

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

October 10, 2003

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

ATTENTION: Mr. Eric Alsmeyer
NCDOT Coordinator

SUBJECT: **Permit Modification Request to NWP 23 and Buffer Certification** for the new connector from US 301 in Nash County to SR 1407 in Edgecombe County. NCDOT Division 4. Federal Aid Project No. STP-0402(1), State Project No. 8.2321401, TIP No. U-3329.

Dear Sir:

On April 7, 2003 a NWP 23 and 33 [AID# 200020228 & 200320506] was issued for the subject project. An approval of the Tar-Pamlico Buffer Rules Authorization Certificate (DWQ No. 030260) was issued on April 1, 2003. Permitted activities included discharge of fill material and impacts to protected riparian buffers associated with NCDOT's proposed construction a new two-lane facility on multi-lane right of way from US 301 in Nash County to SR 1407 (East Main Street) in Edgecombe County. The proposed project is approximately 1.5 mile in length. The proposed improvements include constructing a 2-lane, shoulder facility on new location. A new 950 ft bridge will be constructed to span the CSX Railroad, a tributary to Beech Branch [DWQ Index #28-75-(2)], and a majority of the associated wetlands and riparian buffers.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
1548 MAIL SERVICE CENTER
RALEIGH NC 27699-1548

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

WEBSITE: WWW.NCDOT.ORG

LOCATION:
TRANSPORTATION BUILDING
1 SOUTH WILMINGTON STREET
RALEIGH NC

In the original application dated, February 26, 2003, impacts associated with rip rap armoring at Site 1 and bridge bent footing impacts at Sites 1,2, & 3 were not addressed. The additional impacts to wetlands, surface waters, and Tar-Pamlico River riparian buffers are described below and are depicted in the attached revised permit drawings. Project plan sheets and the CE document were distributed along with the original application.

New Impacts to Waters of the United States

Surface water impacts associated with this project total 0.0021 acre of new fill in the Beech Branch tributary due to the placement of the proposed bridge bent footing. Additional wetland impacts associated with this project total 0.0111 acre of permanent fill. See attached drawings for details.

Wetland Mitigation

Despite the minimization strategies employed for the proposed project, the resulting wetland impacts will be greater than 0.10 acre. Consequently, the project will require compensatory mitigation. The impacts for the entire project have been mitigated through payment to the North Carolina Wetlands Restoration Program (NCWRP). In a letter dated September 15, 2003, NCWRP acknowledges receipt of NCDOT's payment of \$18,0000 for rounding up to 0.75 acre and agrees to restore 0.74 acre of riparian wetlands in Cataloging Unit 03020101 of the Tar-Pamlico River basin (see attached). There is no additional payment proposed to mitigate for the 0.0111 acre of additional permanent wetland impacts, since this amount was covered under the rounding up factor.

New Impacts to Tar-Pamlico River Basin Buffers

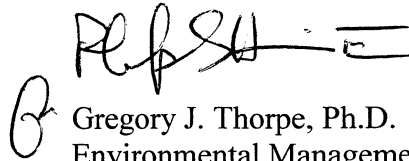
An additional 305 sq ft (0.007 acre) of Zone 1 impacts is now proposed associated with the placement of bridge bent footings and armored protection along the tributary to Beech Branch within the the Tar-Pamlico River Basin (subbasin 03-03-02, HUC 03020101). See attached drawings for details. Protected riparian buffer impacts for the entire project now totals 6,403 sq ft (0.147 acre) for Zone 1 and 3,920 sq ft (0.09 acre) for Zone 2. According to the buffer rules, road crossings that impact greater than 40 linear feet but equal to or less than 150 linear feet or one-third of an acre of riparian buffer are ALLOWABLE. Uses designated as allowable may proceed within the riparian buffer provided that there are no practical alternatives to the requested use pursuant to Item (8) of this Rule. These uses require written authorization from the Division or the delegated local authority.

