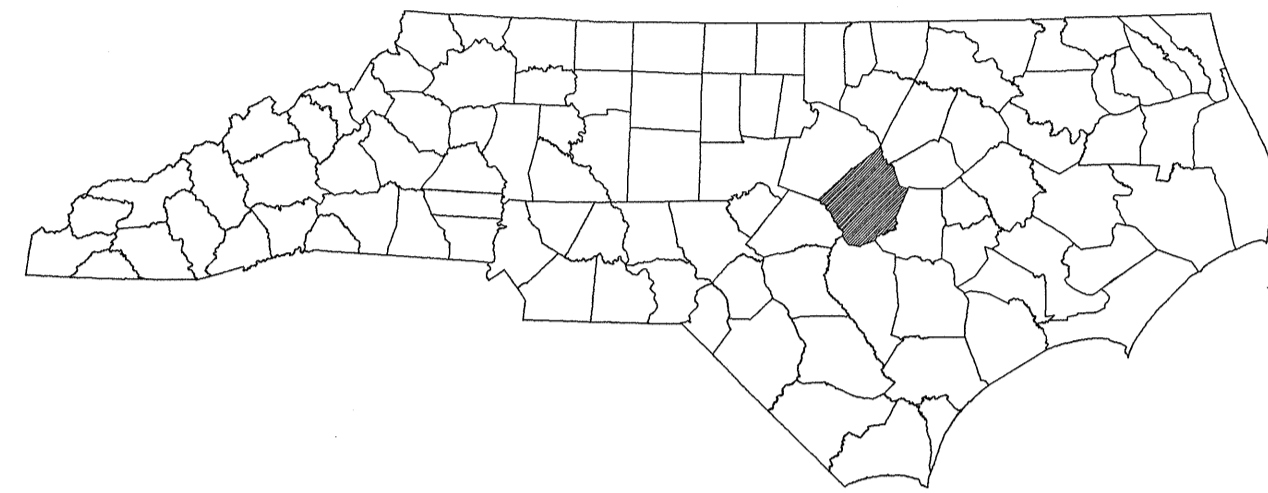


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

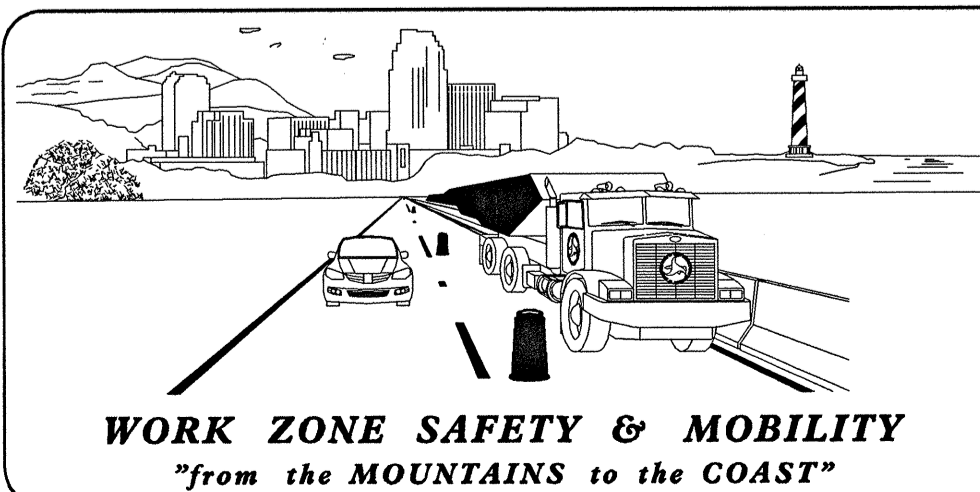
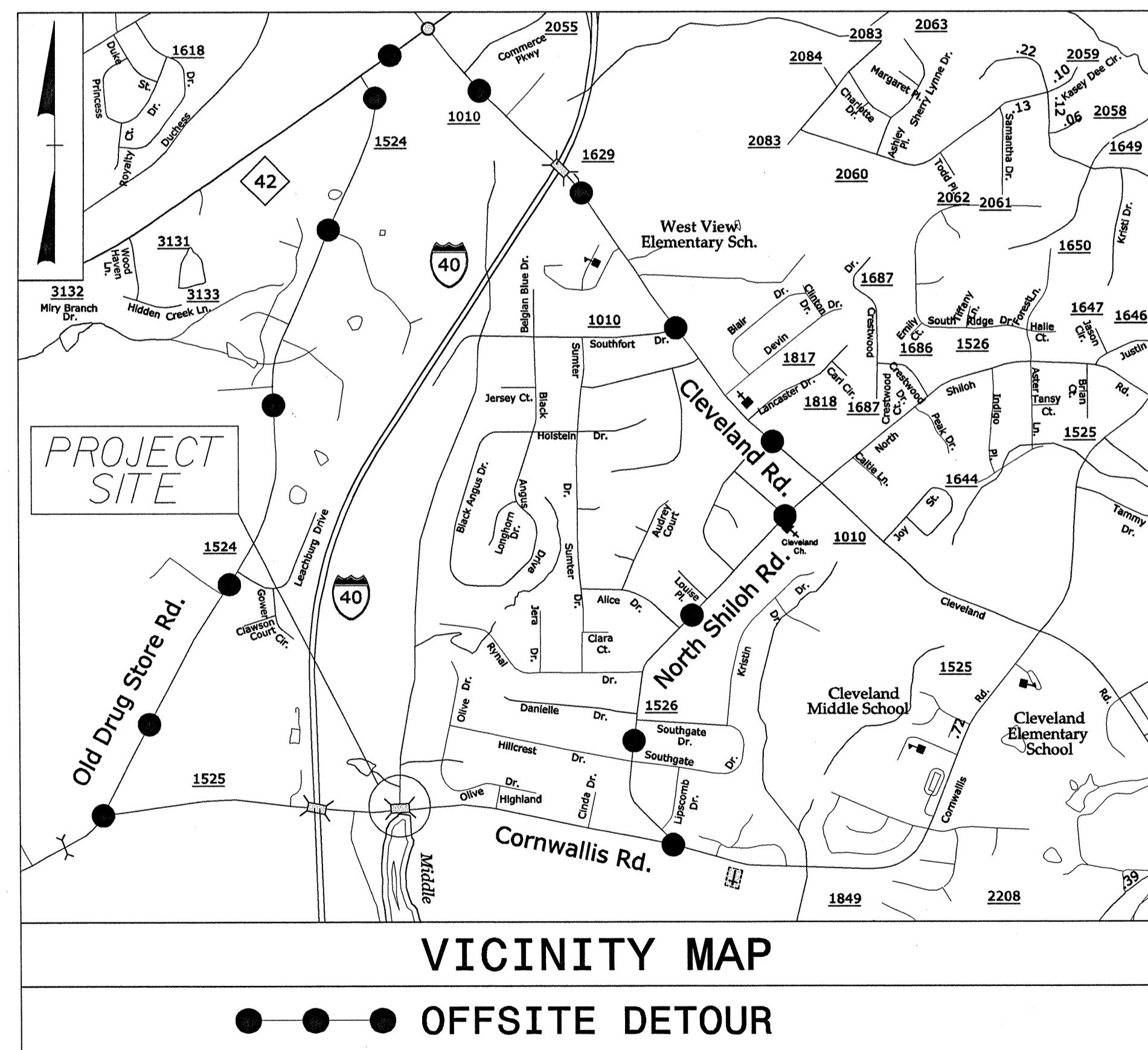
TRANSPORTATION MANAGEMENT PLAN

JOHNSTON COUNTY



LOCATION: BRIDGE NO. 326 OVER
MILL BRANCH CREEK
ON SR 1525

TYPE OF WORK: GRADING, PAVING,
DRAINAGE, AND
STRUCTURE



PLANS PREPARED BY:

W. Jason Hamilton, P.E., PTOE - Project Manager
Nicholas E. Burns, E.I. - Project Engineer

APPROVED: *[Signature]*
DATE: 11/28/12



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	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES AND LOCAL NOTES)
TMP-2	OFF-SITE DETOUR
TMP-3	ROAD CLOSURE
TMP-4	SPECIAL SIGN DESIGN



WORK ZONE TRAFFIC CONTROL UNIT

Contacts:
J. Stuart Bourne, P.E. - State Traffic Management Engineer
Steve Kite, P.E. - Eastern Region Work Zone Traffic Control Engineer
David Bissette, P.E. - Eastern Region Project Design Engineer

ROADWAY STANDARD DRAWINGS

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

STD. NO.	TITLE
1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1110.01	STATIONARY WORK ZONE SIGNS
1145.01	BARRICADES - TYPE III

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.

