



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

March 17, 2004

U.S. Army Corps of Engineers  
Regulatory Field Office  
6508 Falls of the Neuse Road, Suite 120  
Raleigh, North Carolina 27615

ATTN: Mr. Eric Alysmeyer  
NCDOT Coordinator

Dear Mr. Alysmeyer;

Subject: **Request for Modification of Nationwide Permit 23 and 33**; Halifax  
County, Bridge No. 62 over Beech Swamp on US 301 – NC 481, TIP No.  
B-2980, State Project No. 8.1301701, Federal Aid No. BRSTP-301(8)

The North Carolina Department of Transportation (NCDOT) proposes to replace Bridge No. 62 in its existing location on US 301 – NC 481 over Beech Swamp. Please reference Action ID. 200021473 & 200321261 dated October 3, 2003 and DWQ No. 031208 dated October 1, 2003.

**IMPACTS TO WATERS OF THE UNITED STATES**

After staking project, it has been determined that the discharge of fill will exceed the permitted impacts to wetlands by 0.1 acre as shown on the revised permit drawings (sheets 4-7). However this additional fill will occur in a portion of the area indicated with the dashed line already permitted for mechanized clearing, therefore staying within the existing footprint. The Nationwide Permit 23 and 33 issued for the project authorized impacts to 0.84 acres (0.53 acres of fill, 0.31 acres of mechanized clearing) of jurisdictional wetlands. The revised impacts will be 0.63 acres of fill and 0.21 acres of mechanized clearing.

**TAR-PAMLICO RIVER BASIN RULES**

Impacts to Tar-Pamlico River Buffers will not change from those permitted by DWQ No. 031208 dated October 1, 2003. There are 5,101 sq. ft. of impacts to Buffer Zone One and 3,899 sq. ft. of impacts to Buffer Zone Two (Buffer Impacts Summary, Sheet 16 of 17). Buffer impacts are less than 150 liner feet and less than 0.33 acres, therefore, buffer mitigation is not required.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS  
1598 MAIL SERVICE CENTER  
RALEIGH NC 27699-1598

TELEPHONE: 919-733-3141  
FAX: 919-733-9794

WEBSITE: [WWW.NCDOT.ORG](http://WWW.NCDOT.ORG)

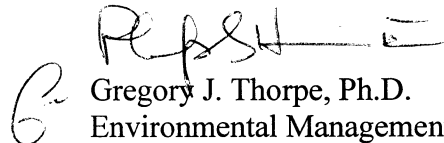
**LOCATION:**  
TRANSPORTATION BUILDING  
1 SOUTH WILMINGTON STREET  
RALEIGH NC

## MITIGATION OPTIONS

Proposed compensatory mitigation has not changed from that described in the original permit application for this project dated July 30, 2003. The removal of the old causeway will mean that approximately 0.1 acres of fill will be removed. It is anticipated that once the causeway is removed, the area will return to the natural hydrologic cycle for the surrounding wetlands. Compensatory mitigation for the remaining, unavoidable impacts to 0.74 acres of jurisdictional wetlands will be provided by the EEP program (see attached letter dated October 2, 2004).

If you have any questions or need additional information, please call Mr. Chris Rivenbark at 919-715-1460.

