## PLAN FOR PROPOSED TRAFFIC CONTROL, MARKING & DELINEATION

## HENDERSON COUNTY

### ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS". ROADWAY DESIGN UNIT-N.C. DEPARTMENT OF TRANSPORTATION-RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES (TYPE III)
1150.01	FLAGGERS
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - ARROW SYMBOLS
1250.01	PAVEMENT MARKER SPACING
1253.01	SNOWPLOWABLE RAISED PAVEMENT MARKERS
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

### INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS,
	LEGEND, INDEX OF SHEETS AND TEMPORARY
	PAVEMENT MARKING SCHEDULE
TCP-2	PROJECT NOTES
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TCP-4	DETOUR DETAIL A
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TCP-6	DETOUR DETAIL B
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TCP-8	DETOUR DETAIL C
TCP-9	PHASE IV OVERVIEW AND PHASING
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TCP-11	PHASE V OVERVIEW AND PHASING
TCP-12	DETOUR DETAIL E
TCP-13	TEMPORARY DETOUR SIGN
TCP-14	DETAIL DRAWING FOR WORK ZONE SIGNS
PM-1	FINAL PAVEMENT MARKING SCHEDULE

### TEMP. PAV'T. MARKING SCHEDULE

SYMBOL	DESCRIPTION	QUAN BREAK			PAY	ITEM	TOTAL QUANTITY		
		PAVEMENT MARK	ING	LINES					
					<b>PAINT</b>	(4")			
PA	WHITE EDGELINE 2X	60180	LF						
PD	2 FT. WHITE MINISKIP 2X	57	LF						
PE	WHITE SOLID LANE LINE 2X	92	LF						
ΡI	YELLOW DOUBLE CENTER LINE 2X	56520	LF						
					TOTAL		116849	LF	
					PAINT	(24")			
P4	WHITE STOPBAR 2X	348	l F		1 / (214)	(2-7 )			
, ,	milite of or britter	0.10			TOTAL		348	LF	
		PAVEMENT MARK	<b>(ING</b>	SYMBOLS					
					PAINT				
QA	LEFT TURN ARROW 2X	2	EA						
QB	RIGHT TURN ARROW 2X	2	EA						
					TOTAL		4	EA	

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, 1X IMPLIES A SINGLE APPLICATION, 2X IMPLIES TWO APPLICATIONS, AND 3X IMPLIES THREE APPLICATIONS.

### **LEGEND**

#### **GENERAL**

DIRECTION OF TRAFFIC FLOW

PROPOSED PVMT. ----- EXIST. PVMT.

WORK AREA

#### TRAFFIC CONTROL DEVICES

T TYPE I BARRICADE

T TYPE II BARRICADE

TYPE III BARRICADE

FLASHING ARROW PANEL (TYPE C)

TYPE 'B' WARNING LIGHT

— STATIONARY SIGN

□ PORTABLE SIGN

STATIONARY OR PORTABLE SIGN

WARNING FLAGS

CRASH CUSHION

CHANGEABLE MESSAGE SIGN

TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)

POLICE

**FLAGGER** 

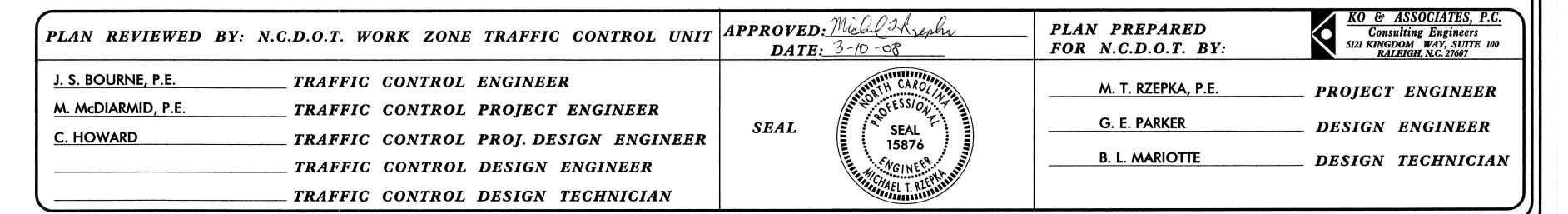
#### PAVEMENT MARKINGS

CRYSTAL/CRYSTAL PAVEMENT MARKER

YELLOW/YELLOW PAVEMENT MARKER

CRYSTAL/RED PAVEMENT MARKER

↑ ↑ ↑ PAVEMENT MARKING SYMBOLS



### PROJECT NOTES

PROJ. REFERENCE NO. SHEET NO. 14C.045116 TCP-2

> Plans prepared by: KO & ASSOCIATES, P.O. Consulting Engineers 5121 KINGDOM WAY, SUITE 10 RALEIGH, N.C. 27607 For Division of Highways

### GENERAL NOTES

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 UNDESIRED 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.

#### LANE AND SHOULDER CLOSURE REQUIREMENTS

- A) 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.
- B) 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.
- C) 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.
- D) 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.

#### PAVEMENT EDGE DROP OFF REQUIREMENTS

E) 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 A 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.

F) DO NOT EXCEED A DIFFERENCE OF 2.0 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

G) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

#### SIGNING

H) 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.

WHEN NO WORK IS BEING CONDUCTED FOR A PERIOD LONGER THAN ONE WEEK, REMOVE OR COVER ALL ADVANCE WORK ZONE WARNING SIGNS, AS DIRECTED BY THE ENGINEER, AT NO COST TO THE DEPARTMENT.

- I) STATE FORCES WILL BE RESPOSIBLE FOR PERMANENT SIGNING.
- J) PROVIDE DETOUR SIGNING.
- K) COVER OR REMOVE ALL DETOUR SIGNS WHEN A DETOUR IS NOT IN OPERATION.
- L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

#### TRAFFIC CONTROL DEVICES

- M) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT.
- N) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

#### PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME

MARKING

MARKER

SNOWPLOWABLE

SR 1171, CUMMINGS RD.

THERMOPLASTIC

P) INSTALL TEMPORARY PAVEMENT MARKINGS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME

MARKING

SR 1171, CUMMINGS RD.

