



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

March 10, 2005

MEMORANDUM TO: Mr. H. Allen Pope, P.E.
Division 3 Engineer

FROM: Philip S. Harris, III, P.E., Manager *PHS*
Office of the Natural Environment
Project Development and
Environmental Analysis Branch

SUBJECT: New Hanover County, Smith Creek Pkwy US 117 Castle Hayne
Road to .5 mi. East of 23rd Street; Work Order Number
8.2250101; TIP Number U-92B

Attached is the modification of U. S. Army Corps of Engineers Permit Action No. 199603836 for the construction of the above referenced project.

PSH/gyb

Attachment

cc: Mr. Art McMillan, P.E.
Mr. Omar Sultan
Mr. Jay Bennett, P.E.
Mr. David Chang, P.E.
Mr. Randy Garris, P.E.
Mr. Greg Perfetti, P.E.
Mr. Njoroge Wainaina
Mr. Mark Staley
Mr. Mr. John F. Sullivan, III, FHWA
Mr. Mason Herndon, Division 3 Environmental Officer

PROJECT COMMITMENTS

New Hanover County
Wilmington - Smith Creek Pkwy
US 117 Castle Hayne Road to 0.5 mi. East of 23rd Street
Federal Project MANHS-0332(8)
State Project 8.2250101
TIP No. U-92B

Division 3 Construction, Roadside Environmental Unit, Structure Design Unit, Project Development & Environmental Analysis (PDEA), Roadway Design Unit, Hydraulics Unit

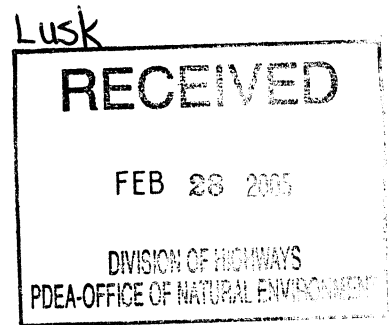
All conditions stated in the original 404, 401 and CAMA permits, and modifications to those permits, remain in full force and effect. There are no additional comments associated with this modification to USACE Permit Action ID No. 199603836, DWQ Project No. 011117, WQC No. 3304.



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
WILMINGTON DISTRICT, CORPS OF ENGINEERS
P.O. BOX 1890
WILMINGTON, NORTH CAROLINA 28402-1890

February 23, 2005



Regulatory Division

Action ID No. 199603836 and TIP Project U-92AB, Smith Creek Parkway, New Hanover County, North Carolina.

Dr. Gregory J. Thorpe, Ph.D.
Environmental Management Director, PDEA
N.C. Department of Transportation
1548 Mail Service Center
Raleigh, NC 27699-1548

Dear Dr. Thorpe:

Please reference the Department of the Army permit issued on December 12, 2000 for the subject project and your letters dated October 11, 2004 and December 10, 2004 (received February 1, 2005) requesting a permit modification at Wetland Site 3 of Section U-92B to authorize additional rip rap at the southeast corner of the 23rd street bridge, at STA Y3 20+23-22.00m LT.

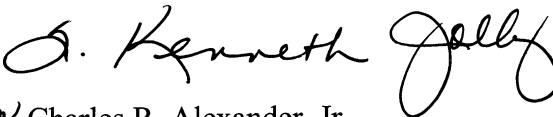
The original authorization allowed for a riprap apron that extended to the Mean High Water (MHW). Following construction, it was found that due to the steep grade at the outlet and heavy flow during rain events this riprap apron is inadequate for preventing slope erosion and associated elevated turbidity levels in Smith Creek. Therefore, you have requested a permit modification to construct a riprap flume below MHW that will extend 13 feet beyond the wetland boundary. The proposed modification will result in 0.003 acres (120 square feet) of permanent impacts to riverine wetlands of Smith Creek. To offset these wetland impacts you have proposed to provide 0.003 acres of on-site Coastal Small Stream Swamp restoration from a site located between the existing Bridge Maintenance Mitigation Site and Smith Creek Mitigation Site at STA 30+21-34+03m RT. This site was not included in the mitigation plans for this project but was restored to the same specifications as the Bridge Maintenance and Smith Creek mitigation sites during construction to connect these sites. The total area of restored riverine wetlands at this site is 0.17 acres.

Your DA permit is hereby modified to allow the additional riprap as shown in the revised permit drawing for Wetland Site 3 of U-92B dated 9-15-04 attached to your letter dated October 11, 2004 (copy attached) and the compensatory mitigation proposal attached to your letter dated December 10, 2004 (copy attached).

All other conditions of your Department of the Army permit shall remain in full force and effect. The expiration date of this permit shall remain at December 31, 2005.

Should you have any questions, please contact Mr. Dave Timpy, Wilmington Field Office, Regulatory Division, at telephone (910) 251-4634.

