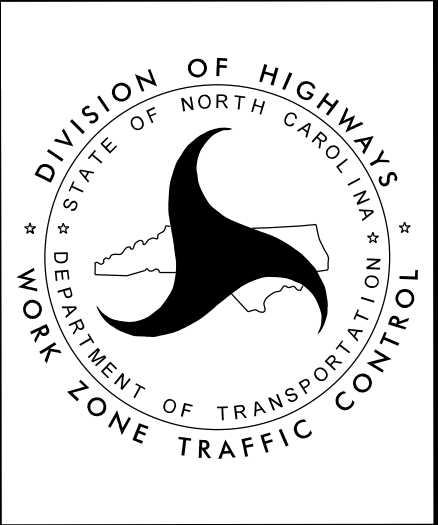


ENIGMA
ENGINEERING
NC FIRM LICENSE NO: P-2370
2524 PENNYSHIRE LANE
RALEIGH, NC 27606

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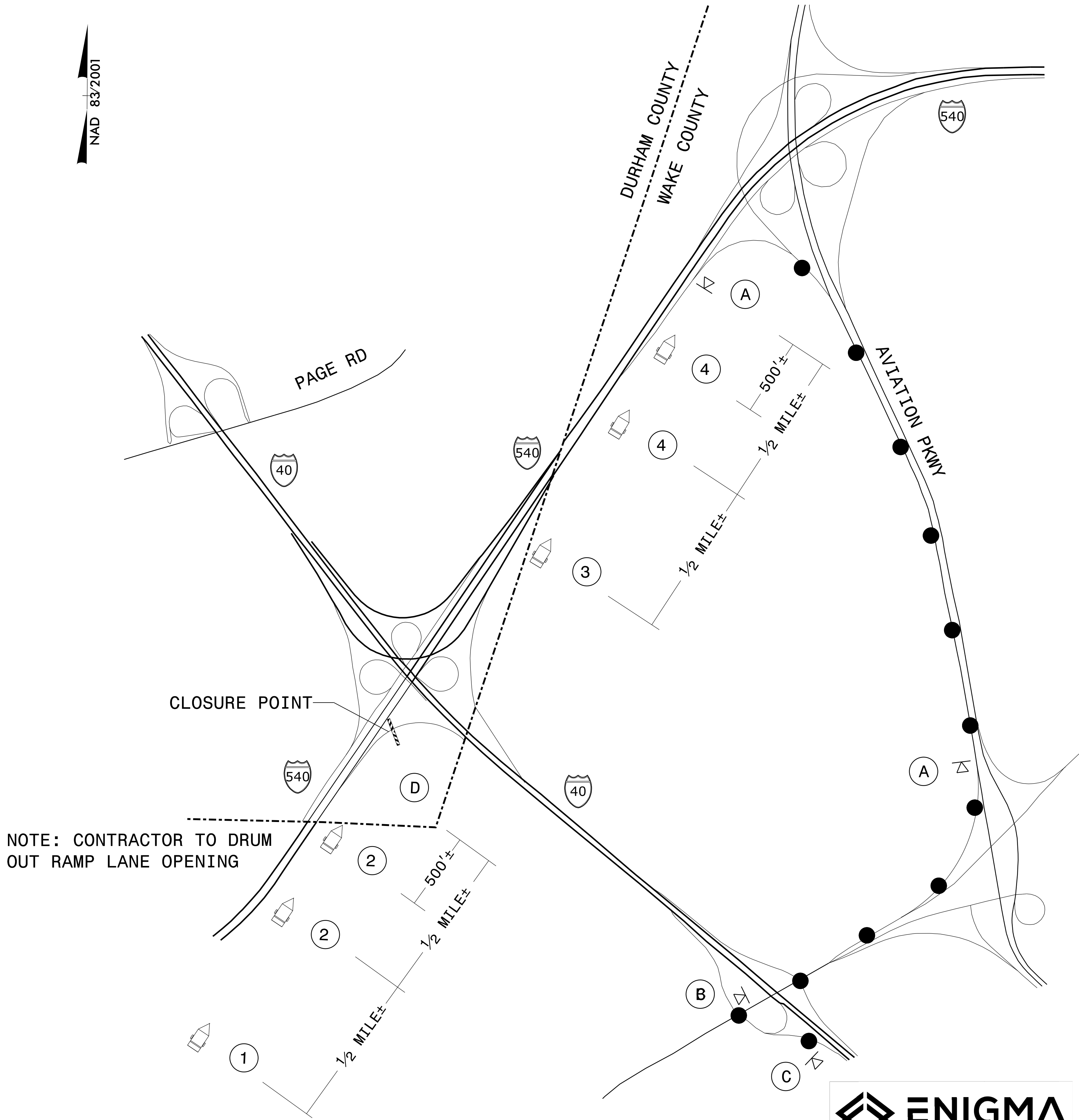
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DETOUR ROUTE FOR
DAVIS DRIVE ON RAMP
TO I-40 EB

