



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

April 29, 2005

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

ATTENTION: Mr. Eric Alsmeyer  
NCDOT Coordinator

Dear Mr. Alsmeyer:

Subject: **Modification to the Nationwide 23 and 33 permit**, issued on December 5, 2003 (Action ID 200321265 and 200321266), for the replacement of Bridge No. 404 over South Potts Creek on SR 1147, Davidson County. Federal Aid Project No. BRSTP-1147(3), State Project No. 8.2604401, TIP Project No. B-4334.

Please find enclosed a revised permit drawing plan view and summary sheet for the above-mentioned project. On December 5, 2003 the USACE issued Nationwide 23 and 33 Permits for the above-mentioned project that included a relocation of 56 feet of an Unnamed Tributary to South Potts Creek using natural channel design. Officials from NCDOT and NCWRC reviewed the proposed channel work in the field and a new alignment for the stream relocation has been proposed. The new alignment eliminates the sharp bends in the channel and follows a more natural pattern. Impacts from the original alternative totaled 56 feet, and the new alignment will result in 120 feet of fill in the stream and will result in 115 feet of natural channel design, no additional mitigation is proposed. NCDOT and NCWRC officials concluded that this alignment would result in a more stable stream and prevent future washouts. No changes are proposed to the cross-sectional area, width, depth, or channel slope approved in the current permit.

#### Regulatory Approvals

The NCDOT requests that the USACE modify the Nationwide 23 and 33 Permit, issued on December 5, 2003. We have also forwarded two copies to the NCDWQ for their records. All general conditions of the Water Quality Certifications will be met therefore no written concurrence is required.

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

LOCATION:  
TRANSPORTATION BUILDING  
1 SOUTH WILMINGTON STREET  
RALEIGH NC

If you have any questions or need additional information, please call Brett Feulner at 715-1488.

Sincerely,

A handwritten signature in black ink, appearing to read "Gregory J. Thorpe". The signature is stylized with a large initial "G" and a long horizontal stroke at the end.

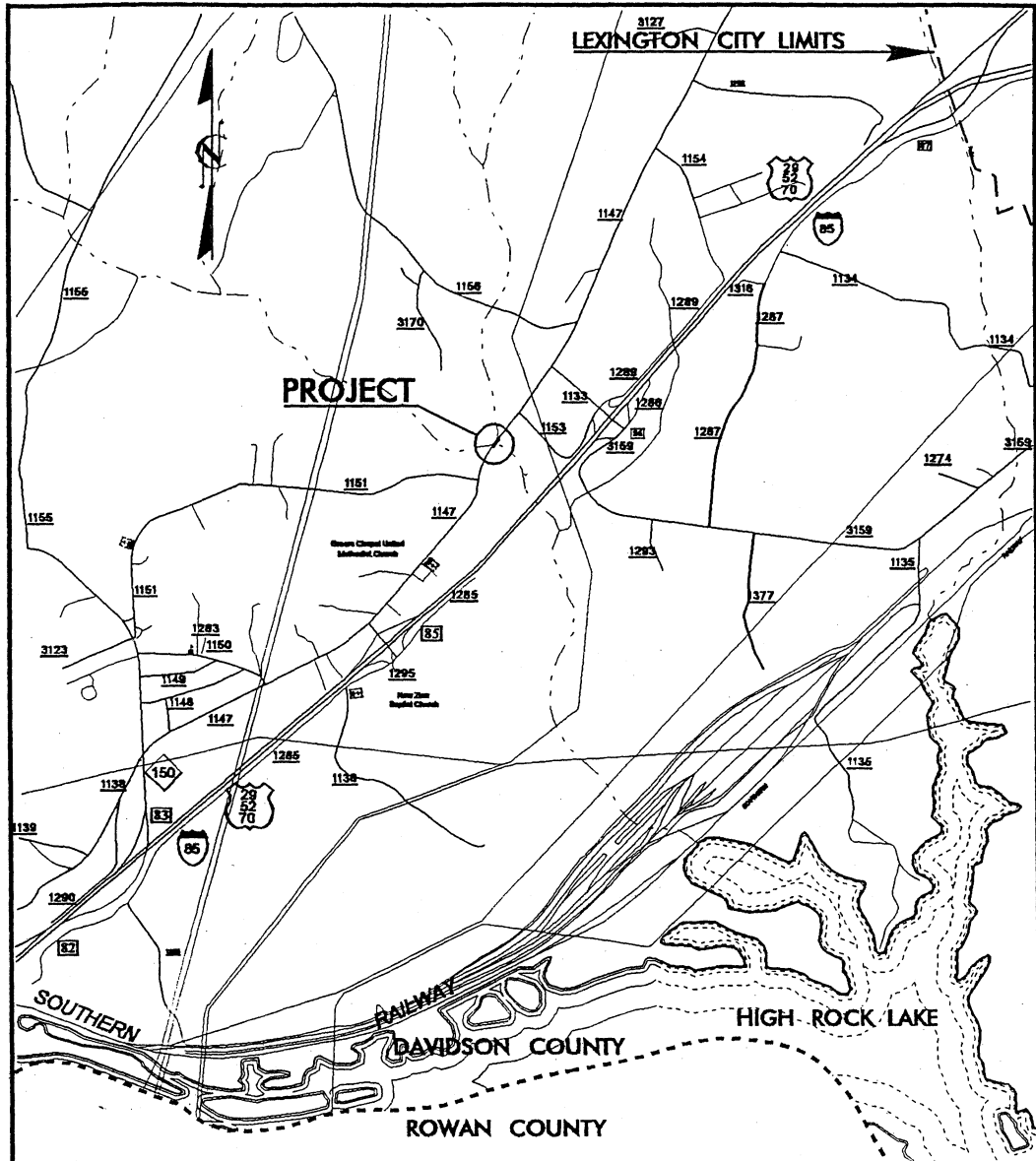
Gregory J. Thorpe, Ph.D.  
Environmental Management Director, PDEA