- WORK AREA
- REMOVAL
- USER DEFINED (IF NEEDED)
- USER DEFINED (IF NEEDED)

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

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

Prepared in the offices of:
RAMEY KEMP & ASSOCIATES, INC.
 Transportation Engineers
 6808 Farningham Place, Suite 100
 Raleigh, North Carolina 27607
 919-872-9116 Tel. 919-872-2416 Fax
 www.rameykemp.com

APPROVED: DATE: 11/28/12	ROADWAY STANDARD DRAWINGS & LEGEND		
	SCALE: NONE	Prepared For:	
	DATE: 11/12		
	DEVELOPED BY: NEB		REVISIONS
	REVIEWED BY: WJH		
RKA PROJ. #: 12095		<table border="1"> <tr> <td>CHD FILE</td> </tr> </table>	CHD FILE
CHD FILE			

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 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.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- B) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC MANAGEMENT PLANS.
- C) PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC MANAGEMENT PLANS.
- D) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
- E) COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- F) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

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

MANAGEMENT STRATEGIES

- CLOSE THE ROAD.
- DETOUR THROUGH TRAFFIC OFF SITE.
- MAINTAIN LOCAL TRAFFIC.

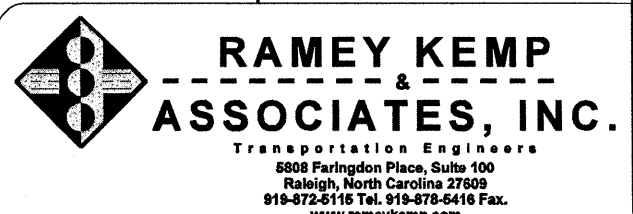
LOCAL NOTES

1. NOTIFY JOHNSTON COUNTY EMERGENCY SERVICES (919)-989-5050 AND JOHNSTON COUNTY PUBLIC SCHOOLS (919)-934-8340 AT LEAST ONE MONTH PRIOR TO ROAD CLOSURE.
2. ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
3. MAINTAIN LOCAL TRAFFIC WITHIN ROAD CLOSURE.
4. ENSURE B-4651 CONSTRUCTION PROJECT IS COMPLETE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION PROJECT B-4772.

PHASING

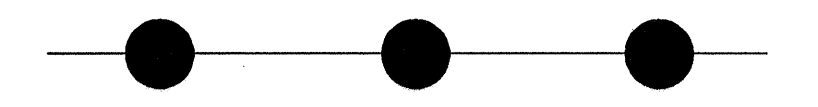
- STEP 1 INSTALL OFF SITE DETOUR SIGNING AS SHOWN ON TMP-2. INSTALL SIGNS AND BARRICADES CLOSING SR 1525 (CORNWALLIS RD) TO THROUGH TRAFFIC AS SHOWN ON TMP-2 AND TMP-3 AND IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9. (SEE LOCAL NOTES 1, 2, 3 AND 4)
- STEP 2 PERFORM THE FOLLOWING WITHIN THE ROAD CLOSURE: (SEE LOCAL NOTE NO. 3)
- REMOVE THE EXISTING STRUCTURE
 - CONSTRUCT THE PROPOSED STRUCTURE
 - CONSTRUCT THE PROPOSED ROADWAY SECTION -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE FROM STA 12+00 TO STA 17+00.
- STEP 3 PLACE THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS FROM STA 12+00 TO STA 17+00.
- STEP 4 REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES AND OPEN SR 1525 (CORNWALLIS RD) TO THROUGH TRAFFIC.

