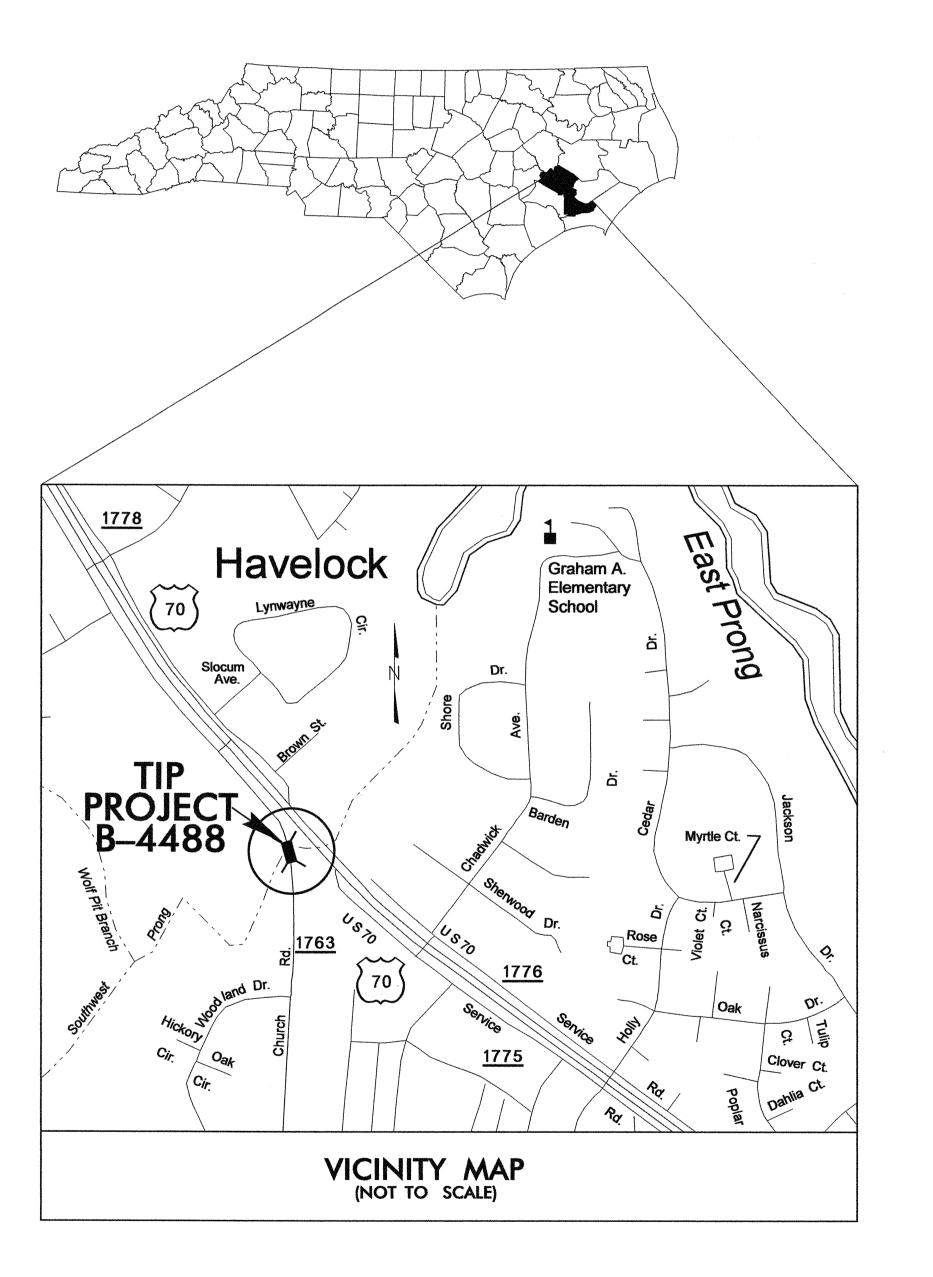
TRANSPORTATION MANAGEMENT PLAN

CRAVEN COUNTY



INDEX OF SHEETS

SHEET NO.

TITLE

TMP-1

TITLE SHEET WITH VICINITY MAP & INDEX OF SHEETS, LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS,

4488

80

AND LEGEND.

TMP-2

PROJECT NOTES, DETOUR AND PLANS.

TMP-2A

TEMPORARY SHORING NOTES.

LEGEND

GENERAL

DIRECTION OF TRAFFIC FLOW

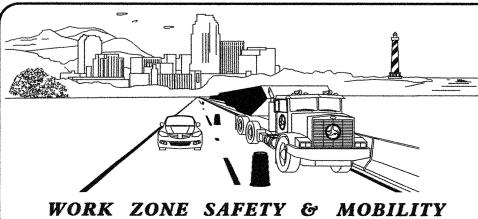
DIRECTION OF PEDESTRIAN TRAFFIC FLOW NORTH ARROW

PROPOSED PVMT.