Sincerely,

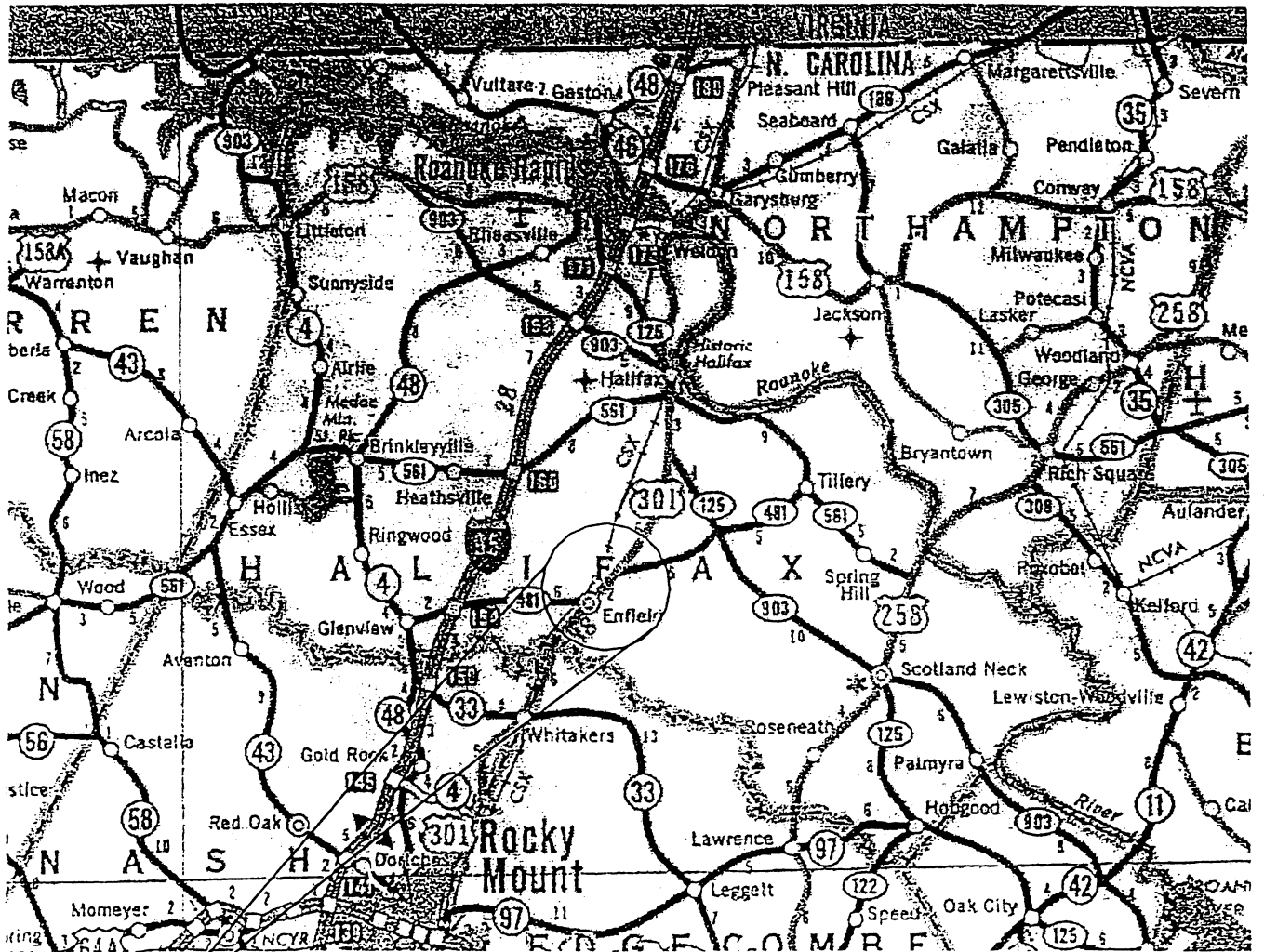
  
Gregory J. Thorpe, Ph.D.  
Environmental Management Director, PDEA Branch

GJT/cr

cc: Mr. John Dorney, NCDENR, Division of Water Quality (2 copies)  
Mr. Gary Jordan, USFWS, Raleigh  
Mr. Travis Wilson, NCWRC  
Mr. William D. Gilmore, P.E., EEP, Raleigh  
Mr. Omar Sultan, Programming and TIP  
Ms. Debbie Barbour, P.E., Highway Design Branch  
Mr. Greg Perfetti, P.E., Structure Design Unit  
Mr. Jay Bennett, P.E., Roadway Design Unit  
Mr. David Chang, P.E., Hydraulics Unit  
Mr. Mark Staley, Roadside Environmental  
Mr. D.R. Dupree, Division 4 Engineer  
Mr. Jamie Shern, Division Environmental Officer  
Mr. David Franklin, USACE, Wilmington (Cover Letter Only)

