



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

August 3, 2007

MEMORANDUM TO: Mr. Mike Mills, PE
Division Seven Engineer

FROM: Philip S. Harris, III, P.E., Unit Head
Natural Environment Unit
Project Development and Environmental Analysis Branch

SUBJECT: Guilford County, Replace Bridge No.73 over Bull Run
Creek; T.I.P. Number B-4128; WBS No. 33481.1.1; State
Project 8.2497601

see E.S. Just

Attached is the DWQ Randleman General Major Variance and Buffer Authorization for the above referenced project.

PSH/gyb

Attachment

Cc:

Mr. Majed Alghandour, P. E., Programming and TIP
Mr. Jay Bennett, P.E., Roadway Design
Dr. David Chang, P.E., Hydraulics
Mr. Randy Garris, P.E. State Contract Officer
Mr. Art McMillan, P.E., Highway Design
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. John F. Sullivan, FHWA
Mr. Eric Midkiff, P.E., PDEA Central Region Unit Head
Mr. Jerry Parker, Division Environmental Officer

PROJECT COMMITMENTS

**Guilford County
Replacement of Bridge No. 73 over Bull Run Creek
State Project 8.2497601
WBS No. 33481.1.1
TIP No. B-4128**

In addition to the standard Randleman Buffer Authorization Conditions, NCDOT's Guidelines for Best Management Practices for the Protection of Surface Waters, and NCDOT's Guidelines for Best Management Practices for Bridge Demolition and Removal, the following special commitments have been agreed to by NCDOT:

Commitments Developed Through Project Development and Design

Natural Environment Unit, Hydraulics Unit

Bull Run Creek is located within the lower Randleman Reservoir watershed and all appropriate buffer rules are applicable.

No further action is required.

Commitments Developed Through the Permitting Process

Division 7 Construction, Roadside Environmental Unit

Streams within the project area are subject to the Randleman Buffer Regulations; therefore, NCDOT's Design Standards in Sensitive Watersheds will be implemented.

Roadside Environmental Unit

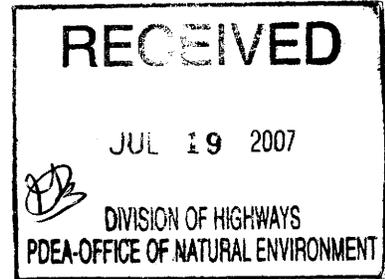
Upon removal of the temporary detour bridge the area impacted shall be restored to pre-construction conditions immediately after removal of the temporary bridge. The area will be restored to natural contours and native woody vegetation as soon as possible and not later than sixteen months after construction and shall include planting of trees so that at the end of five years shall consist (at a minimum) of two different hardwood species at a density of 320 trees per acre.



Michael F. Easley, Governor
William G. Ross Jr., Secretary
North Carolina Department of Environment and Natural Resources

Coleen H. Sullins Director
Division of Water Quality

July 16, 2007
DWQ No. 07-1009
Guilford County



Dr. Gregory J. Thorpe, PhD., Manager
Planning and Environmental Branch
North Carolina Department of Transportation
1548 Mail Service Center
Raleigh, North Carolina, 27699-1548

Re: Replacement of Bridge No. 73 over Bull Run Creek on SR 1549 in Guilford County
Federal Aid Project No. BRZ-1549(4), State Project No. 8.2497601, TIP B-4128.
Bull Run Creek [03-06-08; WS-IV]

**APPROVAL of RANDLEMAN RIVER BUFFER RULES "GENERAL" MAJOR VARIANCE
AUTHORIZATION CERTIFICATE with ADDITIONAL CONDITIONS**

Dear Dr. Thorpe,

You have our approval under the "General" Major Variance to the Randleman River Buffer Rules, in accordance with the conditions listed below, for the following impacts for the purpose of the replacement of Bridge No. 73 on SR 1549 in Guilford County:

Randleman River Riparian Buffer Impacts

Site	Zone 1 (sq. ft.)	Zone 2 (sq. ft.)	Mitigation Required Zone 1 (sq. ft.)	Mitigation Required Zone 2 (sq. ft.)
Bridge	3238	0	9714	0
Approach Fill	1408	2684	4224	4026
Standard Base Ditch	1307	781	3921	1172
Utility Crossing	568	144	1704	216
Totals:	6521	3609	19563	5414

The project shall be constructed according to your application dated June 6, 2007 and any conditions listed below. This approval shall act as your Authorization Certificate as required within the Randleman River Riparian Buffer Rules (15A NCAC 2B .0250). In addition, you should get any other required federal, state or local permits before you go ahead with your project including (but not limited to) Sediment and Erosion Control.