7-JUL-2026 09:57
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Annie Pilz AT LAPTOP-V01M82EL

PROJ. REFERENCE NO.	SHEET NO.
I - 5995	TMP - 2C



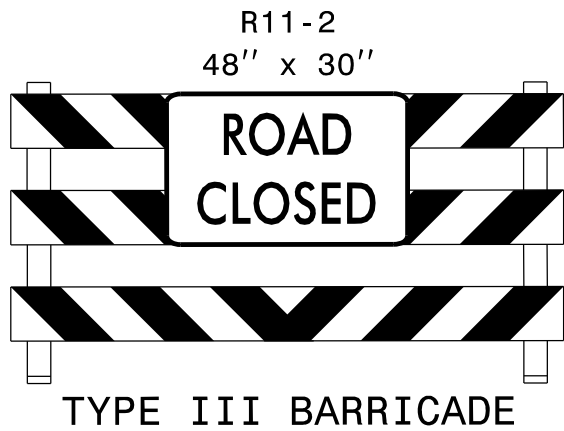
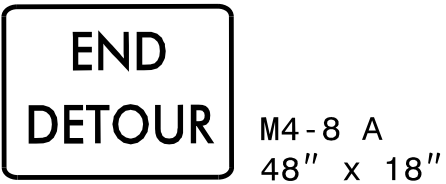
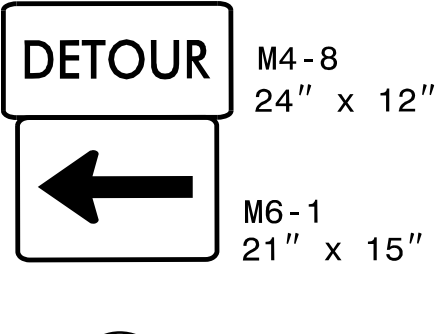
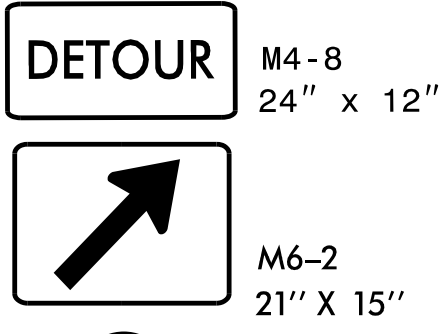
NOTE: CONTRACTOR TO DRUM
OUT RAMP LANE OPENING

MESSAGE NO. 1	MESSAGE NO. 2
I - 40 EB RAMP CLOSED	DETOUR AHEAD .
CHANGEABLE MESSAGE SIGN	

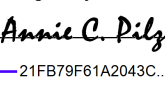
MESSAGE NO. 1	MESSAGE NO. 2
I - 40 EB RAMP CLOSED	EXIT AVIATION PKWY
CHANGEABLE MESSAGE SIGN	

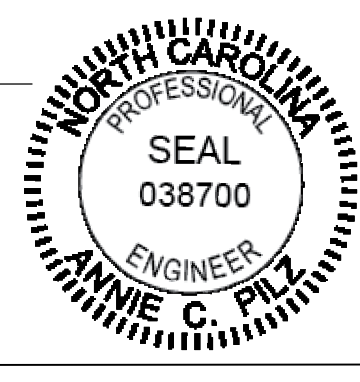
MESSAGE NO. 1	MESSAGE NO. 2
I - 40 EB DETOUR TRAFFIC	DETOUR AHEAD .
CHANGEABLE MESSAGE SIGN	