Regulatory Approvals

NCDOT requests that this additional activity be approved via a modification of the existing Section 404 NWP 23 [AID# 200020228]. By copy of this application, the NCDOT requests that the NC Division of Water Quality review the proposal for modification to the approval of the Tar-Pamlico Buffer Rules Authorization Certificate (DWQ No. 030260).

Thank you for your assistance with this project. If you have any questions or need additional information please call Ms. Heather Montague at (919) 715-1456.

Sincerely,



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

GJT/hwm
w/attachment

Mr. John Dorney, Division of Water Quality
Mr. Travis Wilson, NCWRC
Mr. Gary Jordan, USFWS
Mr. Greg Perfetti, P.E., Structure Design

w/o attachment

Mr. David Franklin, USACE, Wilmington
Mr. Jay Bennett, P.E., Roadway Design
Mr. Omar Sultan, Programming and TIP
Ms. Debbie Barbour, P.E., Highway Design
Mr. David Chang, P.E., Hydraulics
Mr. Mark Staley, Roadside Environmental
Mr. J. H. Trogdon, P.E., Division Engineer
Mr. Jamie Shern, DEO
Mr. Eric Midkiff, P.E., PDEA Project Planning Engineer

Michael F. Easley, Governor
William G. Ross Jr., Secretary



RECEIPT

September 15, 2003

Beth Harmon
Project Development and Environmental Analysis
NC Department of Transportation
1548 Mail Service Center
Raleigh, NC 27699-1548

Re: Project: Connector between US301 & SR1407
DWQ#: 03-0260
DOT TIP#: U-3329
COE#: 200020228 & 200320506
County: Nash & Edgecombe

The North Carolina Wetlands Restoration Program (NCWRP) has received a check in the amount of \$18,000.00 check number 1488129, as payment for the compensatory mitigation requirements of the 401 Water Quality Certification/Section 404 permit issued for the subject project. This receipt serves as notification that the compensatory mitigation requirements for this project have been satisfied. Please note that you must also comply with all other conditions of this certification and any other state, federal or local government permits or authorization associated with this activity.

The NCWRP, by acceptance of this payment, acknowledges that the NCWRP is responsible for the compensatory mitigation requirements associated with the subject permit and agrees to provide the compensatory mitigation as specified in the permit. The NCWRP will restore 0.74 acres of riparian wetlands in Cataloging Unit 03020101 of the Tar-Pamlico River basin.

If you have any questions or need additional information, please contact Carol Shaw at (919) 733-5208.