# VICINITY MAP

## B-2980



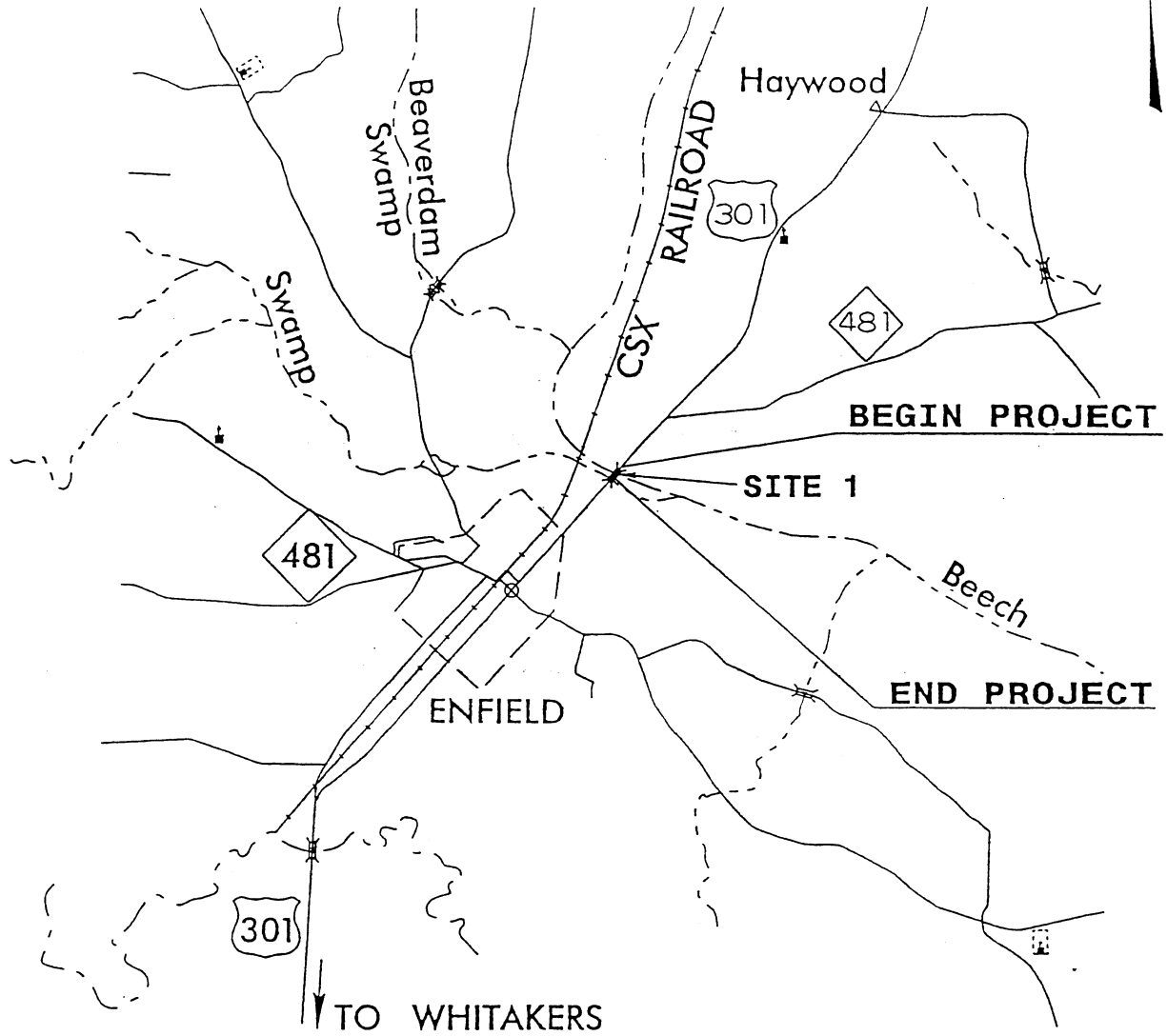
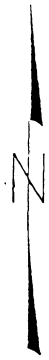
SITE

NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

HALIFAX COUNTY  
8.1301701(B-2980)

BRIDGE NO. 62  
ON US 301- NC 481  
OVER BEACH SWAMP

# SITE MAP



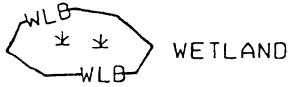
NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

HALIFAX COUNTY  
8.1301701(8-2980)

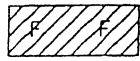
BRIDGE NO. 62  
ON US 301- NC 481  
OVER BEACH SWAMP

# PERMIT LEGEND

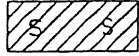
— WLB — WETLAND BOUNDARY



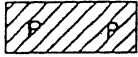
WETLAND



DENOTES FILL IN WETLAND



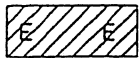
DENOTES FILL IN SURFACE WATER



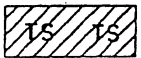
DENOTES FILL IN SURFACE WATER (POND)