This approval is only valid for the purpose and design that you described in your application dated June 6, 2007. If you change your project, you must notify us and you may be required to send us a new application. If the property is sold, the new owner must be given a copy of this authorization and approval letter and is thereby responsible for complying with all conditions. For this approval to be valid, you must follow the conditions listed below.



Michael F. Easley, Governor
William G. Ross Jr., Secretary
North Carolina Department of Environment and Natural Resources

Coleen Sullins, Director
Division of Water Quality

1. Upon removal of the temporary detour bridge the area impacted shall be restored to pre-construction conditions immediately after removal of the temporary approach and temporary bridge. Per your application submittal, the area will be restored to natural contours and native woody vegetation shall be conducted as soon as possible and not later than sixteen (16) months after construction and shall include planting of trees so that at the end of five years shall consist (at a minimum) of two different hardwood species at a density of 320 trees per acre.
2. Compensatory mitigation for the impacts to 10,130 square feet of protected riparian buffers shall be required. We understand that you have chosen to perform compensatory mitigation for impacts to protected buffers through use of the North Carolina Ecosystem Enhancement Program (EEP). Mitigation for unavoidable impacts to Randleman Riparian Buffers shall be provided in Randleman Watershed of the Cape Fear River Basin and done in accordance with the Randleman General Major Variance. EEP has indicated in a letter dated May 14, 2007 that they will assume responsibility for satisfying the compensatory mitigation requirements for the above-referenced project, in accordance with the Tri-Party MOA signed on July 22, 2003 and the Dual-Party MOA signed on April 12, 2004.

If you do not accept any of the conditions of this authorization, you may ask for an adjudicatory hearing. You must act within 60 days of the date that you receive this letter. To ask for a hearing, send a written petition, which conforms to Chapter 150B of the North Carolina General Statutes to the Office of Administrative Hearings, P.O. Box 27447, Raleigh, N.C. 27611-7447. This authorization and its conditions are final and binding unless you ask for a hearing.

This letter completes the review of the Division of Water Quality under the "No Practical Alternatives" determination required in 15A NCAC 2B .0250(2). If you have any questions, please contact Sue Homewood at 336-771-4964.