PAINT

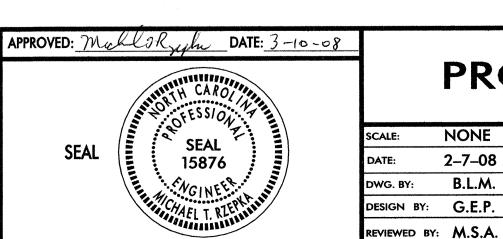
- Q) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- R) PLACE ONE APPLICATIONS OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX (6) MONTHS AS DIRECTED BY THE ENGINEER

#### **MISCELLANEOUS**

S) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAYS 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) 500 FT AND 1000 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

### LOCAL NOTES

THE CONTRACTOR SHALL COORDINATE WITH RESIDENTS AND EMERGENCY AGENCIES TO PROVIDE ACCESS TO PROPERTIES LOCATED ALONG CLOSED SECTIONS OF -L- (SR 1171, CUMMINGS RD.)



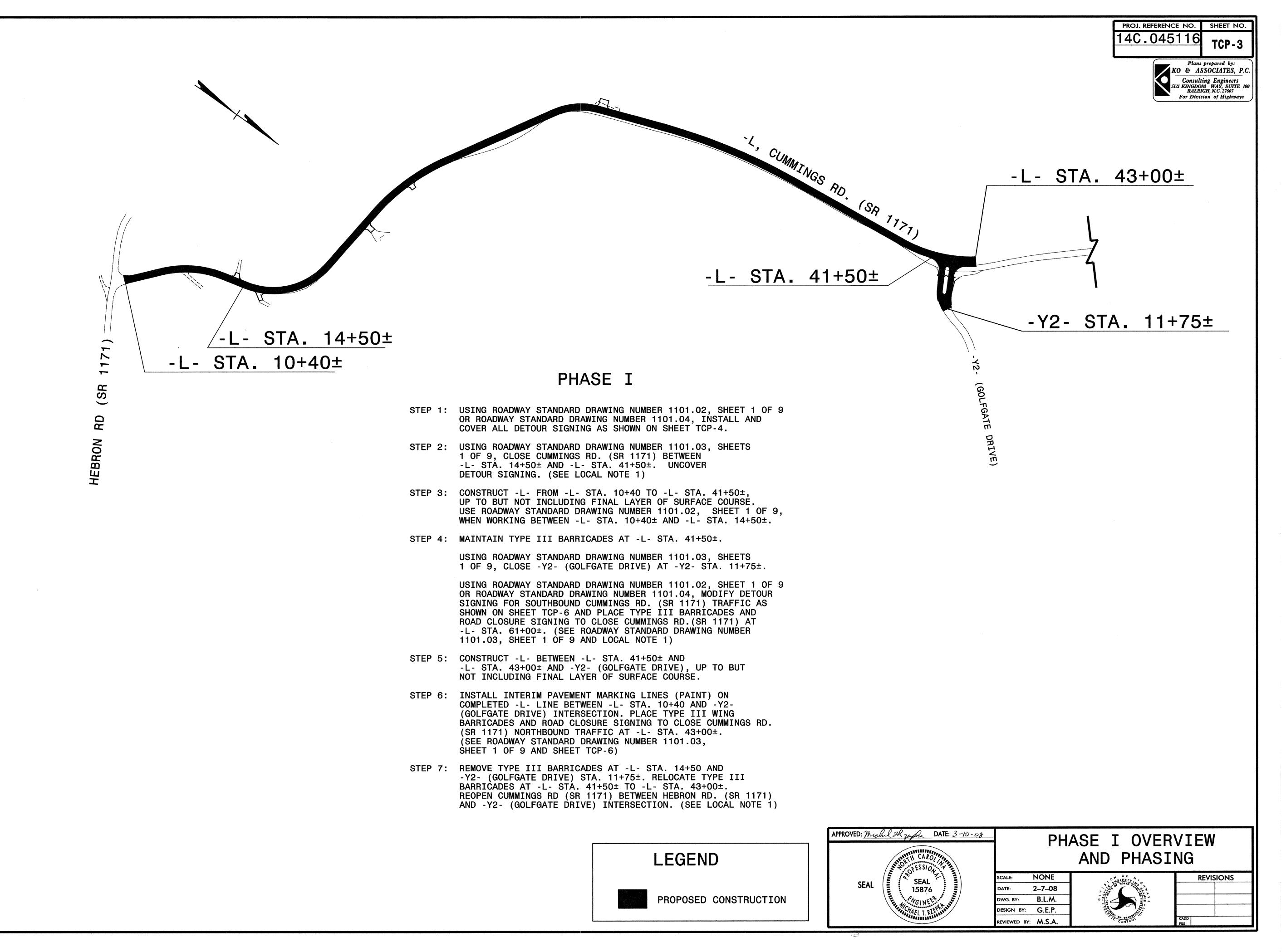
### PROJECT NOTES

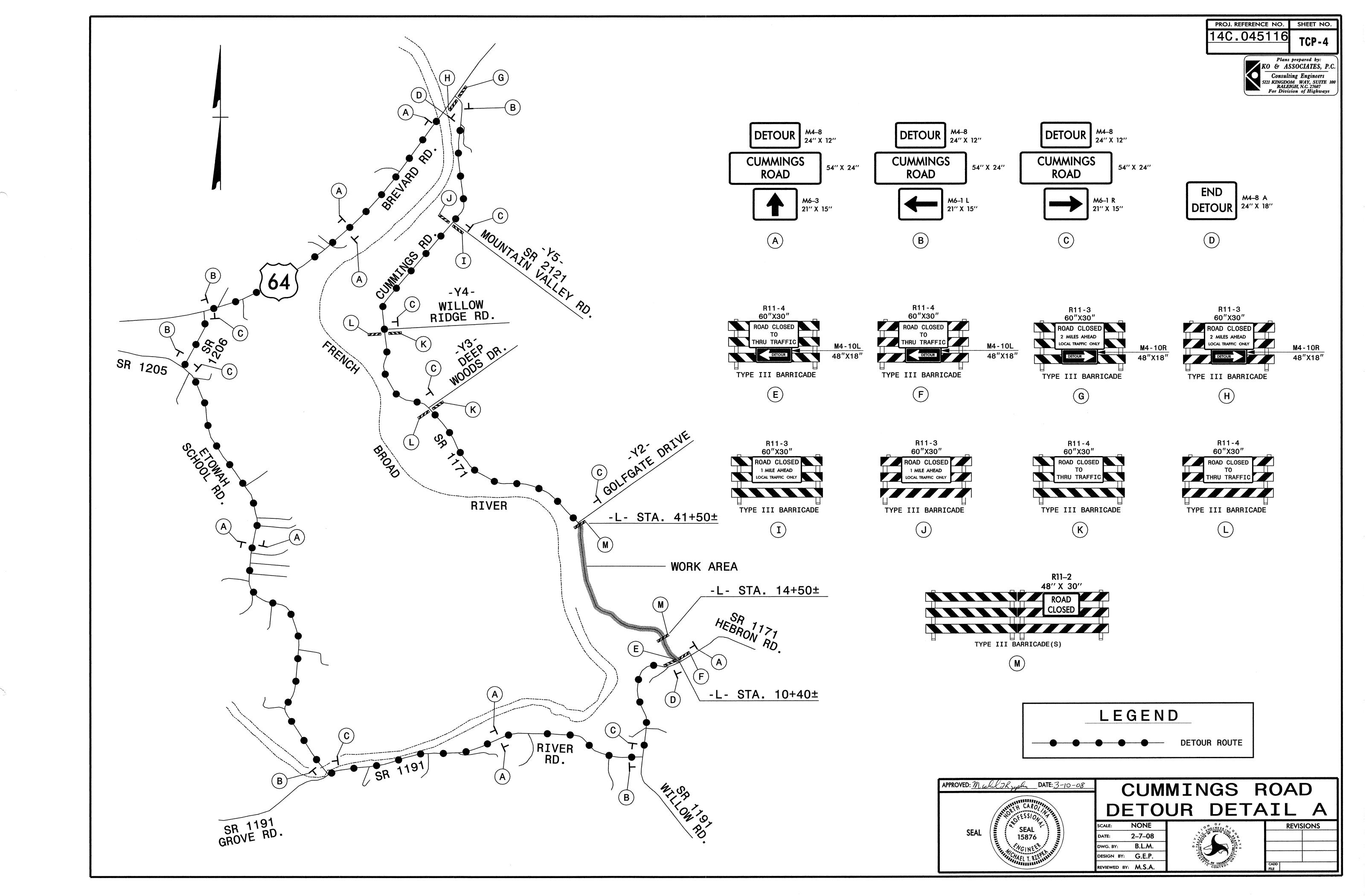
	OHGINEER
	S CH HONTH CAROL
1	a F
1	
1	CONTROL

NONE

2-7-08

S ENGINEER HORTH C	ACC 1 1 1
	A S
CONTRO	9%ir 

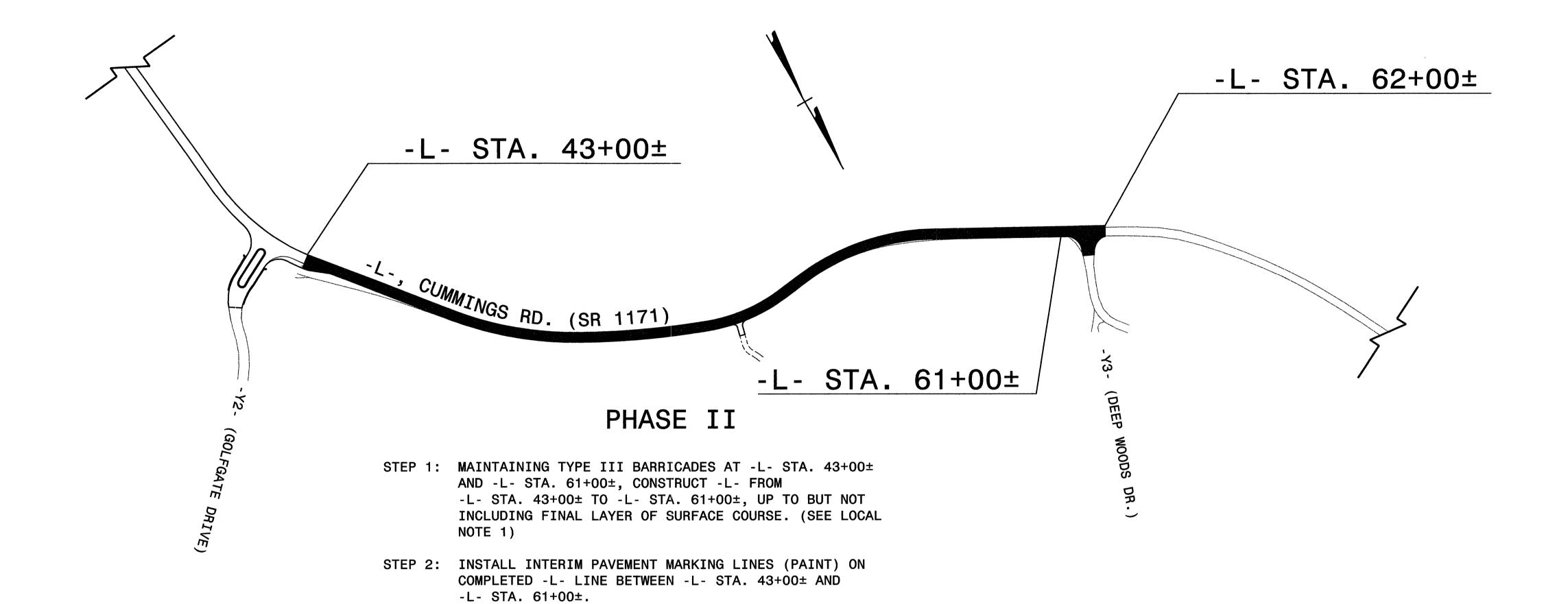




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RALEIGH, N.C. 27607