MESSAGE NO. 1	MESSAGE NO. 2
I - 40 EB DETOUR TRAFFIC	EXIT AVIATION PKWY
CHANGEABLE MESSAGE SIGN	

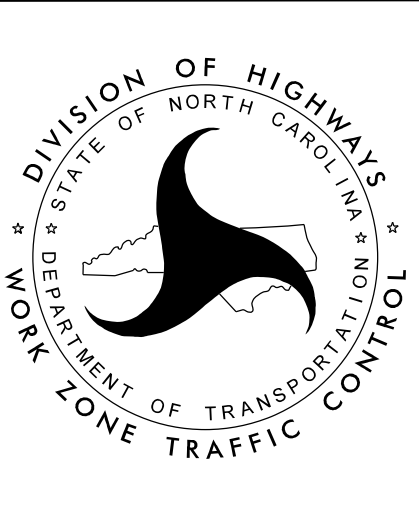


2524 PENNYSHIRE LANE
RALEIGH, NC 27606

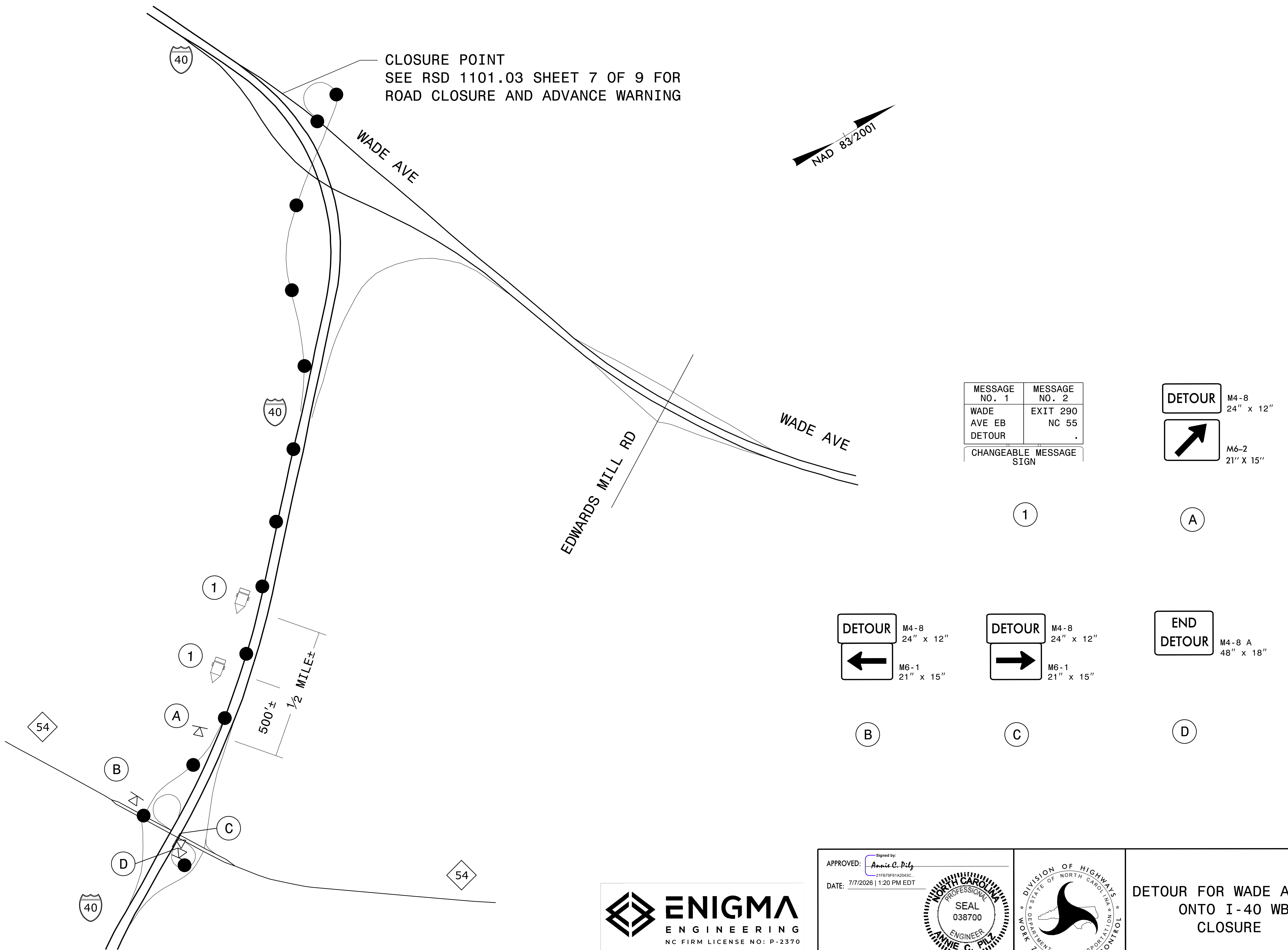
APPROVED: 
DATE: 7/7/2026 | 1:20 PM EDT



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DETOUR FOR I-540 EB
RAMP ONTO I-40 EB



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 ente Plz AT LAPTOP-V0IM8ZEL



ENIGMA
ENGINEERING
NC FIRM LICENSE NO: P-2370

*2524 PENNSYLVANIA LANE
RALEIGH, NC 27606*

APPROVED:  Signed by:
21FB79F61A2043C...