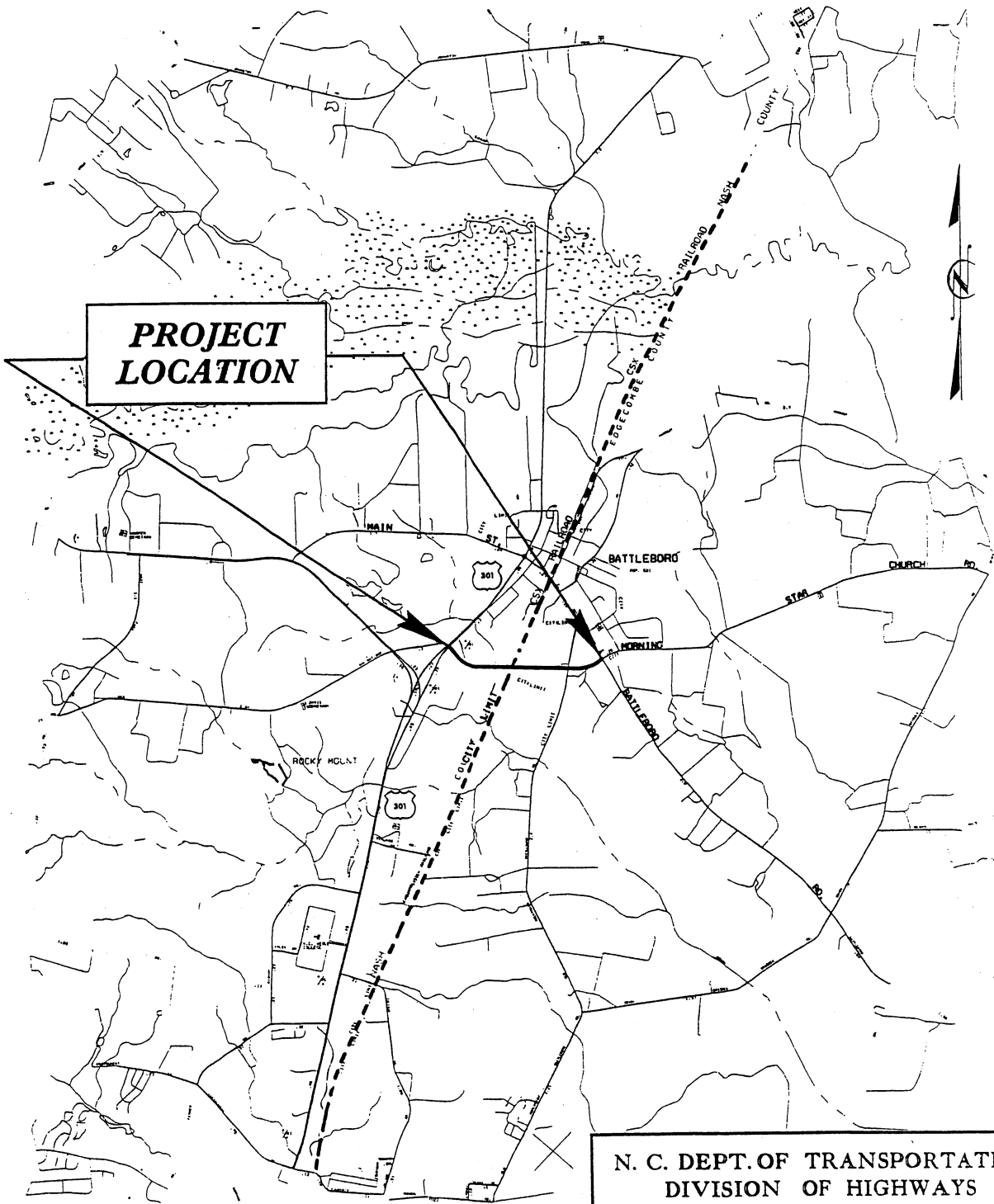
Sincerely,

A handwritten signature in black ink that reads 'Ronald E. Ferrell'.

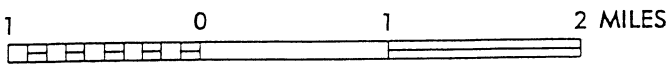
Ronald E. Ferrell,
Program Manager

cc: Cyndi Karoly, Wetlands/401 Unit
Eric Alsmeyer, USACOE-Raleigh
Steve Mitchell, Raleigh DENR Regional Office
File

VICINITY MAP



SCALE



N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS

NASH-EDGECOMBE COUNTIES


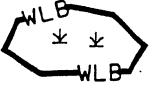


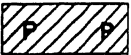


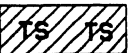

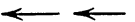












PROJECT: 8.2321401 - U-3329





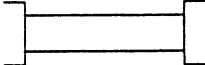
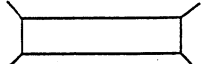