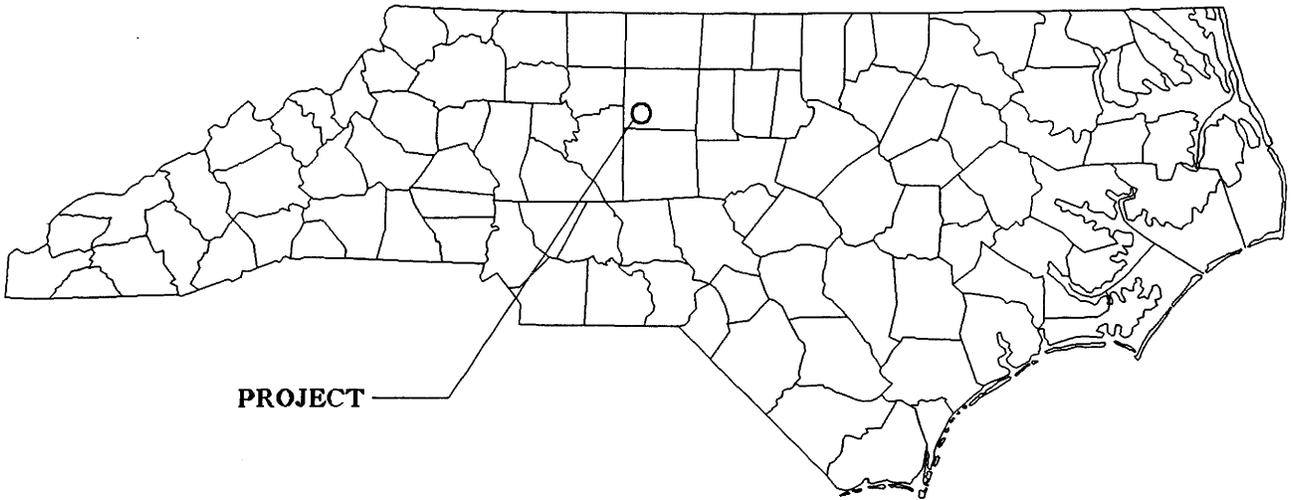
Sincerely,

A handwritten signature in black ink, appearing to read "Coleen Sullins", written over a horizontal line.

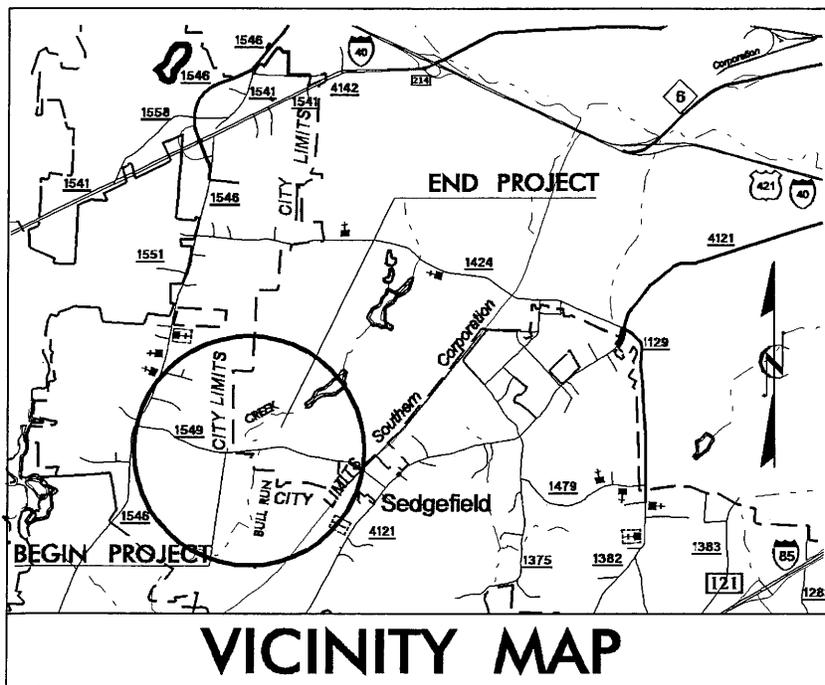
Coleen Sullins
Director

cc: Erica McLamb, NCDOT PDEA
Andy Williams, US Army Corps of Engineers, Raleigh Field Office
Ecosystem Enhancement Program
DWQ Winston-Salem Regional Office
DWQ Transportation Permitting Unit