DATE: 7/7/2026 | 1:20 PM EDT

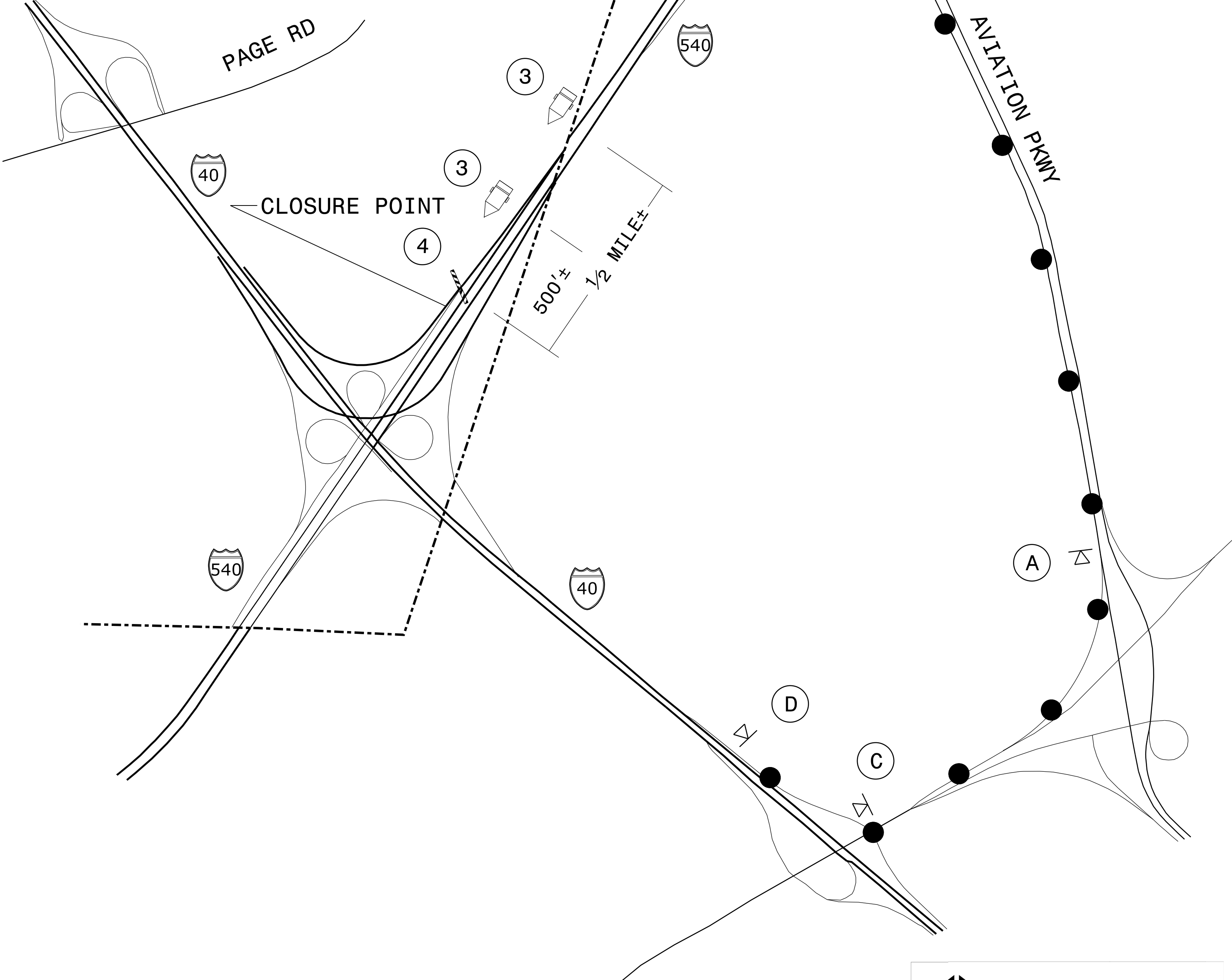


DETOUR FOR WADE AVE WB
ONTO I-40 WB
CLOSURE

PROJ. REFERENCE NO.	SHEET NO.
I - 5995	TMP - 2E



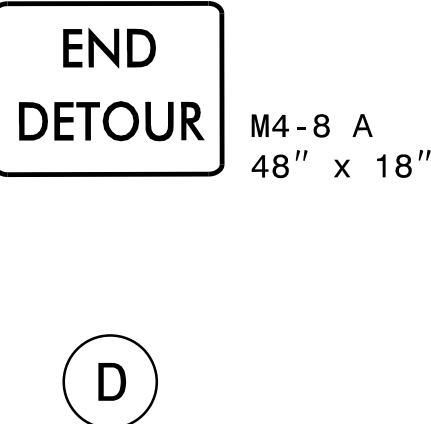