NEW CONNECTOR FROM
US 301 IN NASH COUNTY TO
SR 1407 IN EDGECOMBE COUNTY

SHEET 1 OF 9




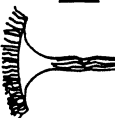


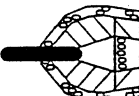
MAY 2001

LEGEND

-  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
-  TOP OF BANK
-  EDGE OF WATER
-  PROP. LIMIT OF CUT
-  PROP. LIMIT OF FILL
-  PROP. RIGHT OF WAY
-  NATURAL GROUND
-  PROPERTY LINE
-  TEMP. DRAINAGE EASEMENT
-  PERMANENT DRAINAGE EASEMENT
-  EXIST. ENDANGERED ANIMAL BOUNDARY
-  EXIST. ENDANGERED PLANT BOUNDARY
-  WATER SURFACE

-  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)

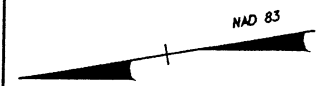
-  SINGLE TREE
-  WOODS LINE
-  DRAINAGE INLET
-  ROOTWAD
-  VANE
-  RIP RAP
-  RIP RAP ENERGY DISSIPATOR BASIN

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DIVISION OF HIGHWAYS

NASH-EDGEcombe COUNTIES

PROJECT: 8.2321401 U-3329

NEW CONNECTOR FROM
US 301 IN NASH COUNTY TO
SR 1407 IN EDGEcombe COUNTY



TOWN OF BATTLEBORO
TAR-PAMLICO
BUFFER

PROPOSED BENT
29

TEMP. CONSTRUCTION
ROAD

*** NOTE: NO DECK DRAINS
OVER WETLANDS

N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
NASH-EDGEcombe COUNTIES
PROJECT 8.2321401 - U-3329
NEW CONNECTOR FROM
US 301 IN NASH COUNTY TO
SR 1407 IN EDGEcombe COUNTY
REV. AUGUST, 2003
SHEET 4 OF 9
JANUARY, 2003