For Division of Highways



DRAWING NUMBER 1101.03, SHEET 1 OF 9) TO CLOSE CUMMINGS RD. AT -L- STA. 62+00±. (SEE SHEET TCP-8)

STEP 3: USING ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1

PLACE ROAD CLOSURE SIGNING (REFER TO ROADWAY STANDARD

OF 9 OR ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1
OF 9 OR ROADWAY STANDARD DRAWING NUMBER 1101.04, MODIFY
DETOUR SIGNING FOR SOUTHBOUND CUMMINGS RD. (SR 1171)
TRAFFIC AS SHOWN ON SHEET TCP-8 AND PLACE TYPE III
BARRICADES AND ROAD CLOSURE SIGNING TO CLOSE CUMMINGS RD.
(SR 1171) AT -L- STA. 73+50±. (SEE ROADWAY STANDARD
DRAWING NUMBER 1101.03, SHEET 1 OF 9 AND LOCAL NOTE 1)

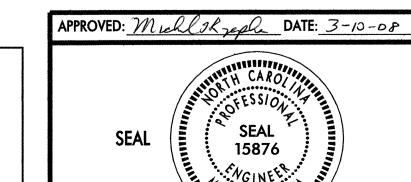
REMOVE TYPE III BARRICADE AT -L- STA. 43+00 AND RELOCATE TYPE III BARRICADE AT -L- STA. 61+00± TO -L- STA.62+00±. REOPEN CUMMINGS RD. (SR 1171) BETWEEN -Y2- (GOLFGATE DRIVE) AND -Y3- (DEEP WOODS DR.).