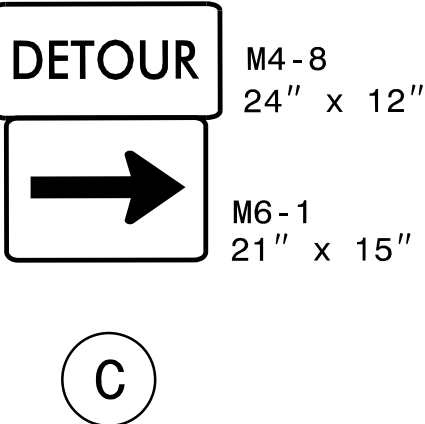
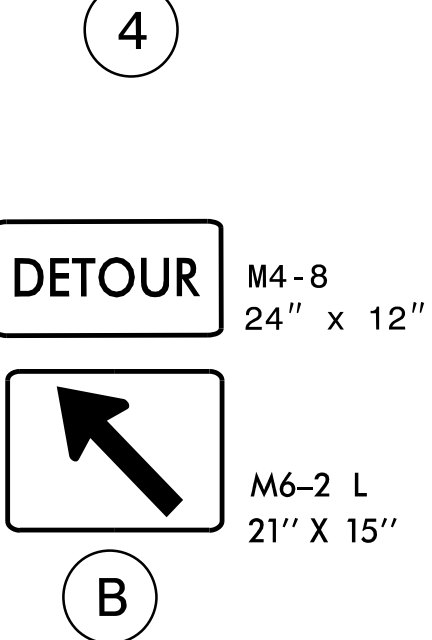
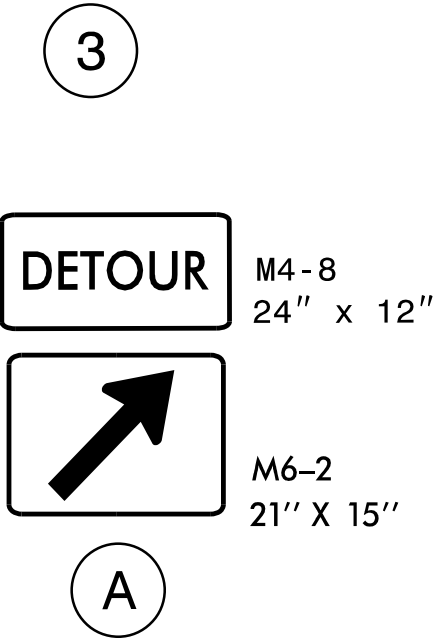
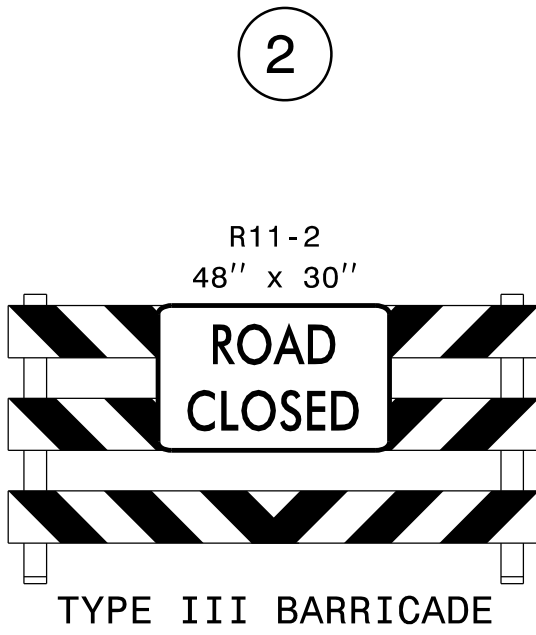
NOTE: CONTRACTOR TO DRUM
OUT RAMP LANE OPENING