ABBOTT LABORATORIES

CLASS II
RIP RAP
ZONE 1
ZONE 2

ZONE 1
ZONE 2

PROPOSED BENT
WITH FOOTINGS

15" RCP 261

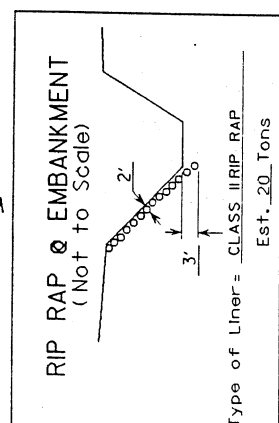
25

TEMP.
2 - 30" CSP

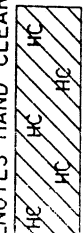
TEMP.
18" CSP

BEECH BRANCH
TRIBUTARY

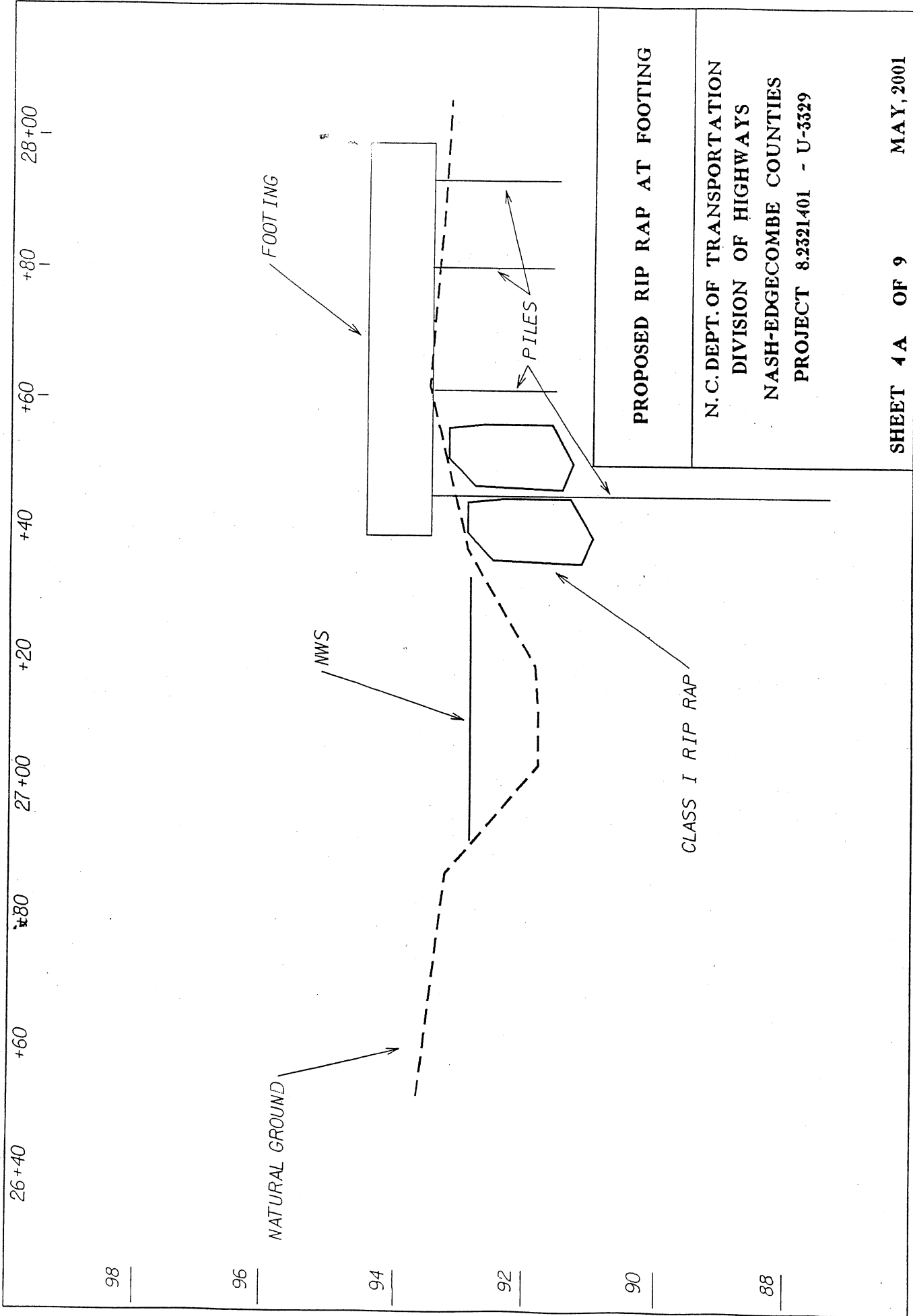
PLAN VIEW
SITE 1

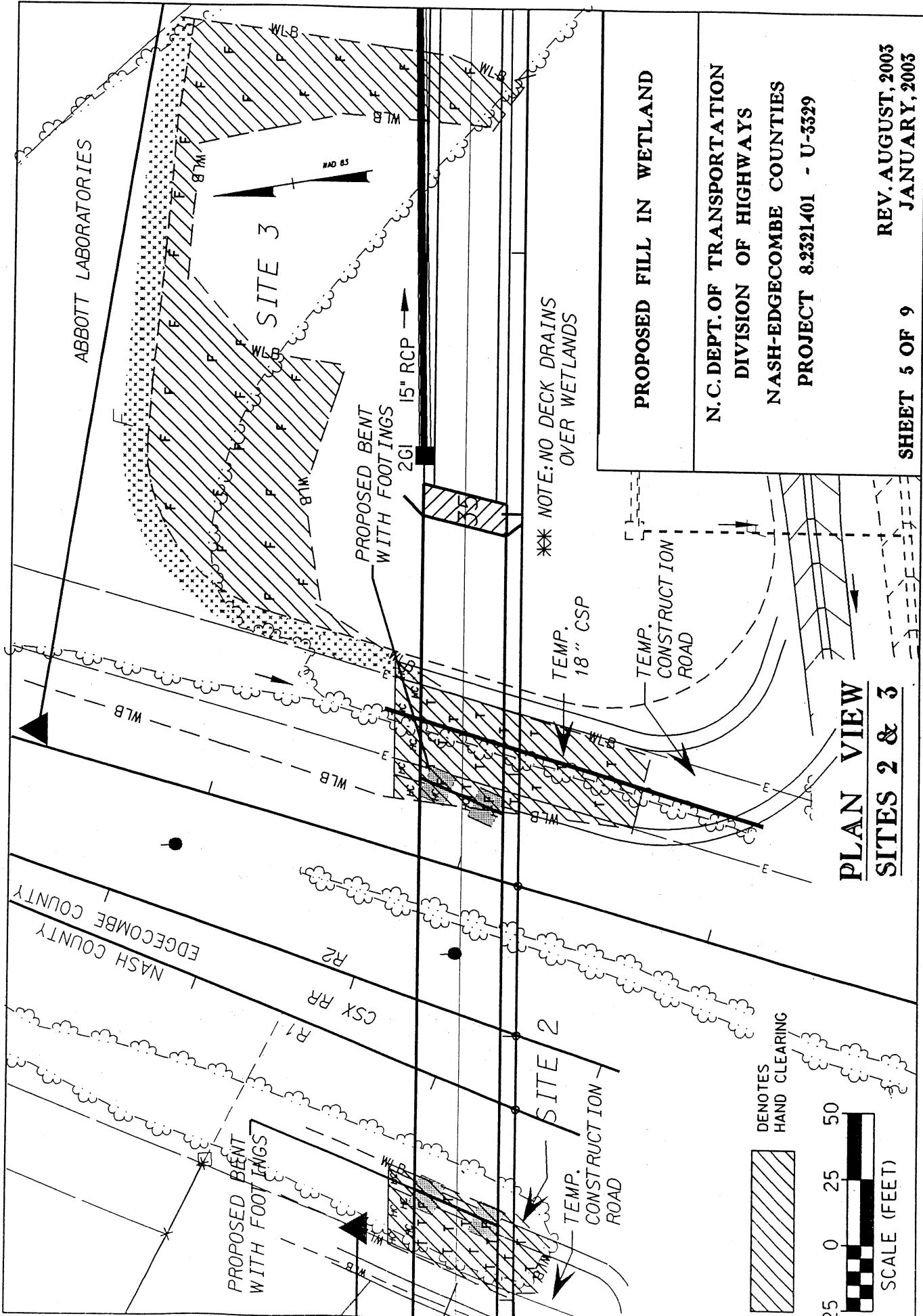


DENOTES HAND CLEARING



SCALE (FEET)