w/ attachment:

- Mr. John Hennessey, NC Division of Water Quality (2 copies)
- Ms. Marla Chambers, NCWRC
- Ms. Marella Buncick, USFWS
- Mr. Greg Perfetti, P.E., Structure Design
- Mr. John Conforti, Project Planning Engineer
- Dr. David Chang, P.E., Hydraulics
- Mr. S.P. Ivey, P.E., Division 9 Engineer
- Ms. Diane Hampton, P.E., DEO
- Mr. Mark Staley, Roadside Environmental

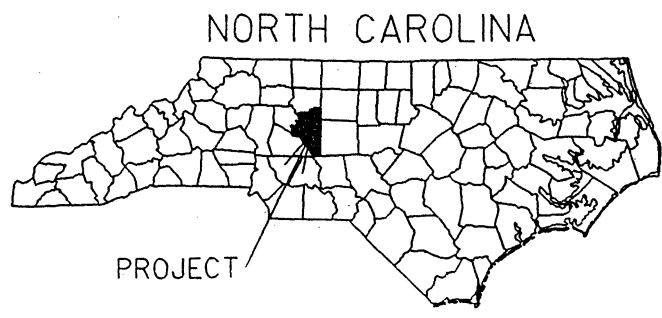
w/o attachment

- Mr. Jay Bennett, P.E., Roadway Design
- Mr. Omar Sultan, Programming and TIP
- Mr. Art McMillan, P.E., Highway Design
- Mr. David Franklin, USACE, Wilmington
- Mr. Dennis Pipkin, P.E., PDEA