----- EXIST. PVMT.

TRAFFIC CONTROL DEVICES

BARRICADE (TYPE III)



"from the MOUNTAINS to the COAST"

N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
P.O. BOX 1587, GREENVILLE, NC 27835
105 PACTOLUS HWY. (NC 33), GREENVILLE, NC 27835
PHONE: (252) 830-3490 FAX: (252) 830-3352

D. H. ALLIGOOD, PE TRAFFIC CONTROL PROJECT DESIGN ENGINEER

STEVEN HAMILTON, PE TRAFFIC ENGINEER

D. H. ALLIGOOD, PE TRAFFIC CONTROL PROJECT ENGINEER

LANG JONES

TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: Jwayne H. alleger DATE: 07 /18 / 2012

SEAL

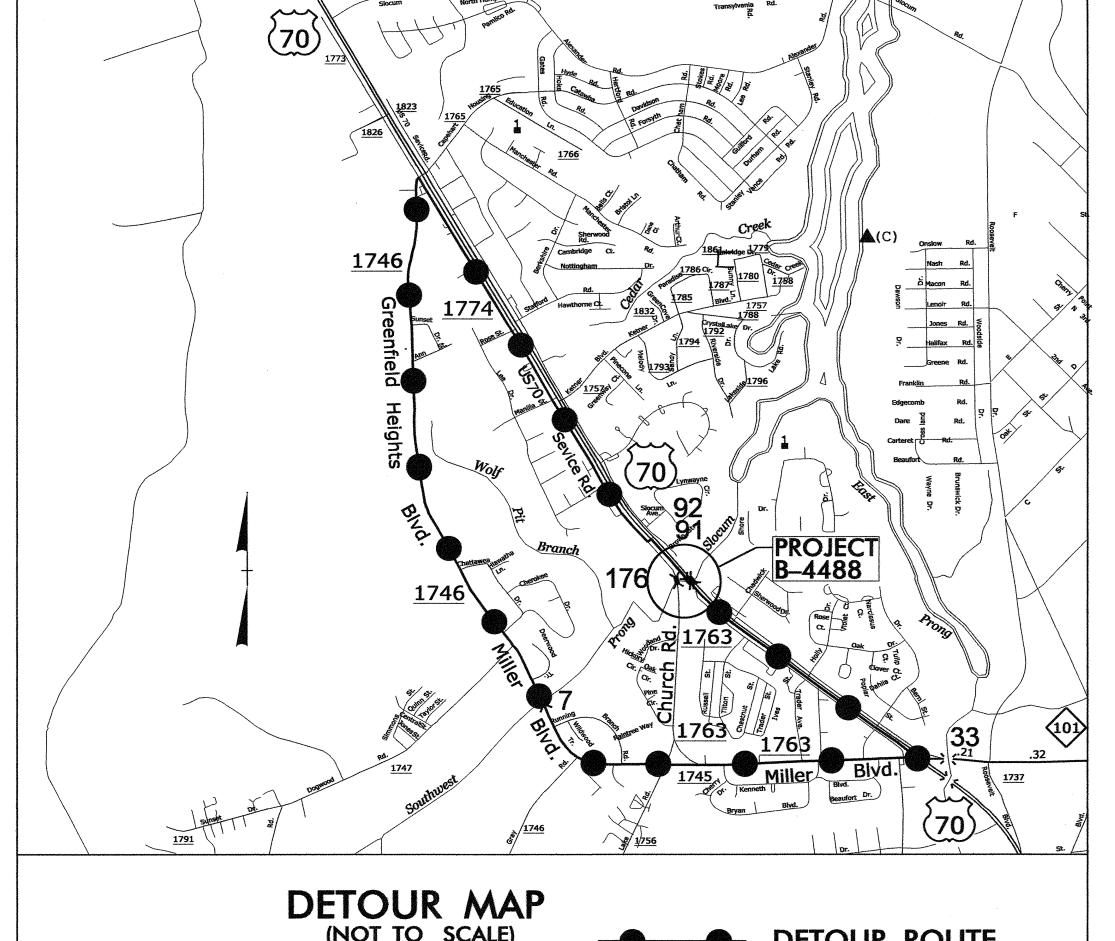


GENERAL NOTES

STATE FORCES SHALL BE RESPONSIBLE FOR INSTALLING THE SIGNING AND DEVICES BOTH ON AND OFF THE PROJECT LIMITS TO BOTH CLOSE THE ROAD AND DETOUR TRAFFIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE DETOUR AND THE TYPE III BARRICADES AT THE PROJECT LIMITS.