NORTH CAROLINA



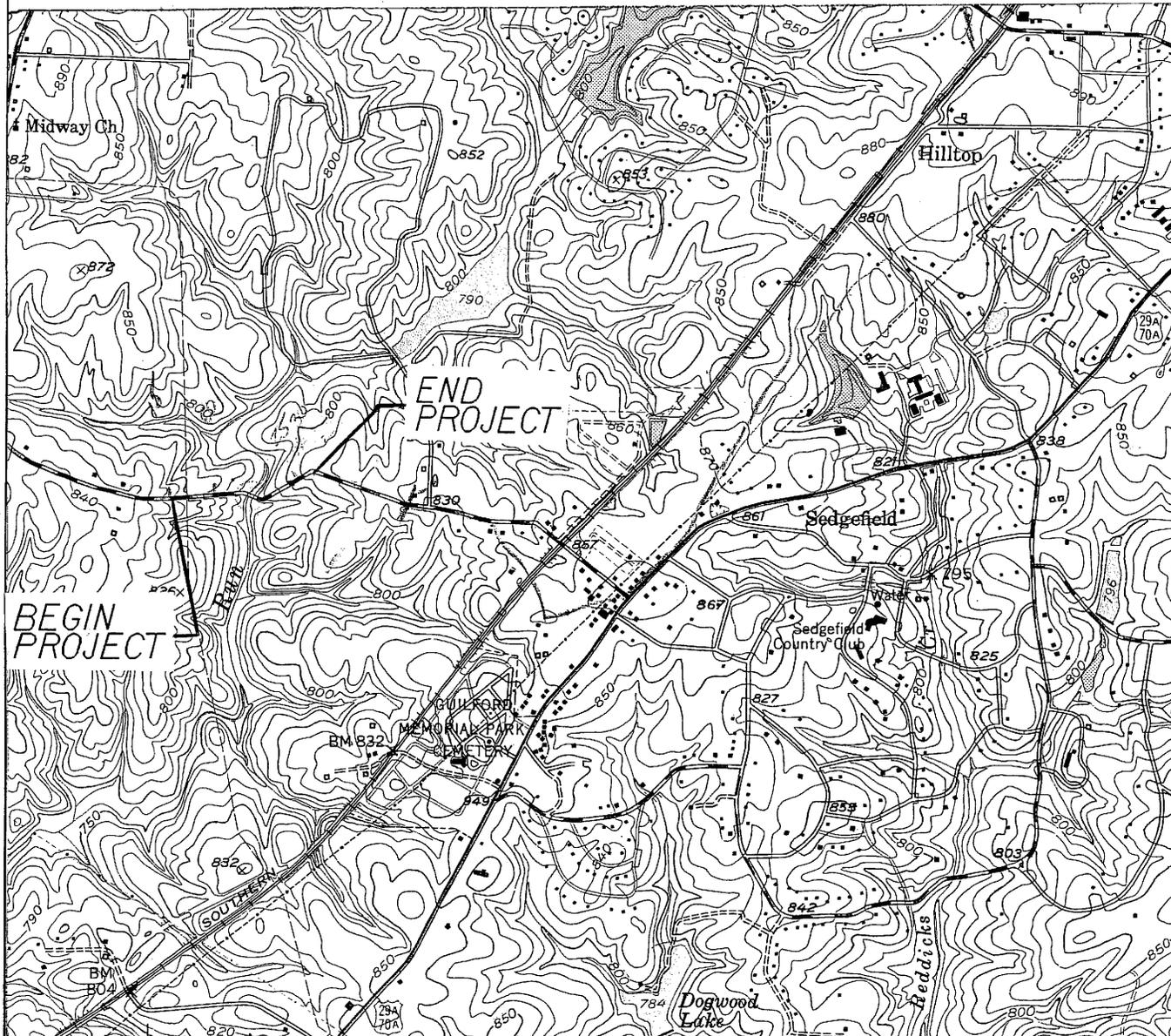
PROJECT



VICINITY MAP

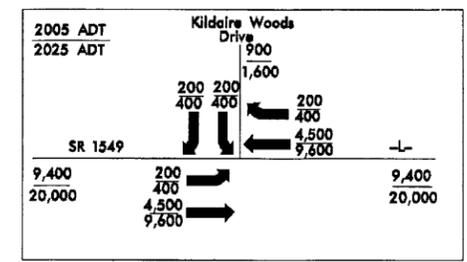
RANDLEMAN BUFFER VICINITY MAPS

NCDOT
DIVISION OF HIGHWAYS
GUILFORD COUNTY
PROJECT: 33481.1 (B-4128)
BRIDGE No. 73 OVER
BULL RUN CREEK ON
SR 1549 IN GREENSBORO