DENOTES TEMPORARY FILL IN WETLAND



DENOTES EXCAVATION IN WETLAND



DENOTES TEMPORARY FILL IN SURFACE WATER



DENOTES MECHANIZED CLEARING

← ← FLOW DIRECTION

— TB — TOP OF BANK

— WE — EDGE OF WATER

— C — PROP. LIMIT OF CUT

— F — PROP. LIMIT OF FILL

▲ PROP. RIGHT OF WAY

— NG — NATURAL GROUND

— PL — PROPERTY LINE

— TDE — TEMP. DRAINAGE EASEMENT

— PDE — PERMANENT DRAINAGE EASEMENT

— EAB — EXIST. ENDANGERED ANIMAL BOUNDARY

— EPB — EXIST. ENDANGERED PLANT BOUNDARY

—▽— WATER SURFACE

X X X LIVE STAKES

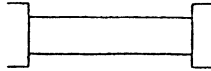


BOULDER

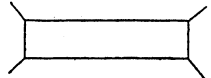
— — — COIR FIBER ROLLS



ADJACENT PROPERTY OWNER OR PARCEL NUMBER



PROPOSED BRIDGE



PROPOSED BOX CULVERT



PROPOSED PIPE CULVERT

(DASHED LINES DENOTE EXISTING STRUCTURES)



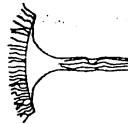
SINGLE TREE



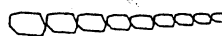
WOODS LINE



DRAINAGE INLET



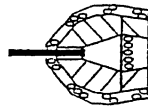
ROOTWAD



VANE



RIP RAP



RIP RAP ENERGY DISSIPATOR BASIN

— — — BUFFER ZONE

— — — BUFFER ZONE

NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

HALIFAX COUNTY  
8.1301701(B-2980)