Sincerely,


for Charles R. Alexander, Jr.
Colonel, U.S. Army
District Engineer

Enclosure

Copies Furnished (without enclosure):

Mr. Allen Pope, PE
Division Engineer
North Carolina Department of Transportation
Division 3
124 Division Drive
Wilmington, North Carolina 28401

Mr. Travis Wilson
Highway Coordinator
North Carolina Wildlife Resources Commission
1142 I-85 Service Road
Creedmoor, North Carolina 27522

Mr. John Dorney
NCDENR-DWQ
Wetlands Section
1621 Mail Service Center
Raleigh, NC 27699-1621

Mr. Pete Benjamin
U.S. Fish and Wildlife Service
Fish and Wildlife Enhancement
Post Office Box 33726
Raleigh, North Carolina 27636-3726

Christopher Militcher
USEPA Raleigh Office
Office of Environmental Assessment
310 New Bern Avenue, Room 206
Raleigh, NC 27601

Mr. Ron Sechler
National Marine Fisheries Service
Pivers Island
Beaufort, North Carolina 28516

Mr. Mason Herndon
North Carolina Department of Transportation
Division 3
124 Division Drive
Wilmington, North Carolina 28401

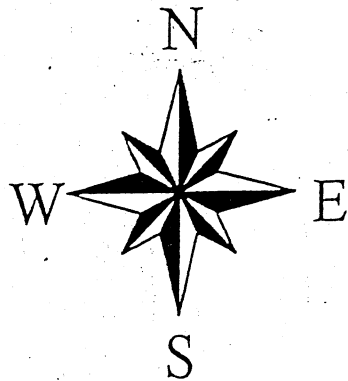
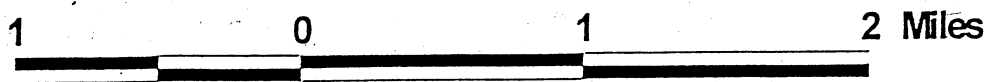
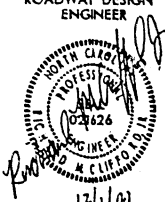
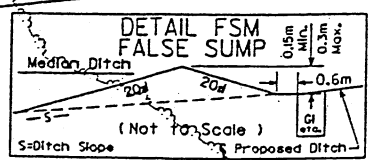
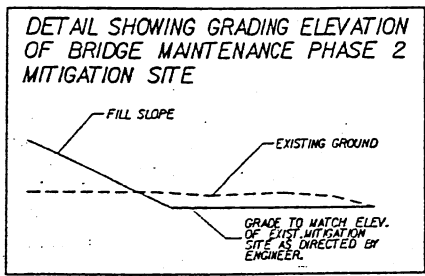
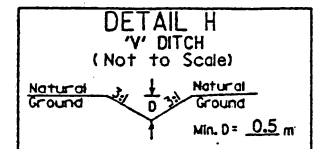
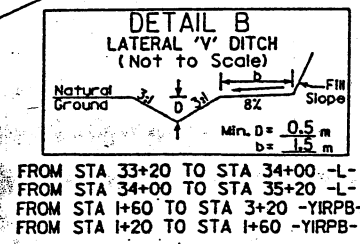


Fig. 1 Mitigation Sites
 U-92A/B Smith Creek Parkway
 New Hanover County

REVISIONS

PROJECT REFERENCE NO. SHE
 U-0092A R/W SHEET NO.
 ROADWAY DESIGN ENGINEER HYDRAL ENGIN

 CONST. REV. 12/1/00
 R/W REV. 12/1/00

FOR PROFILE OF LINE -L- SEE SHEETS 15 AND 16
 FOR PROFILE OF LINE -YIRPB- SHEETS 20 AND 21



-XOVER- PI Sta I+73142 $\Delta = 18^{\circ} 25' 32.5"$ (RT) $L = 64.318$ $T = 32.439$ $R = 200.000$	-XOVER- PIs Sta 33+07.243 $\theta s = 4^{\circ} 10' 40"$ $Ls = 70.000$ $LT = 46.680$ $ST = 23.345$	-XOVER- PI Sta 35+74802 $\Delta = 46^{\circ} 05' 57.5"$ (RT) $L = 386.20$ $T = 204.239$ $R = 480.000$ $E = D6$	-L- STA 36+20.000 END PROJECT TIE TO FUTURE PROJ. U-0092B $N 57202.487 E 708038.6294$	-YIRPB- PIs Sta 0+10.001 $\theta s = 1^{\circ} 44' 52.4"$ $Ls = 30.0$ $LT = 20.0010$ $ST = 10.0009$	-YIRPB- PIs Sta 0+66.681 $\theta s = 5^{\circ} 52' 35.4"$ $Ls = 40.0$ $LT = 26.6814$ $ST = 13.3467$	-YIRPB- PI Sta I+11.75 $\Delta = 18^{\circ} 09' 58.2"$ (LT) $L = 61.8266$ $T = 31.749$ $R = 195.0000$ $E = D6$ RUNOFF = SEE PLANS
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