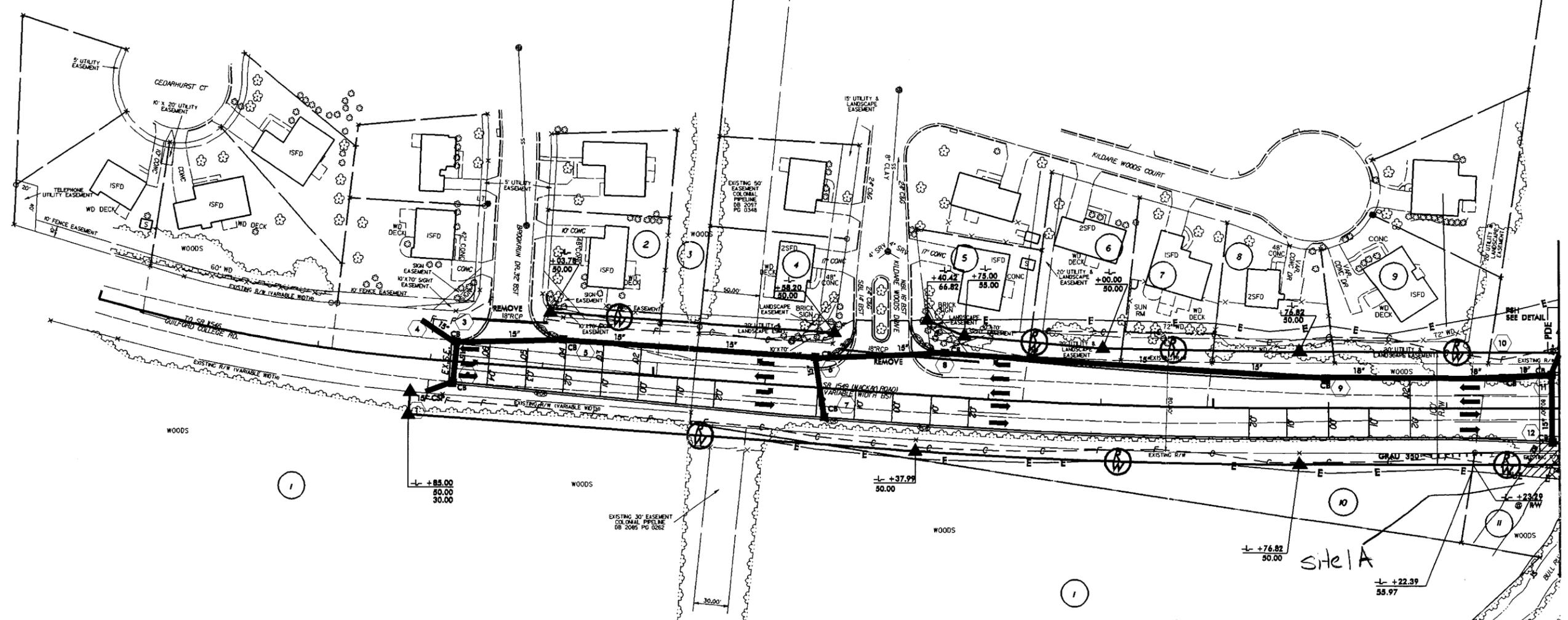
RANDLEMAN BUFFER
VICINITY
MAPS

N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
GUILFORD COUNTY
PROJECT: 33481.1 (B-4128)
BRIDGE No. 73 OVER
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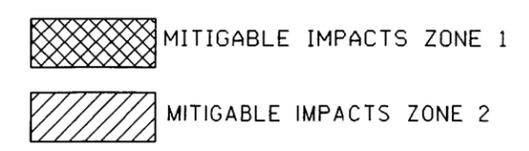


Buffer Drawing
Sheet 4 of 6

REVISIONS



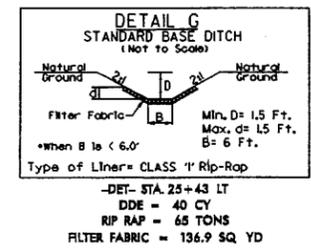
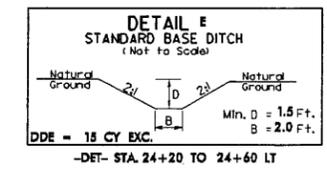
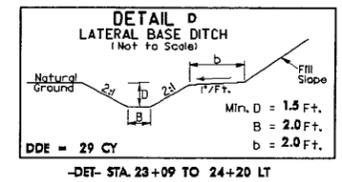
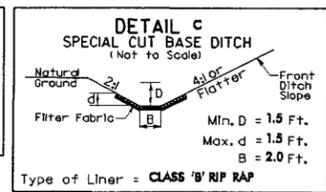
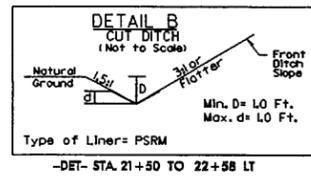
MATCH LINE SEE SHEET 5 -L- STA. 23+00.00