MESSAGE NO. 1	MESSAGE NO. 2
I - 40 WB RAMP CLOSED	DETOUR AHEAD
CHANGEABLE MESSAGE SIGN	

MESSAGE NO. 1	MESSAGE NO. 2
I - 40 WB RAMP CLOSED	EXIT AVIATION PKWY
CHANGEABLE MESSAGE SIGN	

MESSAGE NO. 1	MESSAGE NO. 2
I - 40 WB RAMP	CLOSED AHEAD
CHANGEABLE MESSAGE SIGN	

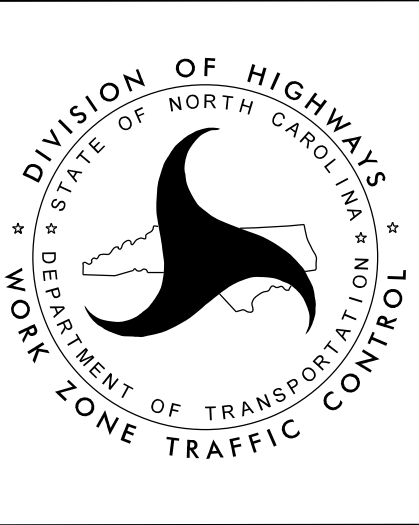


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NC FIRM LICENSE NO: P-2370

2524 PENNYSHIRE LANE
RALEIGH, NC 27606

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DETOUR FOR I-540 WB
RAMP ONTO I-40 WB

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Annie Pilz AT LAPTOP-V01M82EL