WORKING IN A CONTINUOUS MANNER, USING FLAGGER(S) TO MAINTAIN -Y3- (DEEP WOODS DR.) TRAFFIC (REFER TO ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 OF 9), PAVE/WEDGE EXISTING CUMMINGS RD. BETWEEN -L- STA. 61+00± AND -L- STA. 62+00± AND -Y3- (DEEP WOODS DR.) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

### LEGEND



PROPOSED CONSTRUCTION



# PHASE II OVERVIEW AND PHASING

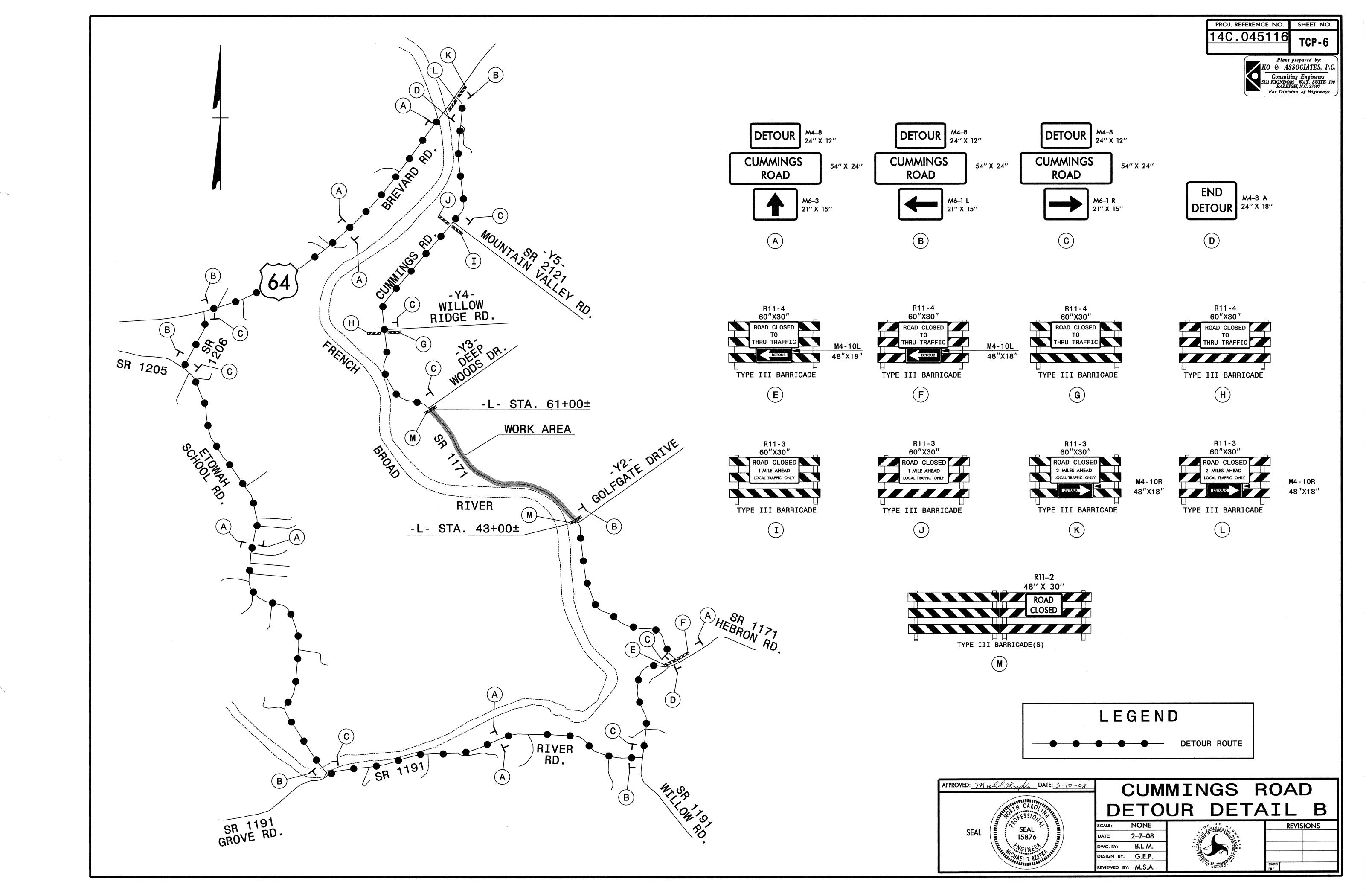
DATE: 2-7-08

DWG. BY: B.L.M.

DESIGN BY: G.E.P.