PROPOSED FILL IN WETLAND

**N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
NASH-EDGEcombe COUNTIES
PROJECT 8.2321401 - U-3329**

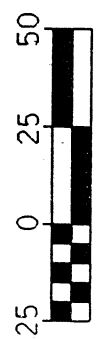
**REV. AUGUST, 2003
JANUARY, 2003**

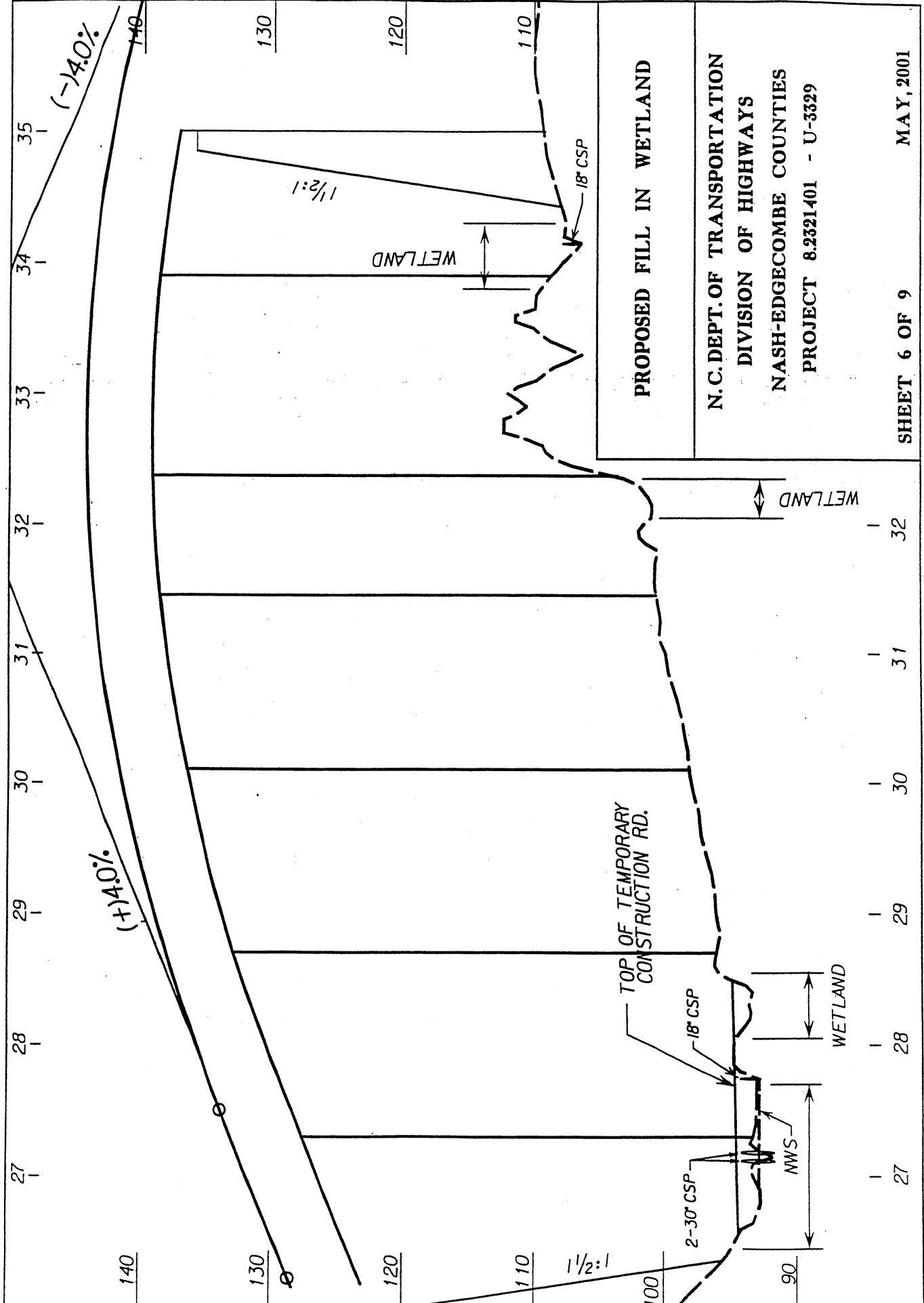
SHEET 5 OF 9

**** NOTE: NO DECK DRAINS
OVER WETLANDS**

**PLAN VIEW
SITES 2 & 3**

DENOTES
HAND CLEARING

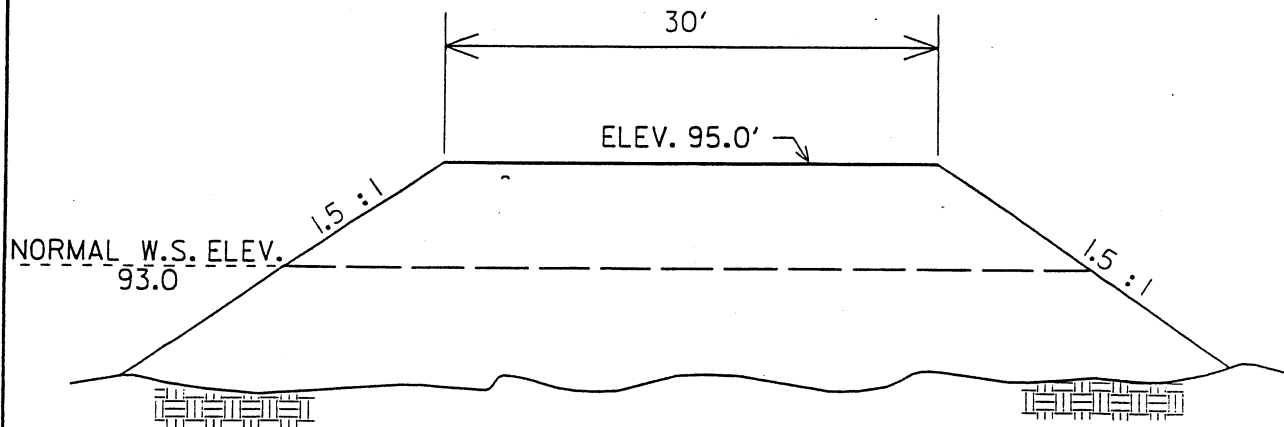




PROPOSED FILL IN WETLAND

N. C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 NASH-EDGECOMBE COUNTIES
 PROJECT 8.2321401 - U-3329

SHEET 6 OF 9 MAY, 2001



TYPICAL CROSS-SECTION
TEMPORARY CONSTRUCTION ROAD

(NOT TO SCALE)

N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT: 8.2321401 - U-3329

BRIDGE OVER
BEECH BRANCH TRIBUTARY
NASH-EDGEcombe COUNTIES

SHEET 7 OF 9

MAY, 2001

IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size	WETLAND IMPACTS					SURFACE WATER IMPACTS					BUFFER IMPACT*		
			Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation In Wetlands (ac)	Interchange Isolated Wetland (ac)	Mechanized Clearing (Method III) (ac)	Fill In SW (Natural) (ac)	Fill In SW (Pond) (ac)	Temp Fill In SW (ft)	Existing Channel Impacted (ft)	Relocated Channel (ft)	Enclosed Channel (ft)	Zone 1 (ac)	Zone 2 (ac)