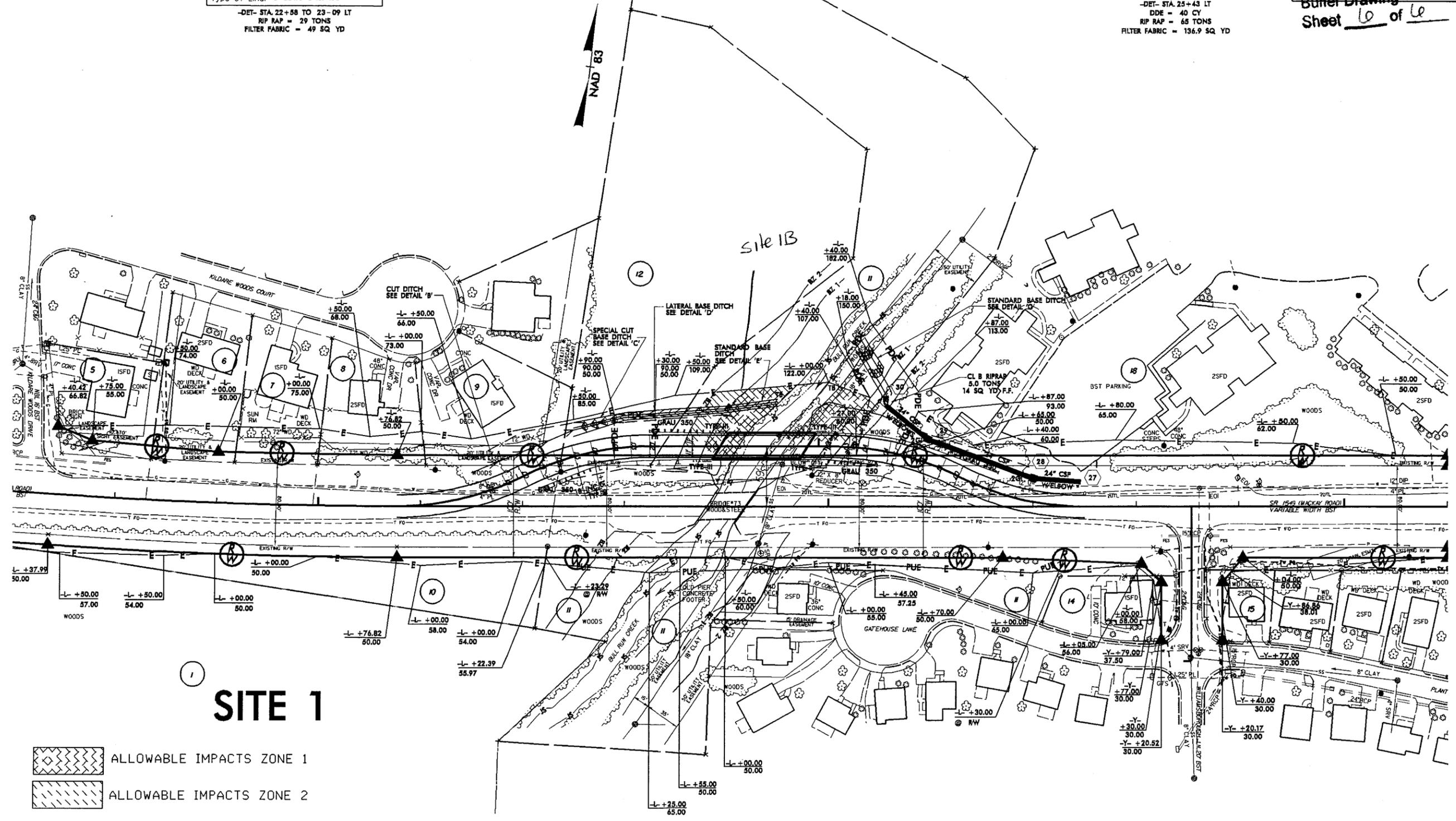
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SEE SHEET 6 FOR -L- PROFILE

Buffer Drawing
Sheet 6 of 16



R/W REVISIONS: 1/11/06 D.C.G. PROPERTY OWNER NAME CHANGES, ADDED PUSES AND OFFSETS FOR MONUMENTS.



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