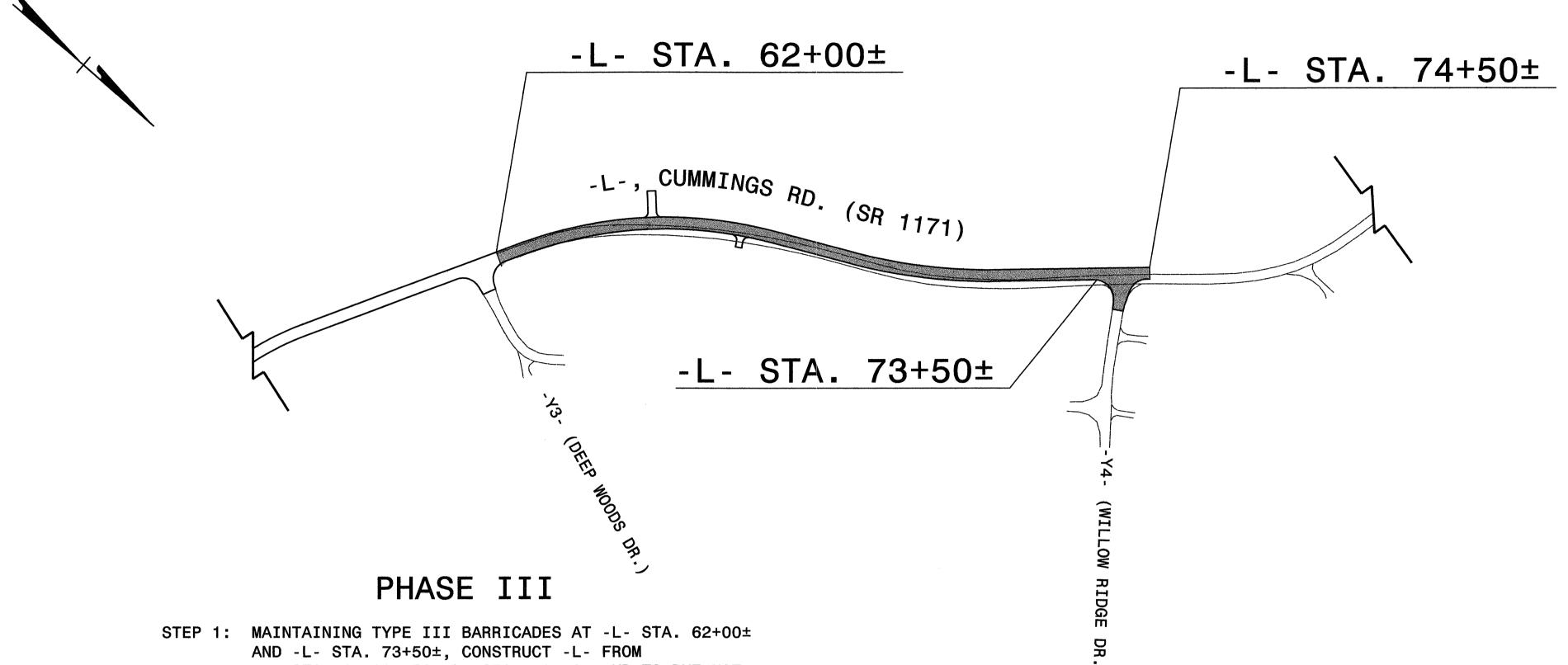
REVIEWED BY: M.S.A.





Plans prepared by:

KO & ASSOCIATES, P.C.



-L- STA. 62+00± TO -L- STA. 73+50±, UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE.

> USING FLAGGER(S) TO MAINTAIN -Y4- (WILLOW RIDGE DR.) TRAFFIC (REFER TO ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 OF 9), BEGIN CONSTRUCTION OF THE LEFT SIDE WIDENING FROM -L- STA. 73+50± TO -L- STA. 74+50± UP TO THE EXISTING EDGE OF PAVEMENT ELEVATION.

STEP 2: INSTALL INTERIM PAVEMENT MARKING LINES (PAINT) ON COMPLETED -L- LINE BETWEEN -L- STA. 62+00± AND -L- STA. 73+50±.

> PLACE ROAD CLOSURE SIGNING (REFER TO ROADWAY STANDARD DRAWING NUMBER 1101.03, SHEET 1 OF 9) TO CLOSE CUMMINGS RD. AT -L- STA. 74+50±. (SEE SHEET TCP-10)

STEP 3: USING ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 OF 9 OR ROADWAY STANDARD DRAWING NUMBER 1101.04, MODIFY DETOUR SIGNING FOR SOUTHBOUND CUMMINGS RD. (SR 1171) TRAFFIC AS SHOWN ON SHEET TCP-10 AND PLACE TYPE III BARRICADES AND ROAD CLOSURE SIGNING TO CLOSE CUMMINGS RD. (SR 1171) AT -L- STA. 104+00±. (SEE ROADWAY STANDARD DRAWING NUMBER 1101.03, SHEET 1 OF 9 AND LOCAL NOTE 1)

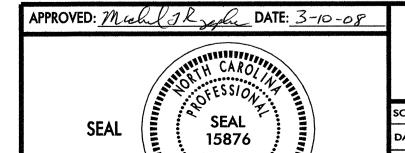
> REMOVE TYPE III BARRICADE AT -L- STA. 62+00 AND RELOCATE TYPE III BARRICADE AT -L- STA. 73+50± TO -L- STA.74+50±. REOPEN CUMMINGS RD. (SR 1171) BETWEEN -Y3- (DEEP WOODS DR.) AND -Y4- (WILLOW RIDGE DR.).

WORKING IN A CONTINUOUS MANNER, USING FLAGGER(S) TO MAINTAIN -Y4- (WILLOW RIDGE DR.) TRAFFIC (REFER TO ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 OF 9), COMPLETE CONSTRUCTION BETWEEN -L- STA. 73+50± AND -L- STA. 74+50± AND -Y4- (WILLOW RIDGE DR.) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