1	26+40+/- to 28+50+/-		0.0072	0.2			0.002	0.0021	55					0.147	0.09
2	32+05+/- to 32+35+/-		0.0055	0.03											
3	34+50+/- to 36+90+/- LT		0.2724	0.07			0.092								
TOTALS			0.2851	0.3	0	0	0.094	0.0021	55	0	0	0	0	0.147	0.09

* Site 1 - Hand Clearing within Buffer Zone 1 = 0.06 acres
 Site 1 - Hand Clearing within Buffer Zone 2 = 0.03 acres
 Site 1 - Temp. Construction Rd. (Zone 1) = 0.08 acres
 Site 1 - Temp. Construction Rd. (Zone 2) = 0.06 acres
 Site 1 - Footings and armored protection = 0.007 ac.

N.C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 NASH-EDGEcombe COUNTY
 PROJECT: 8-2321401 U-3329

PROPERTY OWNER

SITE #	OWNER'S NAME	ADDRESS
SITE 1	a. ABBOTTS LABORATORIES	P.O. BOX 2226 ROCKY MOUNT, NC 27802
	b. TOWN OF BATTLEBORO	P.O. BOX 445 BATTLEBORO, NC 27809
SITE 2	CST RAILROAD	100 OAKLAND AVE. FLORENCE, SC 29506
SITE 3	a. ABBOTTS LABORATORIES	P.O. BOX 2226 ROCKY MOUNT, NC 27802

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DIVISION OF HIGHWAYS

NASH-EDGECOMBE COUNTIES

PROJECT: 8.2321401 U-3329

NEW CONNECTOR FROM
US 301 IN NASH COUNTY TO
SR 1407 IN EDGECOMBE COUNTY