BRIDGE NO. 62  
ON US 301- NC 481  
OVER BEACH SWAMP

TOWN

TOWN OF ENFIELD

SITE 1

1

BEGIN STATE PROJECT  
B-2980 - I-Sta. 16+33.56

BEECH SWAMP

BEECH SWAMP

# PLAN VIEW SITE

## WETLAND LEGEND

- WLB — WETLAND
-  DENOTES FILL IN WETLAND
-  DENOTES MECHANIZED CLEARING

DATE: 10-4-02

ATCHLINE STA 19+00

SITE 2

JOHN S. LOCKE, ET UX

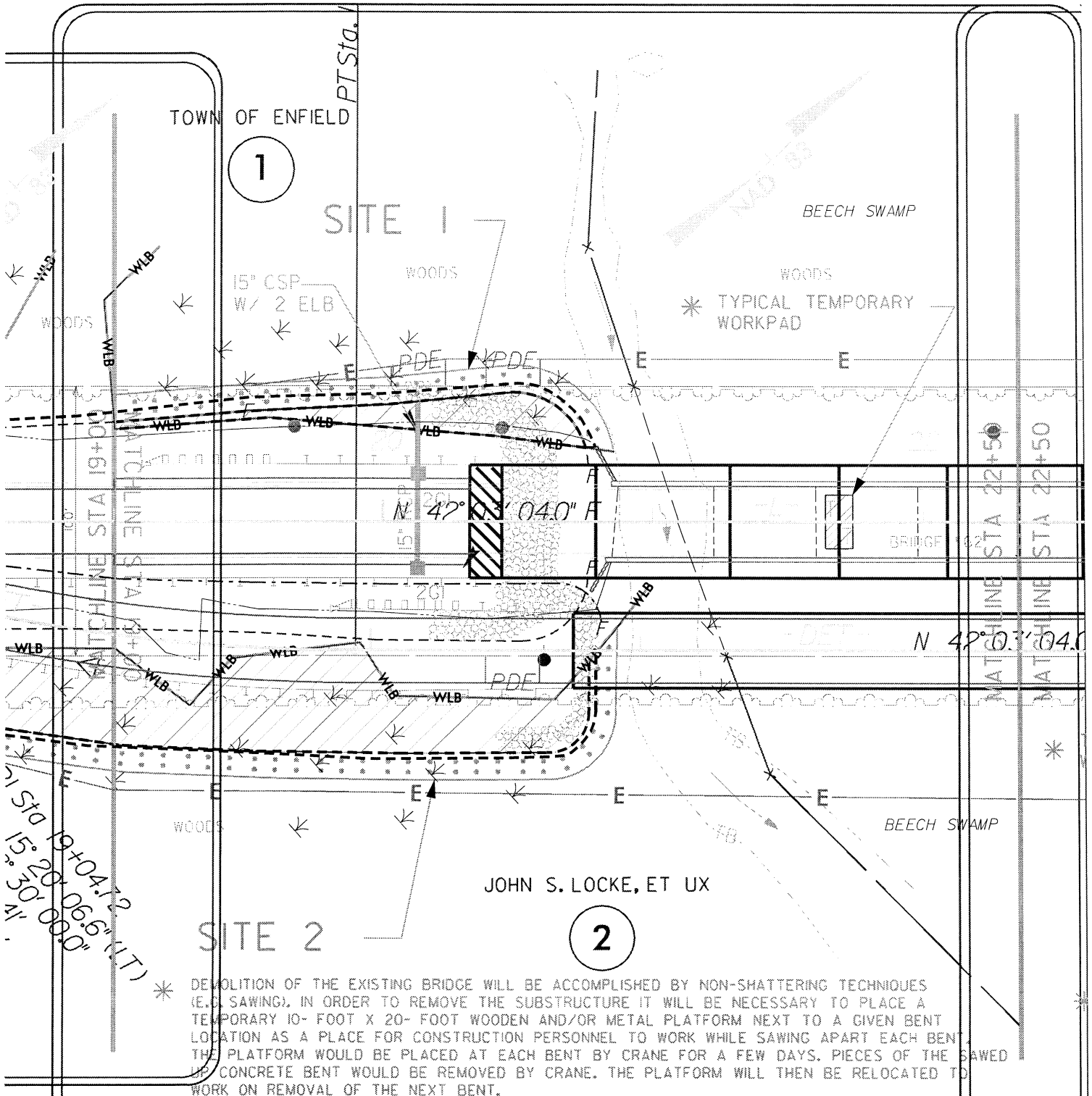
2

BEGIN CONSTRUCTION  
-I- Sta. 16+33.56  
-DET - Sta. 16+33.56

PI Sta 19+04.72  
 $\Delta = 15^{\circ} 20' 06.6''$  (LT)  
 $L = 180.41'$   
 $R = 90.75'$   
 $67.407'$

NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS  
 HALIFAX COUNTY  
 8.1301701 (B-2980)  
 BRIDGE NO. 62  
 ON US 301- NC 381  
 OVER BEECH SWAMP

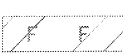
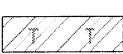





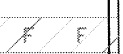

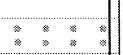
DEVOLITION OF THE EXISTING BRIDGE WILL BE ACCOMPLISHED BY NON-SHATTERING TECHNIQUES (E.G. SAWING). IN ORDER TO REMOVE THE SUBSTRUCTURE IT WILL BE NECESSARY TO PLACE A TEMPORARY 10- FOOT X 20- FOOT WOODEN AND/OR METAL PLATFORM NEXT TO A GIVEN BENT LOCATION AS A PLACE FOR CONSTRUCTION PERSONNEL TO WORK WHILE SAWING APART EACH BENT. THE PLATFORM WOULD BE PLACED AT EACH BENT BY CRANE FOR A FEW DAYS. PIECES OF THE SAWED UP CONCRETE BENT WOULD BE REMOVED BY CRANE. THE PLATFORM WILL THEN BE RELOCATED TO WORK ON REMOVAL OF THE NEXT BENT.

### PLAN VIEW SITE

#### WETLAND LEGEND

- WLB — WETLAND
-  DENOTES FILL IN WETLAND
-  DENOTES TEMPORARY FILL IN WETLANDS
-  DENOTES MECHANIZED CLEARING

#### WETLAND

- WLB —
- 
- 
- 

NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS  
 HALIFAX COUNTY  
 8.1301701 (8-2980)  
 BRIDGE NO. 82  
 ON US 301- NC 481  
 OVER BEECH SWAMP

25      0      50  
 SCALE: 1" = 50'  
 SHEET NO. 5 of 7

4

LORENZO LOCKE, ET UX

SITE 3

BEECH SWAMP

BEECH SWAMP

WOODS

PDE

E

E

E

E

EXISTING R/W

STA 22+50

STA 22+50

BRIDGE #63

WLB

WLB

WLB

WLB

2GI

2GI

15" RCP

N 42° 03' 04.0" E

EXISTING R/W

PDE

PDE

\* TYPICAL TEMPORARY WORKPAD

WLB

WLB

WLB

WLB

WLB

E

E

E

E

BEECH SWAMP

BEECH SWAMP

BEECH SWAMP

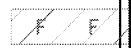
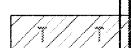