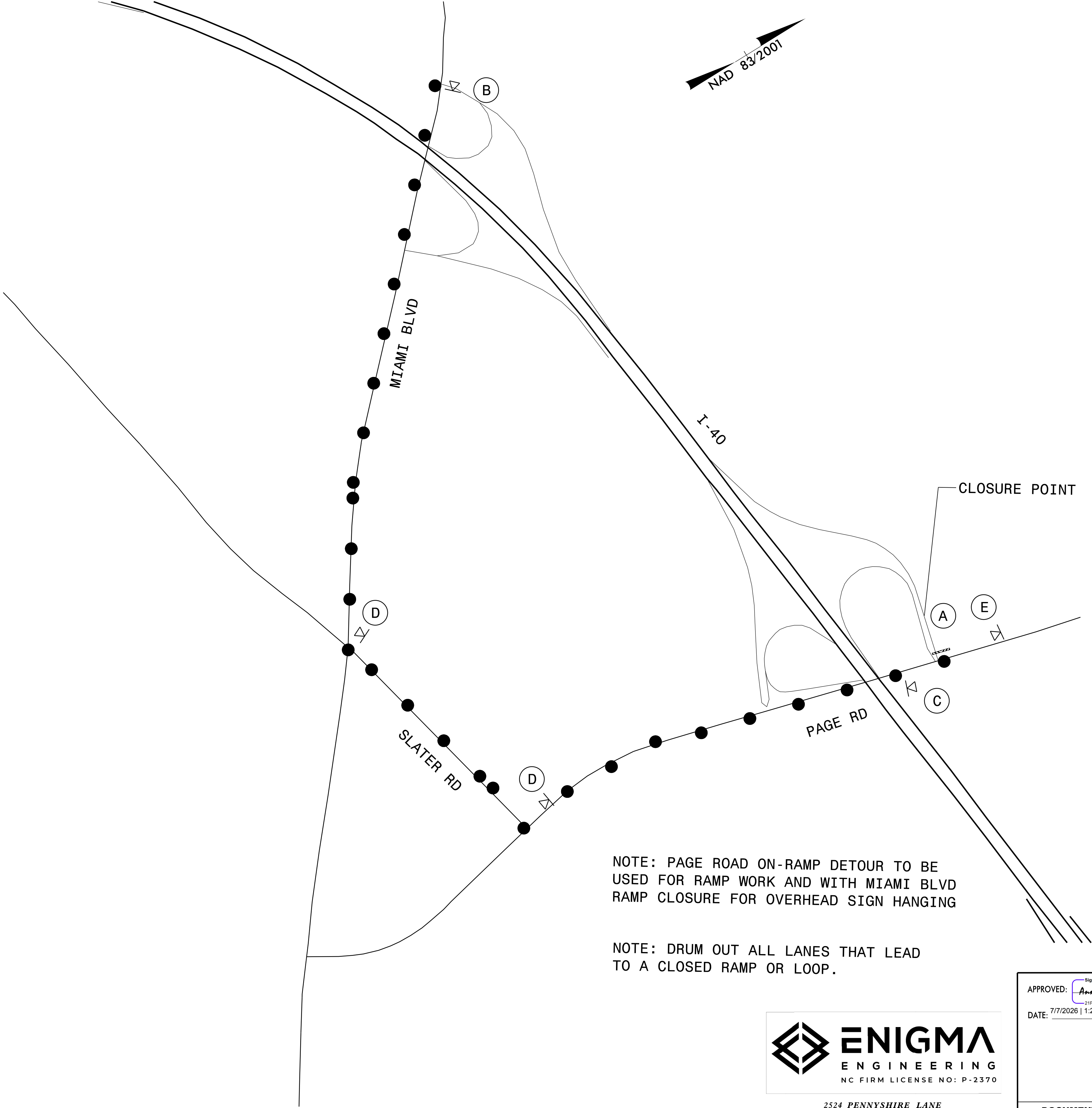


2524 PENNYSHIRE LANE
RALEIGH, NC 27606



DETOUR FOR I-40 WB
RAMP ONTO I-885 NB

PROJ. REFERENCE NO.	SHEET NO.
I - 5995	TMP - 2G



R11-2
48" x 30"

ROAD
CLOSED

DETOUR

M4-10L
48" x 18"

TYPE III BARRICADE

A

END
DETOUR

M4-8 A
48" x 18"

B

ROAD
CLOSED
AHEAD

W20-3
48" x 48"

SP-4L
42" X 12"

C

DETOUR

M4-8
24" x 12"

M6-1
21" x 15"

D

ROAD
CLOSED
AHEAD

W20-3
48" x 48"

SP-4R
42" X 12"

E

7-JUL-2026 09:57
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Annie Pilz AT LAPTOP-V01M82EL

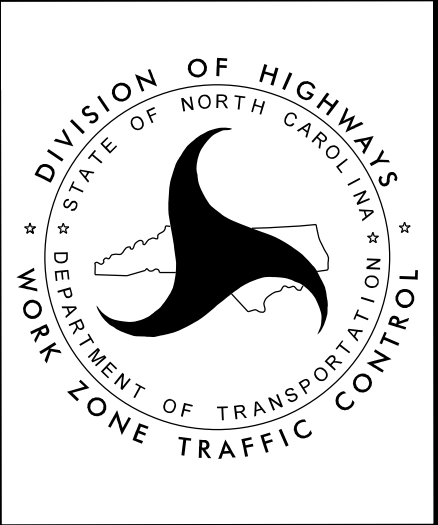
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NC FIRM LICENSE NO: P-2370

2524 PENNYSHIRE LANE
RALEIGH, NC 27606

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North Carolina
Professional Engineer
Seal
038700
Annie C. Pilz

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DETOUR FOR PAGE RD
ON RAMP TO I-40 WB

PROJ. REFERENCE NO.	SHEET NO.
I - 5995	TMP - 3

PHASING NOTES

NOTES:

