



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

November 27, 2006

N. C. Dept. of Environment and Natural Resources  
Division of Coastal Management  
1367 U. S. Highway 17  
Elizabeth City, NC 27909

Attention: Ms. Kimberly Hedrick

Dear Madam:

**Subject: CAMA Major Development Permit Modification Request** for the proposed replacement of Bridge No. 16 over Merchants Millpond on SR 1400, in Gates County. Federal Aid Project No. BRZ-1400(4), State Project No. 8.2060201, TIP No. B-3640, Debit WBS 33188.1.1 \$100.

**Reference: CAMA Permit # 102-06** dated June 8, 2006

As stated in the original application, the North Carolina Department of Transportation (NCDOT) proposes to replace existing Bridge No. 16 on SR 1400 over Merchants Millpond in Gates County. Since the CAMA Permit was issued, NCDOT has modified its plan to include temporary sheet pile to enhance construction of the dam/spillway and fish ladder. Therefore, in addition to the permitted permanent impacts, there will be temporary stream and surface water impacts.

To facilitate and expedite the construction of the proposed spillway/dam and fish ladder, the NCDOT proposes to use sheet-pile downstream to prevent back-flow into the project area so that it may remain dry during construction. The method of sheet pile installation will most likely be vibro-hammer but possibly pile driving (it will not be jetted) via crane from the existing causeway. The dimensions of the sheet pile will be 140' L x 6' H. The sheet pile will remain in place for approximately 12 months and result in 63 ft of temporary stream impacts and 0.14 acre of temporary surface water impacts. Consequently, installation of sheet piles will dispense the need for an anadromous fish moratorium based on personal communication with the North Carolina Wildlife Resources Commission. NCDOT also requests modification of Condition #29 to eliminate the requirement to use turbidity curtains, which would not be necessary since the project area will be de-watered. In addition, NCDOT requests modification to Condition #25, which states the depth the water in the pond will be lowered 6 inches for one month; NCDOT has determined the water depth should be lowered approximately 12 inches until the project has completed.

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

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

**LOCATION:**  
2728 CAPITAL BLVD.  
PARKER LINCOLN BUILDING, SUITE 168  
RALEIGH NC 27604

NCDOT requests that the referenced CAMA Major Development Permit be modified to reflect the revisions outlined in this letter. If you have any questions or need additional information please contact Tyler Stanton at (919) 715-1439 or tstanton@dot.state.nc.us.

Sincerely,



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

Cc W/o attachment:

Mr. John Hennessy, NCDWQ  
Dr. David Chang, PE, Hydraulics  
Mr. Greg Perfetti, PE, Structure Design  
Mr. Mark Staley, Roadside Environmental  
Mr. Anthony Roper, PE, Division 1 Engineer  
Mr. Clay Willis, Division 1 Environmental Officer  
Mr. Scott McLendon, USACE, Wilmington  
Mr. Jay Bennett, PE, Roadway Design  
Mr. Majed Alghandour, PE, Programming and TIP  
Mr. Art McMillan, PE, Highway Design  
Ms. Stacy Baldwin, PE, PDEA