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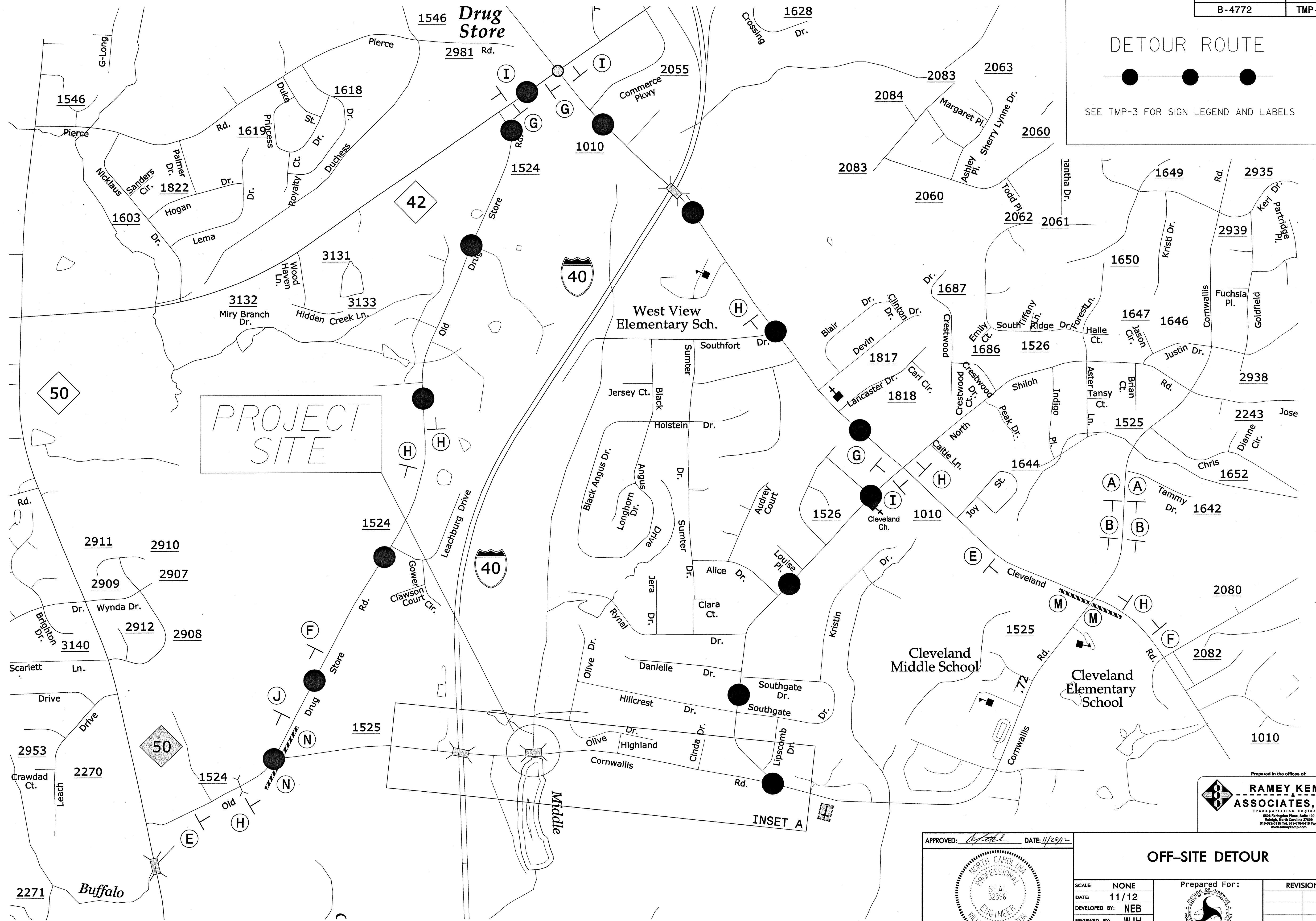


APPROVED: <i>[Signature]</i> DATE: 11/24/12	TRANSPORTATION OPERATIONS PLAN	REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>										
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SCALE: NONE</td> <td>Prepared For:</td> </tr> <tr> <td>DATE: 11/12</td> <td> </td> </tr> <tr> <td>DEVELOPED BY: NEB</td> <td> </td> </tr> <tr> <td>REVIEWED BY: WJH</td> <td> </td> </tr> <tr> <td>RCA PROJ. #: 12095</td> <td>CADD FILE</td> </tr> </table>	SCALE: NONE	Prepared For:	DATE: 11/12		DEVELOPED BY: NEB		REVIEWED BY: WJH		RCA PROJ. #: 12095	CADD FILE
SCALE: NONE	Prepared For:											
DATE: 11/12												
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RCA PROJ. #: 12095	CADD FILE											