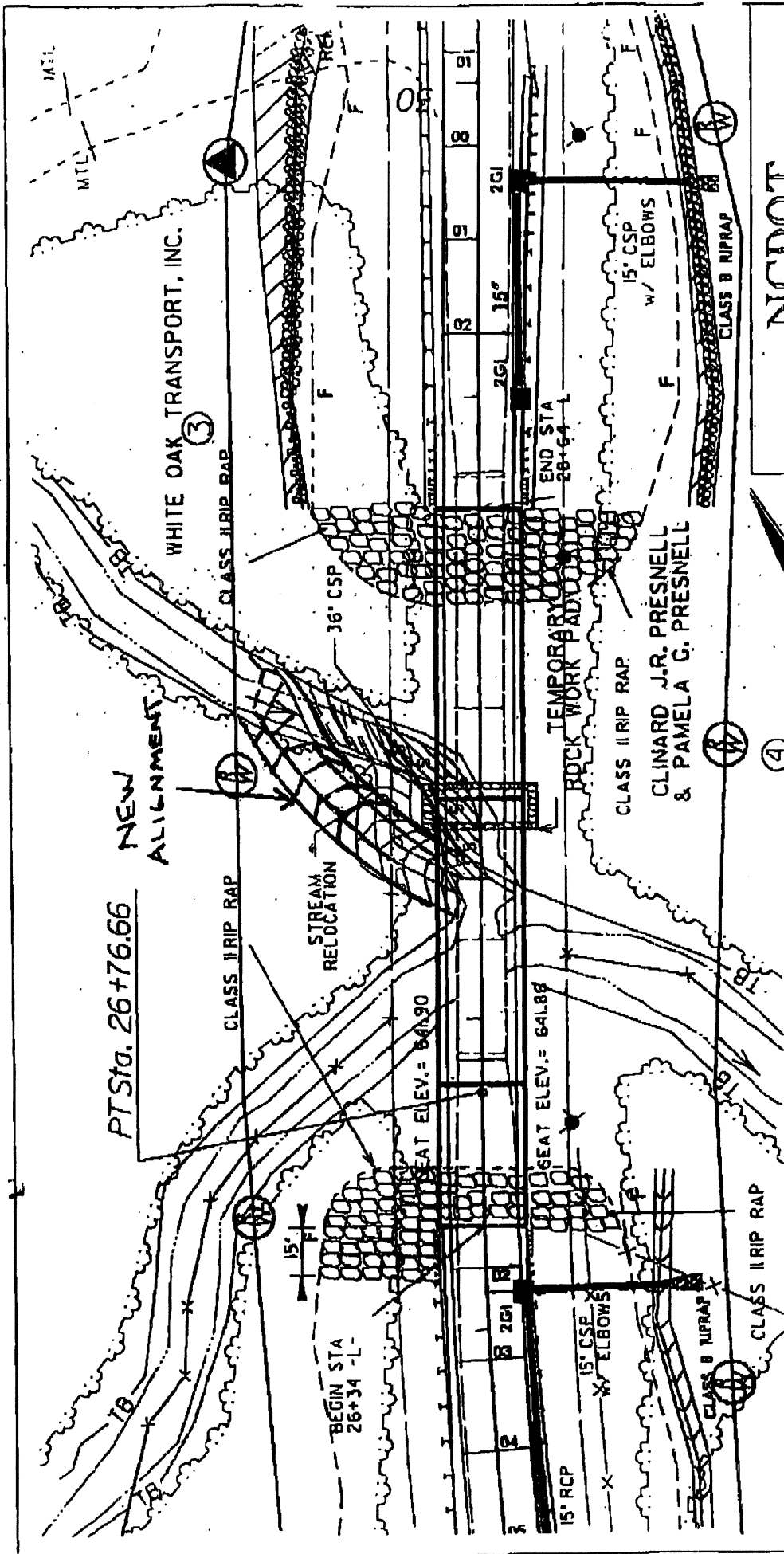
**VICINITY MAP**

**VICINITY MAP**



**NCDOT**  
 DIVISION OF HIGHWAYS  
 DAVIDSON COUNTY  
 PROJECT: 8.2604401 (B-4334)  
 REPLACE BRIDGE NO. 404  
 OVER SOUTH POTTS CREEK

ON SR 1147 *Revised*  
 SHEET 1 OF 6 4-28-05



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SHEET 3 OF 6

**PLAN VIEW**

JAMES R. SWING, III

 DENOTES FILL IN SURFACE WATER



SCALE: 1" = 50' HORIZ.



WETLAND PERMIT IMPACT SUMMARY		SURFACE WATER IMPACTS									
		WETLAND IMPACTS									
Site No.	Station (From/To)	Structure Size / Type	Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation In Wetlands (ac)	Mechanized Clearing (Method III) (ac)	Fill In SW (Natural) (ac)	Fill In SW (Pond) (ac)	Temp. Fill In SW (ac)	Existing Channel Impacted (ft)	Natural Stream Design (ft)
1	27+49 -L-	1 @ 45' 2 @ 92.5'					0.02			120	115
		54" PRESTRESSED GIRDER BRIDGE									
TOTALS:			0	0	0	0	0.02	0	0	120	115

\* Note: Relocated stream length = 120 feet

NC DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 DAVIDSON COUNTY  
 PROJECT 8.2604401 B4334  
 SHEET 6 OF 6  
 Rev. sec 4126105