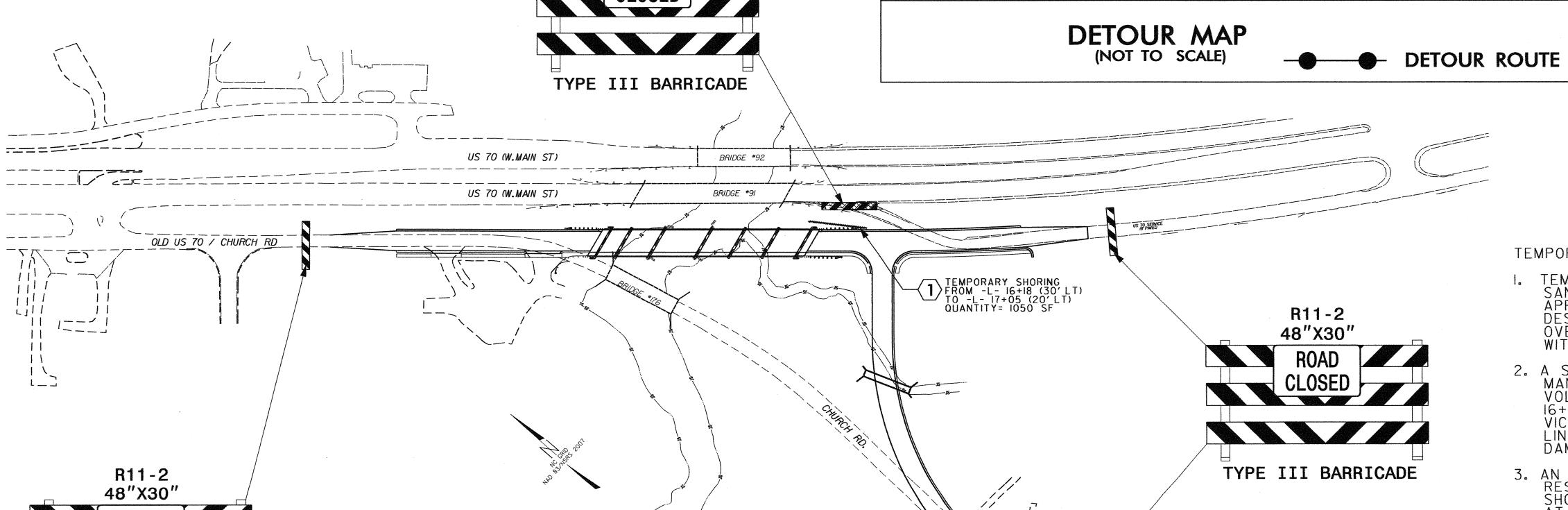
TYPE III BARRICADE

STATE FORCES WILL INSTALL PAINT AND MARKERS ON THE FINISHED PROJECT. CALL JIM EVANS AT 252-830-3493 FOR COORDINATION.



PROJ. REFERENCE NO. SHEET NO.

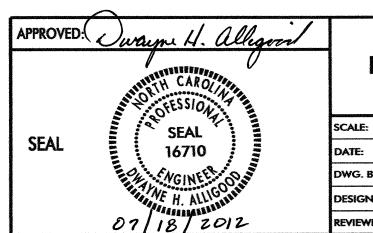
B-4488 TMP-2



R11-2

TEMPORARY SHORING NOTES:

- I. TEMPORARY SHORING WILL CROSS A SANITARY SEWER LINE AT APPROXIMATELY -L- STA. 16+80+/-... DESIGN TEMPORARY SHORING TO PASS OVER THE SANITARY SEWER LINE WITHOUT CONFLICTING WITH IT.
- 2. A SANITARY SEWER LINE AND
 MANHOLE EXIST WITHIN THE UNDERCUT
 VOLUME AT APPROXIMATELY -L- STA.
 16+80+/-. LIMIT UNDERCUT IN THE
 VICINITY OF THIS SANITARY SEWER
 LINE AND MANHOLE SO AS TO NOT
 DAMAGE THEM.
- 3. AN OVERHEAD POWER LINE MAY RESTRICT TYPICAL TEMPORARY SHORING DESIGN AND INSTALLATION AT APPROXIMATELY -L- STA. 16+18+/-TO 17+05+/-. DESIGN TEMPORARY SHORING THAT IS CONSTRUCTABLE GIVEN THIS RESTRICTION.



PROJECT NOTES, DETOUR AND PLANS

SCALE: NONE	REVISIONS
DATE: 4/26/12	
DWG. BY:	
DESIGN BY: LJ	
REVIEWED BY: DA	CADD FILE

PROJ. REFERENCE NO. SHEET NO.

B-4488 TMP-2A

TEMPORARY SHORING NOTES

TEMPORARY SHORING NO. 1

FOR TEMPORARY SHORING, SEE TEMPORARY SHORING PROVISION.