### LEGEND

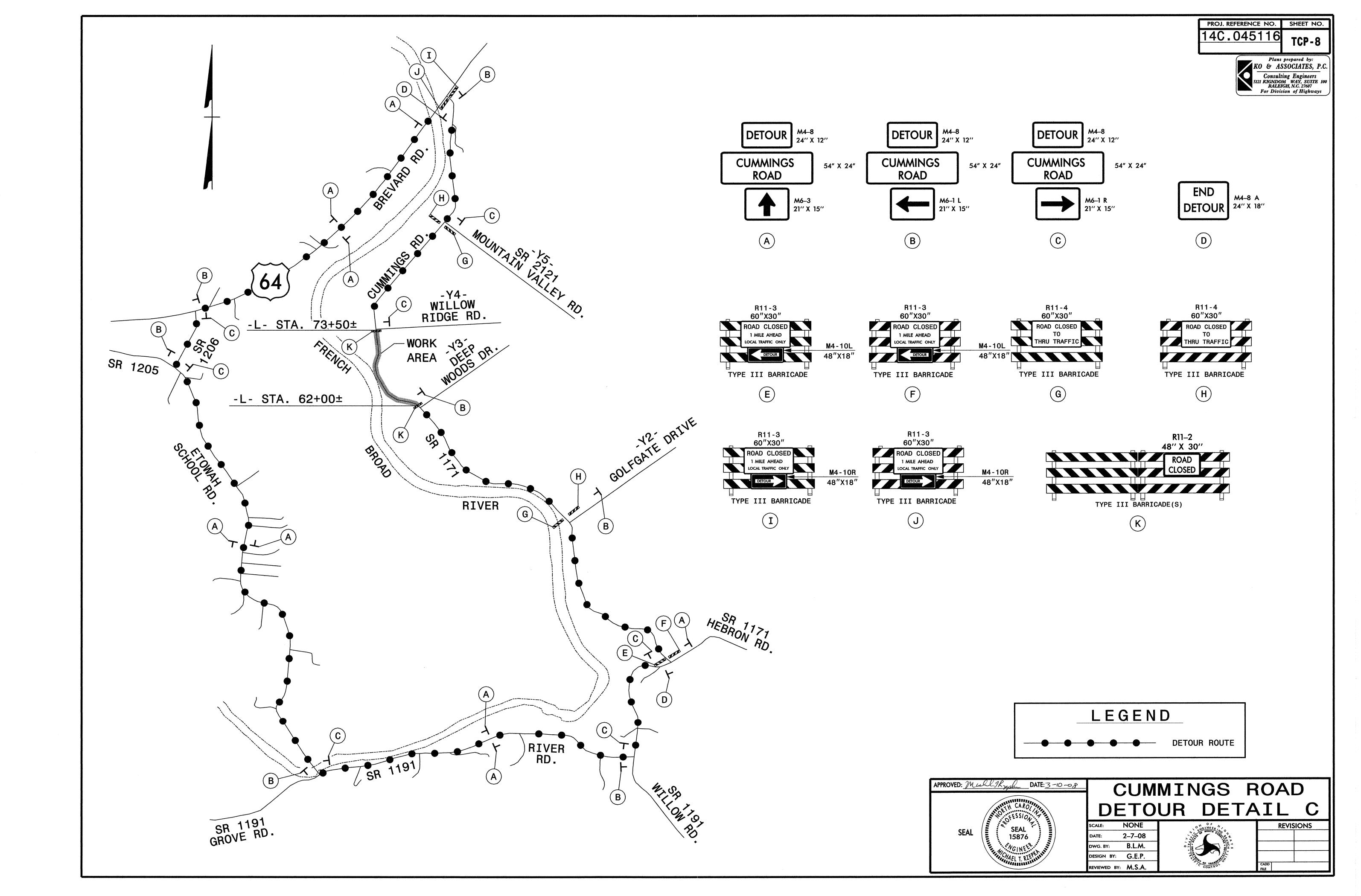


PROPOSED CONSTRUCTION

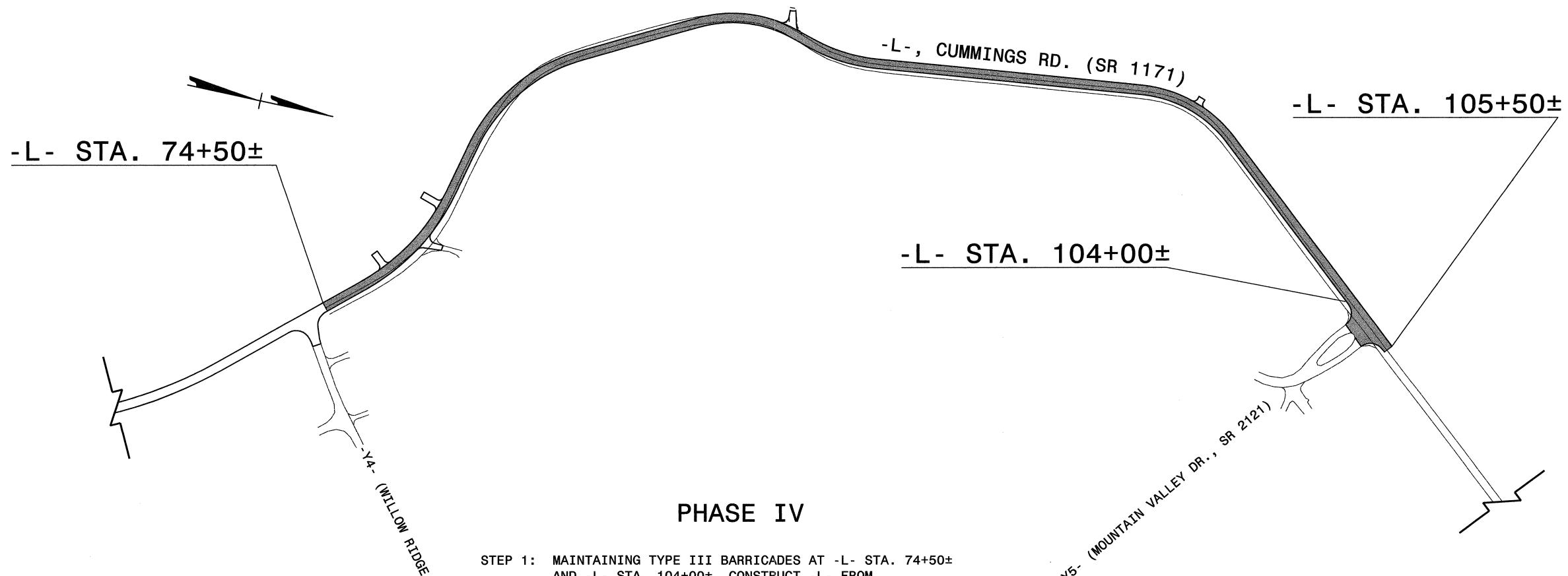


### PHASE III OVERVIEW AND PHASING

NONE 2-7-08 B.L.M. DESIGN BY: G.E.P. REVIEWED BY: M.S.A.



Plans prepared by:
KO & ASSOCIATES, P.C. Consulting Engineers 5121 KINGDOM WAY, SUITE 10 RALEIGH, N.C. 27607 For Division of Highways



AND -L- STA. 104+00±, CONSTRUCT -L- FROM -L- STA. 74+50± TO -L- STA. 104+00±, UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE.

STEP 2: INSTALL INTERIM PAVEMENT MARKING LINES (PAINT) ON COMPLETED -L- LINE BETWEEN -L- STA. 74+50± AND -L- STA. 104+00±.