DETOUR ROUTE



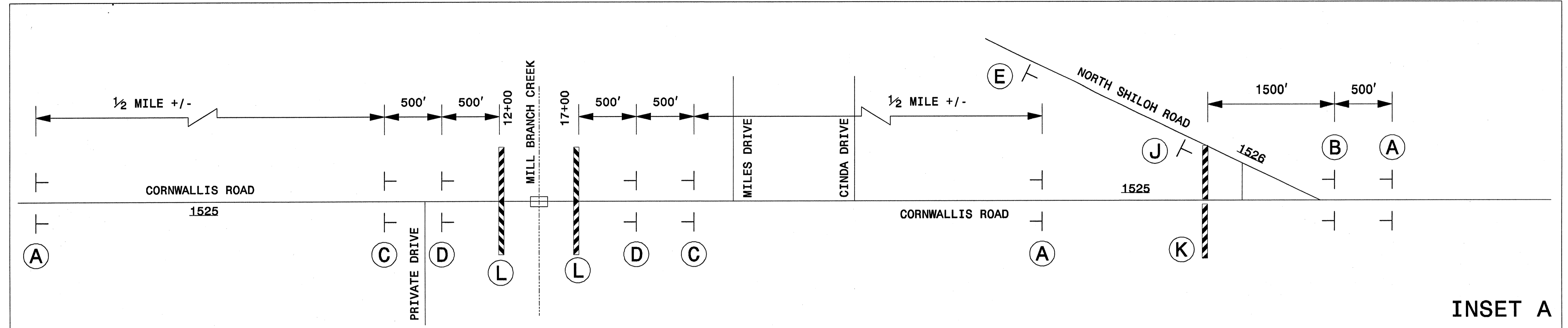
SEE TMP-3 FOR SIGN LEGEND AND LABELS



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 www.rameykemp.com

APPROVED: *[Signature]* DATE: 11/29/12

OFF-SITE DETOUR		REVISIONS
SCALE: NONE	Prepared For:	
DATE: 11/12		
DEVELOPED BY: NEB		
REVIEWED BY: WJH		
RKA PROJ. #: 12095		
CADD FILE		



INSET A

- | | | | | | | | |
|---|------------------------|---|--|--|---|---------------------------------------|---------------------------------------|
|
A
(8 EA) |
B
(4 EA) |
C
(4 EA) |
D
(4 EA) |
NEXT RIGHT SP-4R 42\"/>
E
(2 EA) |
NEXT LEFT SP-4L 42\"/>
F
(2 EA) |
M6-1 21\"/>
G
(3 EA) |
M6-3 21\"/>
H
(6 EA) |
|
M6-1 L 21\"/>
I
(3 EA) |
J
(2 EA) |
ROAD CLOSED TO THRU TRAFFIC M4-10R 48\"/>
TYPE III BARRICADE
K
(2 EA) |
ROAD CLOSED M4-10R 48\"/>
TYPE III BARRICADE(S)
L
(2 SETS) |
ROAD CLOSED 2 MILES AHEAD LOCAL TRAFFIC ONLY M4-10R 48\"/>
TYPE III BARRICADE
M
(2 EA) |
ROAD CLOSED TO THRU TRAFFIC M4-10L 48\"/>
TYPE III BARRICADE
N
(2 EA) | | |

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Raleigh, North Carolina 27610
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www.rameykemp.com

APPROVED: DATE: 12/18/12	ROAD CLOSURE	
SCALE: NONE	Prepared For:	REVISIONS
DATE: 11/12		
DEVELOPED BY: NEB		
REVIEWED BY: WJH		
RKA PROJ. #: 12095	CADD FILE	

SIGN NUMBER: SD-1 TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 4'-6" HEIGHT: 2'-0" TOTAL AREA: 9.0 Sq.Ft. BORDER TYPE: INSET RECESS: 0.75" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black	DESIGN BY: NE Burns PROJECT ID: B-4772	CHECKED BY: WJ Hamilton DIV: 4	DATE: Nov 27, 2012
	SYMBOL	X	Y	WID

CORNWALLIS ROAD

BORDER
R=3"
TH=0.75"
IN=0.75"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner



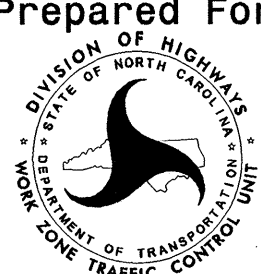
												Series/Size
												Text Length
C	O	R	N	W	A	L	L	I	S			C 2000
6.8	11.3	16	20.4	24.6	29.5	34.2	38.1	42	43.8			40.4
R	O	A	D									C 2000
18.7	23	27.2	31.9									16.6

FILENAME: B-4772-_TO_TMP_SD-1 NORTH CAROLINA D.O.T. SIGN DETAIL

Prepared in the offices of:



RAMEY KEMP ASSOCIATES, INC.
Transportation Engineers
6208 Farington Place, Suite 100
Raleigh, North Carolina 27609
919-872-2115 Tel. 919-878-5416 Fax.
www.rameykemp.com

APPROVED:  DATE: 11/28/12	SPECIAL SIGN DESIGN		
	SCALE: NONE	Prepared For:	REVISIONS
	DATE: 11/12		
	DEVELOPED BY: NEB		
	REVIEWED BY: WJH		
RKA PROJ. #: 12095			CADD FILE