- RSD REFERS TO NCDOT ROADWAY STANDARD DRAWINGS.
- ALL LANES ARE TO BE OPENED AT THE END OF EACH WORKDAY (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).
- CONTRACTOR TO COORDINATE WITH WAKE COUNTY EMERGENCY SERVICES (CHRIS HOFFMAN AT 919-856-5612); DURHAM COUNTY EMERGENCY SERVICES (MARK LOCKHART AT 919-560-8285; AND GO TRIANGLE (JASON HARDIN AT 919-314-8702).
- AT ANY INTERCHANGE, CONTRACTOR MAY ONLY HAVE I-40 EB RAMPS/LOOPS OR I-40 WB RAMPS/LOOPS CLOSED AT A GIVEN TIME.
- EXCEPT IN CASES WHERE THE LENGTH OF THE TRAFFIC CONTROL REQUIRES IT, THE CONSTRCTOR MAY ONLY CLOSE ONE CONSECUTIVE INTERCHANGE AT A TIME TO ALLOW FOR DETOURS.
- CONTRACTOR IS TO LIMIT THE TIME OF EXPOSED MILL SURFACE (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).
- CONTRACTOR TO COORDINATE WITH NCDOT DIVISION 5 REGARDING INTERACTION WITH ADJACENT PROJECTS.
- CONTRACTOR TO DRUM OUT ALL LANES THAT LEAD TO RAMP/LOOP CLOSURES.

STEP 1:

PRIOR TO ANY WORK OPERATIONS, USE RSD 1101.01 (SHEETS 1 AND 2) TO INSTALL ALL ADVANCE WORK ZONE WARNING SIGNS.

STEP 2:

USING RSD 1101.02 (SHEETS 4, 8, 9 OF 19 AND TMP-1D), MILL AND RESURFACE I-40 EB AND WB. PLACE ALL DRAINAGE, PERFORM MACHINING IN GRASS MEDIANS AND PLACE GUARDRAIL (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES ASSOCIATED WITH ELIMINATING UNEVEN TRAVEL LANES)(SEE ROADWAY PLANS).

USING RSD 1101.02 (SHEETS 10, 11, 12 AND 13 OF 19) AND OFF-SITE DETOURS, MILL AND RESURFACE RAMPS/LOOPS, INCLUDING SIGNAL LOOPS, AND PAVEMENT MARKINGS (SEE DETOUR SHEETS TMP-2 THRU TMP-2G) (SEE ROADWAY PLANS).

USING RSD 1101.02 (SHEETS 4, 8, 9 OF 19 AND TMP-1D) AND OFF-SITE DETOURS, PLACE OVERHEAD SIGNS ALONG I-40 EB AND I-40 WB (SEE DETOUR SHEETS) (SEE SIGNING PLANS).

STEP 3:

USING RSD 1101.02 (SHEETS 4, 8, 9 OF 19 AND TMP-1D), INSTALL PAVEMENT MARKINGS AND MARKERS ON ALL LANES OF I-40 EB AND WB INCLUDING ALL RAMPS/LOOPS.

STEP 4:

REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES AND PLACE TRAFFIC IN FINAL PATTERN.



2524 PENNSYSHIRE LANE
RALEIGH, NC 27606

APPROVED:

Signed by:

DATE: 7/7/2026 | 1:20 PM EDT

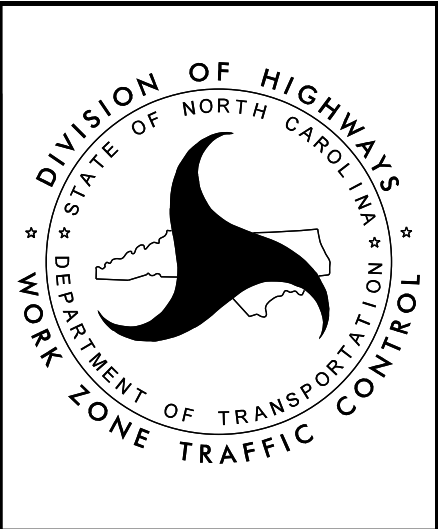
PROFESSIONAL SEAL

038700

ENGINEER

ANNIE C. PILZ

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PHASING NOTES