DO NOT USE STANDARD TEMPORARY SHORING FROM –L– STA. 16+18±, 30 FT± LEFT TO –L– STA. 17+05, 20 FT± LEFT.

DO NOT USE A TEMPORARY MSE WALL FROM –L– STA. 16+18±, 30 FT± LEFT TO –L– STA. 17+05, 20 FT± LEFT.

WHEN USING CONTRACTOR DESIGNED SHORING FROM –L– STA. 16+18±, 30 FT± LEFT TO –L– STA. 17+05, 20 FT± LEFT, DESIGN SHORING FOR THE FOLLOWING INSITU ASSUMED SOIL PARAMETERS:

WATER TABLE ELEVATION = 0.0 FT

FOR SOIL LAYER ABOVE ELEVATION -10.0 FT: UNIT WEIGHT OF SOIL ABOVE WATER TABLE, $\gamma=95$ PCF UNIT WEIGHT OF SOIL BELOW WATER TABLE, $\gamma'=35$ PCF FRICTION ANGLE, $\phi=0$ COHESION, c=150 PSF

FOR SOIL LAYER BELOW ELEVATION -10.0 FT: UNIT WEIGHT OF SOIL BELOW WATER TABLE, γ ' = 60 PCF FRICTION ANGLE, ϕ = 30 COHESION, c = 0 PSF

DRIVEN PILING FOR TEMPORARY SHORING FROM –L– STA. 16+18±, 30 FT± LEFT TO –L– STA. 17+05, 20 FT± LEFT MAY NOT PENETRATE BELOW ELEVATION -32.5 FT DUE TO THE PRESENCE OF AN OBSTRUCTION, VERY DENSE OR HARD SOIL, WEATHERED OR HARD ROCK.

FOR CONTRACTOR DESIGNED SHORING, SURVEY THE SHORING LOCATION TO DETERMINE EXISTING ELEVATIONS AND ACTUAL DESIGN HEIGHTS BEFORE BEGINNING DESIGN.

FOR PORTABLE CONCRETE BARRIERS ABOVE AND BEHIND TEMPORARY SHORING, USE AN NCDOT PORTABLE CONCRETE BARRIER (UNANCHORED OR ANCHORED) OR AN OREGON TALL F-SHAPE CONCRETE BARRIER IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS.

In addition, temporary shoring may be required for undercut at End Bent No. 2 right side and along the end slope stake line. Include an additional quantity of 1200 square feet of temporary shoring in the contract as contingency item. Also, include the following notes on the roadway plans:

FOR TEMPORARY SHORING, SEE TEMPORARY SHORING PROVISION.

DO NOT USE STANDARD TEMPORARY SHORING FOR UNDERCUT AT END BENT NO. 2 RIGHT SIDE AND ALONG THE END SLOPE STAKE LINE.

DO NOT USE A TEMPORARY MSE WALL FOR UNDERCUT AT END BENT NO. 2 RIGHT SIDE AND ALONG THE END SLOPE STAKE LINE.

WHEN USING CONTRACTOR DESIGNED SHORING FOR UNDERCUT AT END BENT NO. 2 RIGHT SIDE AND ALONG THE END SLOPE STAKE LINE, DESIGN SHORING FOR THE FOLLOWING IN-SITU ASSUMED SOIL PARAMETERS:

WATER TABLE ELEVATION = 0.0 FT

FOR SOIL LAYER ABOVE ELEVATION -10.0 FT: UNIT WEIGHT OF SOIL ABOVE WATER TABLE, γ = 85 PCF UNIT WEIGHT OF SOIL BELOW WATER TABLE, γ ' = 25 PCF FRICTION ANGLE, ϕ = 0 COHESION, c = 50 PSF

FOR SOIL LAYER BELOW ELEVATION -10.0 FT: UNIT WEIGHT OF SOIL BELOW WATER TABLE, $\gamma'=60$ PCF FRICTION ANGLE, $\phi=30$ COHESION, c=0 PSF

DRIVEN PILING FOR TEMPORARY SHORING FOR UNDERCUT AT END BENT NO. 2 RIGHT SIDE AND ALONG THE END SLOPE STAKE LINE MAY NOT PENETRATE BELOW ELEVATION -32.5 FT DUE TO THE PRESENCE OF AN OBSTRUCTION, VERY DENSE OR HARD SOIL, WEATHERED OR HARD ROCK.

FOR CONTRACTOR DESIGNED SHORING, SURVEY THE SHORING LOCATION TO DETERMINE EXISTING ELEVATIONS AND ACTUAL DESIGN HEIGHTS BEFORE BEGINNING DESIGN.

APPROVED:

TEMPORARY SHORING NOTES

SCALE: NONE
DATE:
DWG. BY:
DESIGN BY:
REVIEWED BY:
CADD FILE
CADD FILE