4

SITE 4

LORENZO LOCKE, ET UX

DEMOLITION OF THE EXISTING BRIDGE WILL BE ACCOMPLISHED BY NON-SHATTERING TECHNIQUES (E.G. SAWING). IN ORDER TO REMOVE THE SUBSTRUCTURE IT WILL BE NECESSARY TO PLACE A TEMPORARY 10- FOOT X 20- FOOT WOODEN AND/OR METAL PLATFORM NEXT TO A GIVEN BENT LOCATION AS A PLACE FOR CONSTRUCTION PERSONNEL TO WORK WHILE SAWING APART EACH BENT. THE PLATFORM WOULD BE PLACED AT EACH BENT BY CRANE FOR A FEW DAYS. PIECES OF THE SAWED UP CONCRETE BENT WOULD BE REMOVED BY CRANE. THE PLATFORM WILL THEN BE RELOCATED TO WORK ON REMOVAL OF THE NEXT BENT.

WETLAND LEGEND

- WLB — WETLAND
-  DENOTES FILL IN WETLAND
-  DENOTES TEMPORARY FILL IN WETLANDS
-  DENOTES MECHANIZED CLEARING

PLAN VIEW SITE

NORTH CAROLINA

DEPARTMENT OF HIGHWAYS

HALIFAX COUNTY

8.1301701 (8-2980)

BRIDGE NO. 82

ON US 501, NC 481

OVER BEECH SWAMP



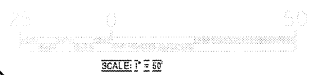
SCALE: 1" = 50'

DATE: 10-2-02

SHEET OF 6 7



NORTH CAROLINA  
 DEPARTMENT OF HIGHWAYS  
 HALIFAX COUNTY  
 8.1301701 (B-2980)  
 BRIDGE NO. 62  
 ON US 301-NC 481  
 OVER BEACH SWAMP



SHEET OF 7 7

PT Sta

PI Sta 27+55.55  
 $\Delta = 15^\circ 20' 06.6''$  (RT)  
 $D = 8' 30' 00.0''$   
 $L = 180.41'$   
 $T = 90.75'$   
 $R = 674.07'$

PI Sta 25+75.14  
 $\Delta = 15^\circ 20' 06.6''$  (LT)  
 $D = 8' 30' 00.0''$   
 $L = 180.41'$   
 $T = 90.75'$   
 $R = 674.07'$

MATCHLINE STA 25+75

3

CH SWAMP

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WLB

WLB

UX

QUES  
 CE A  
 N BENT  
 EACH BENT.  
 OF THE SAWED  
 CATED TO



North Carolina Department of Environment and Natural Resources  
Division of Ecosystem Enhancement

Michael F. Easley, Governor

William G. Ross Jr., Secretary

October 2, 2003

Mr. Gregory J. Thorpe, Ph.D., Manager,  
Project Development and Environmental Analysis Branch  
North Carolina Department of Transportation  
1548 Mail Service Center  
Raleigh, NC 27699-1548

Dear Dr. Thorpe:

Subject: Project: Bridge Replacement, Beech Swamp, US 301-NC 481  
TIP#: B-2980  
County: Halifax County

The purpose of this letter is to notify you that the Ecosystem Enhancement Program (EEP) will provide compensatory mitigation for the subject project. Based on the information supplied by you in the permit application dated July 30, 2003, the impacts requiring EEP mitigation are located in Cataloging Unit 03020102 of the Tar-Pamlico River Basin in the Northern Inner Coastal Plain Eco-Region, and are summarized below.

Wetlands, Riverine, Impacts: 0.74 acres

As stated in the permit application, the subject project is listed in Exhibit 2 of the Memorandum of Agreement among the North Carolina Department of Environment and Natural Resources, the North Carolina Department of Transportation, and the U. S. Army Corps of Engineers, Wilmington District dated July 22, 2003. The compensatory mitigation for the subject project will be provided in accordance with Section IX, EEP Transition Period, of this agreement.

If you have any questions or need additional information, please contact me at 919-715-2218.

Sincerely,

William D. Gilmore, P.E.  
Transition Manager

cc: Eric Alsmeyer, USACE-Raleigh  
John Dorney, Division of Water Quality, Wetlands/401 Unit  
File: B-2980