> PLACE ROAD CLOSURE SIGNING (REFER TO ROADWAY STANDARD DRAWING NUMBER 1101.03, SHEET 1 OF 9) TO CLOSE CUMMINGS RD. AT -L- STA. 105+50±. (SEE SHEET TCP-12)

STEP 3: USING ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 OF 9 OR ROADWAY STANDARD DRAWING NUMBER 1101.04, PLACE TYPE III BARRICADES AND ROAD CLOSURE SIGNING TO CLOSE CUMMINGS RD. (SR 1171) AT -L- STA. 138+85±. (SEE ROADWAY STANDARD DRAWING NUMBER 1101.03, SHEET 2 OF 9 AND LOCAL NOTE 1)

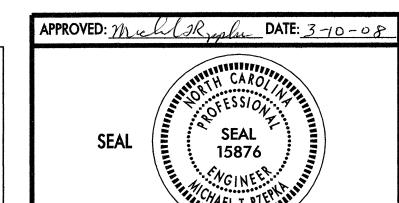
> REMOVE TYPE III BARRICADE AT -L- STA. 74+50 AND RELOCATE TYPE III BARRICADE AT -L- STA. 104+00± TO -L- STA.105+50±. REOPEN CUMMINGS RD. (SR 1171) BETWEEN -Y4- (WILLOW RIDGE DR.) AND -Y5- (MOUNTAIN VALLEY DR., SR 2121).

WORKING IN A CONTINUOUS MANNER, USING FLAGGER(S) TO MAINTAIN -Y5- (MOUNTAIN VALLEY DR., SR 2121) TRAFFIC (REFER TO ROADWAY STANDARD DRAWING NUMBER 1101.02, SHEET 1 OF 9), CONSTRUCT BETWEEN -L- STA. 104+00± AND -L- STA. 105+50± AND -Y5- (MOUNTAIN VALLEY DR., SR 2121) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

LEGEND



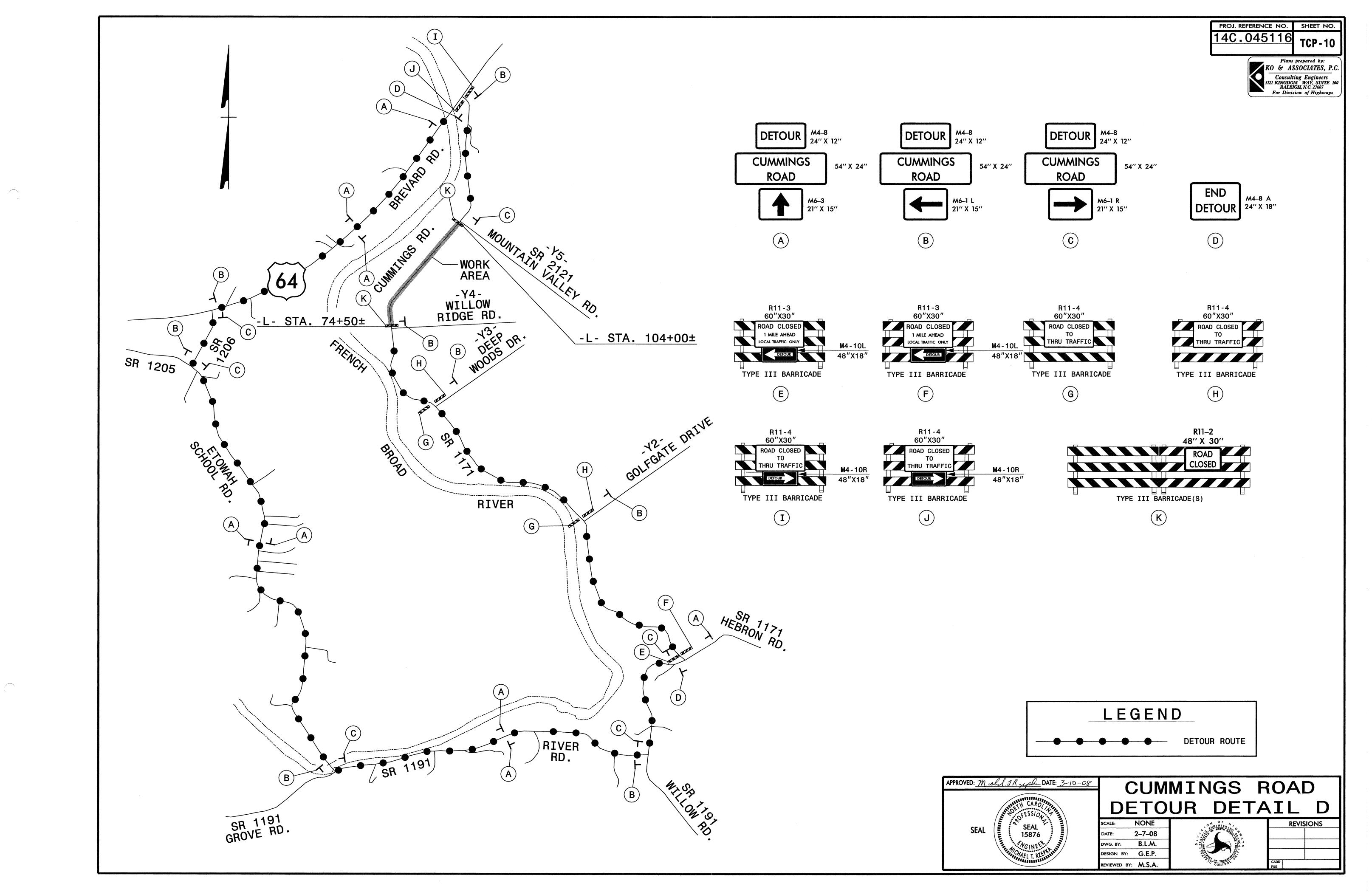
PROPOSED CONSTRUCTION



### PHASE IV OVERVIEW AND PHASING

NONE 2-7-08 B.L.M. DESIGN BY: G.E.P. EVIEWED BY: M.S.A.

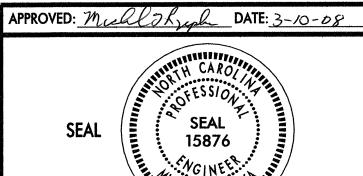




### LEGEND



PROPOSED CONSTRUCTION



### PHASE V OVERVIEW AND PHASING

PROJ. REFERENCE NO.

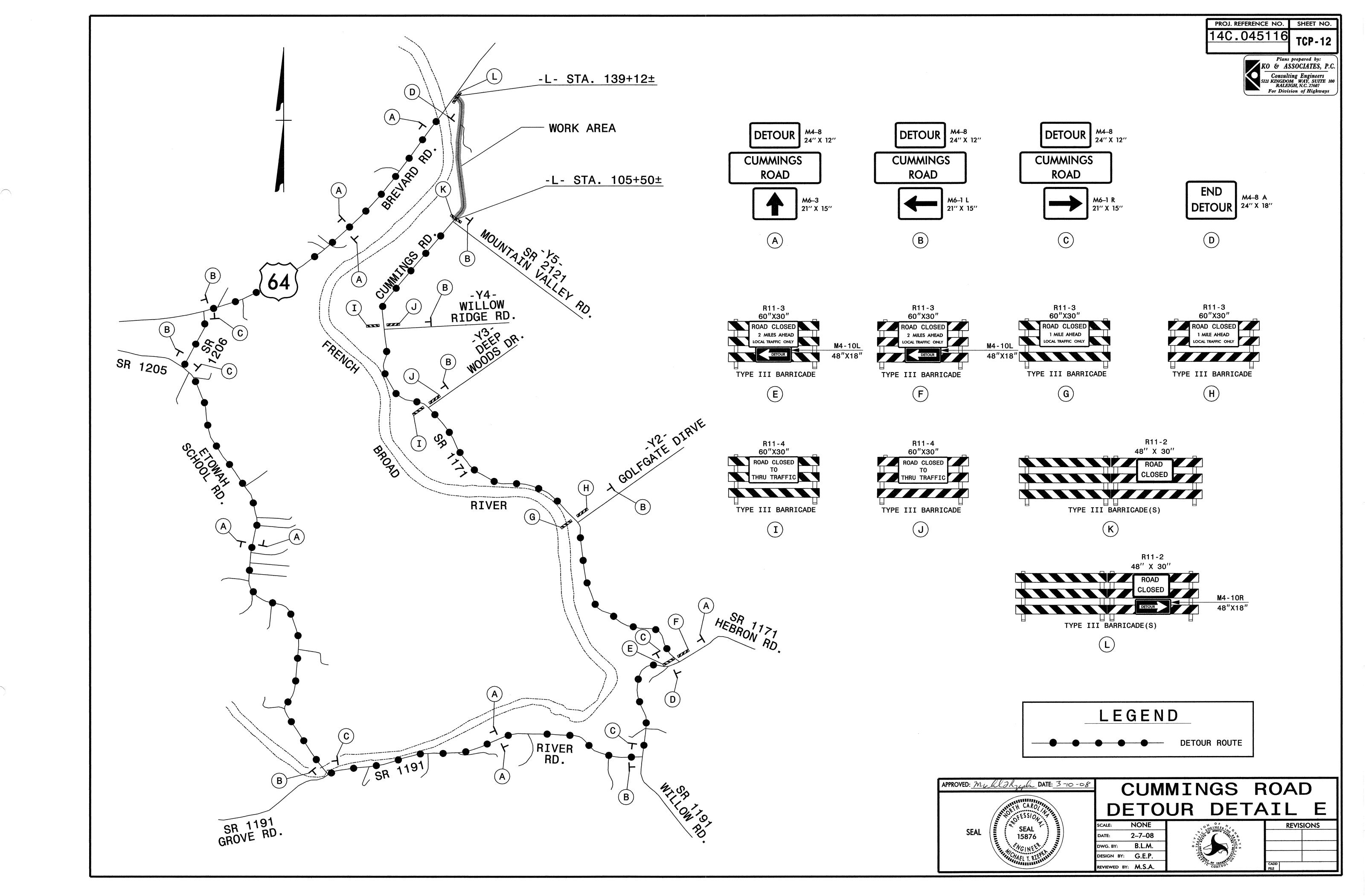
SHEET NO.

TCP-11

Plans prepared by: KO & ASSOCIATES, P.C.

NONE 2-7-08 DWG. BY: B.L.M. DESIGN BY: G.E.P. REVIEWED BY: M.S.A.





C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH

BACKG COLOR: Green SIGN NUMBER: name COPY COLOR: White TYPE: D QUANTITY: ? X Y WID HT SYMBOL SIGN WIDTH: 4'-6" HEIGHT: 2'-0" TOTAL AREA: 9.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS: LENGTH:

USE NOTES: 1 AND 4

1. Legend and border shall be direct applied Type III reflective sheeting.

2. Legend and border shall be direct applied non-reflective sheeting.

3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.

4. Background shall be Type III reflective sheeting.

5. Background shall be Type I reflective sheeting.

6-Center arrow(s) vertically on sign.

7. Bottom panel shall be yellow Type III sheeting.
Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

STD #: 149 DESIGN BY: GEP CHECKED BY: MSA DATE: Jul 26,2005 DIV: 14 PROJECT ID: 14C.045116 BORDER R = 3 " TH = 0.75"

LETTER POSITIONS

								Let	ter	spac:	ings	are	to	start	of	next	let	ter			Series/S: Text Leng
	С	U	M	M	I	N	G	S													D6
7.1	5.2	5.5	6.1	6.1	2.4	5.5	5.2	4	7.1												39.8
	R	0	A	D																	D6
16.6	5.2	5.4	6.1	4	16.7																20.7
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FILENAME: CUMMINGS\_TC\_tcpF\_SIGN DESIGN

NORTH CAROLINA D.O.T. SIGN DETAIL

# TEMPORARY DETOUR SIGN

NONE 2-7-08 VIEWED BY: M.S.A.



PROJ. REFERENCE NO. SHEET NO.

Plans prepared by:

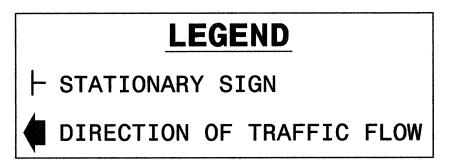
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Consulting Engineers
5121 KINGDOM WAY, SUITE 100
RALEIGH, N.C. 27607
For Division of Highways

TCP-13

14C.045116

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.
- \*\* TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

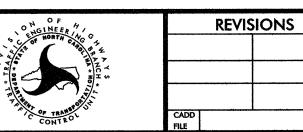


SHEET 1 OF 1

APPROVED: Mcall Ryeph DATE: 3-10-08

DETAIL	DRAWING	FOR	TWO - V	VAY
UNDIVIDE	D AND L	<b>JRBAN</b>	FREE	WAYS
ADVANCED V	WORK ZON	E WAR	NING	SIGNS

.E:	NONE	
<b>:</b> :	2-7-08	
6. BY:	B.L.M.	
GN BY:	G.E.P.	
WED BY:	M.S.A.	



Plans prepared by:

KO & ASSOCIATES, P.C.

----500′---<del>---</del> CONSTRUCTION LIMITS GENERAL NOTES

G20-2a 48"X24"