



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY PERDUE
GOVERNOR

EUGENE CONTI
SECRETARY

December 14, 2010

MEMORANDUM TO: Mr. Jay Swain, Jr., PE
Division Thirteen Engineer

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

SUBJECT: Buncombe County, Replace Bridge No.134 over Stony Fork Creek; T.I.P.
Number B-4034; Federal Aid Project No. BRSTP-151(10); State Project
8.1845901

E. L. Furr

Attached is the modification to U.S. Army Corps of Engineers Section 404 General Permit 31 for the above referenced project. All environmental permits have been received for the construction of this project.

A copy of this permit package will be posted on the NCDOT website at:
<http://www.ncdot.gov/doh/preconstruct/pe/neu/permit.html>

PSH/gyb

Attachment

Cc: W/attachment
Mr. Randy Garris, P.E. State Contract Officer
Mr. Roger Bryan, Division Environmental Officer
Dr. Charles Nicholson, TVA

Cc: W/o attachment (see website for attachments)
Mr. Majed Alghandour, P. E., Programming and TIP
Mr. Jay Bennett, P.E., Roadway Design
Dr. David Chang, P.E., Hydraulics
Mr. Art McMillan, P.E., Highway Design
Mr. Tom Koch, P.E., Structure Design
Mr. Dewayne Sykes, P.E., Utilities Unit
Mr. Mark Staley, Roadside Environmental
Mr. John F. Sullivan, FHWA
Mr. Ron Hancock, P.E., State Roadway Construction Engineer
Mr. Mike Robinson, P.E., State Bridge Construction Engineer
Ms. Beth Harmon, EEP
Mr. Bill Goodwin, P.E., PDEA Bridge Unit Head

Dagnino, Carla S

From: Beckwith, Loretta A SAW [Loretta.A.Beckwith@usace.army.mil]
Sent: Monday, November 15, 2010 11:32 AM
To: Lusk, Elizabeth L
Cc: Leamer, Jeremy T; Dagnino, Carla S
Subject: RE: B-4034 messages

Attachments: B-4034 Buncombe County bridge replacement over Stony Fork Creek



Untitled AttachmentB-4034 Buncombe
County bridge ...

Elizabeth,

As we discussed last week, in order to comply with a requirement from Land Quality, you will add rip rap (class B stone) to the newly relocated channel (UT to Stony Fork Creek). All rip rap will be flush with the bottom base of the new channel.

We issued a Regional General Permit (RGP) verification letter under file number 2009-01502 on October 15, 2009, that authorized this project, prior to the requirement of rip rap in the new channel.

After review of the plans (attached to this e-mail) and comments from WRC, we have determined that the addition of 375' of rip rap, if installed so that it is flush with the bottom of the new channel, is reasonable. As such, you are authorized to place the rip rap along 375' of new channel. No additional mitigation is required.

In addition to ensuring that the rip rap is flush with the bottom of the new channel, the project must be conducted in compliance with all conditions of the original verification letter of October 15, 2009.

Thank you,

Lori Beckwith
U.S. Army Corps of Engineers
Wilmington District
Asheville Regulatory Field Office

-----Original Message-----

From: Lusk, Elizabeth L [mailto:ellusk@ncdot.gov]
Sent: Friday, November 12, 2010 3:58 PM
To: Chambers, Marla J; Beckwith, Loretta A SAW
Cc: Leamer, Jeremy T; Dagnino, Carla S
Subject: RE: B-4034 messages

Marla,

Yes, the main crossing has not changed from our application. There will be a spanning structure over Stony Fork Creek. Please note that there is no new fill in Waters of the U.S. and, as Carla noted, the invert of the rip rap will be the base of the new channel, i.e. the rip rap will be "keyed into" the channel, not merely sitting on the bottom.

At the risk of sending you something you've already been sent, I'm attaching the revised plan sheet. I believe the only change was to Detail A at the bottom of the sheet.

Lori, I understand Jeremy has sent you some information. Please let us know if there is anything else we need to send to allow you to proceed with modifying the GP31 permit.

Thanks for everyone's help on this quick turnaround project!

8/17/99

ETHERILL ENGINEERING
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

559 Jones Franklin Rd. Suite 164
 Raleigh, N.C. 27606
 License No. 7-40377
 Bus: 919 851 8077
 Fax: 919 851 8107

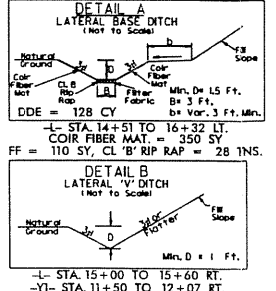
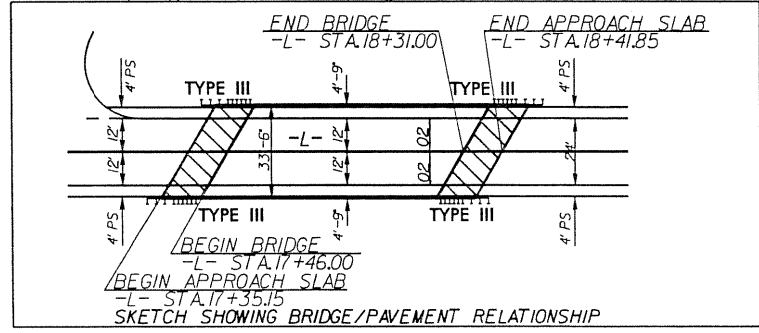
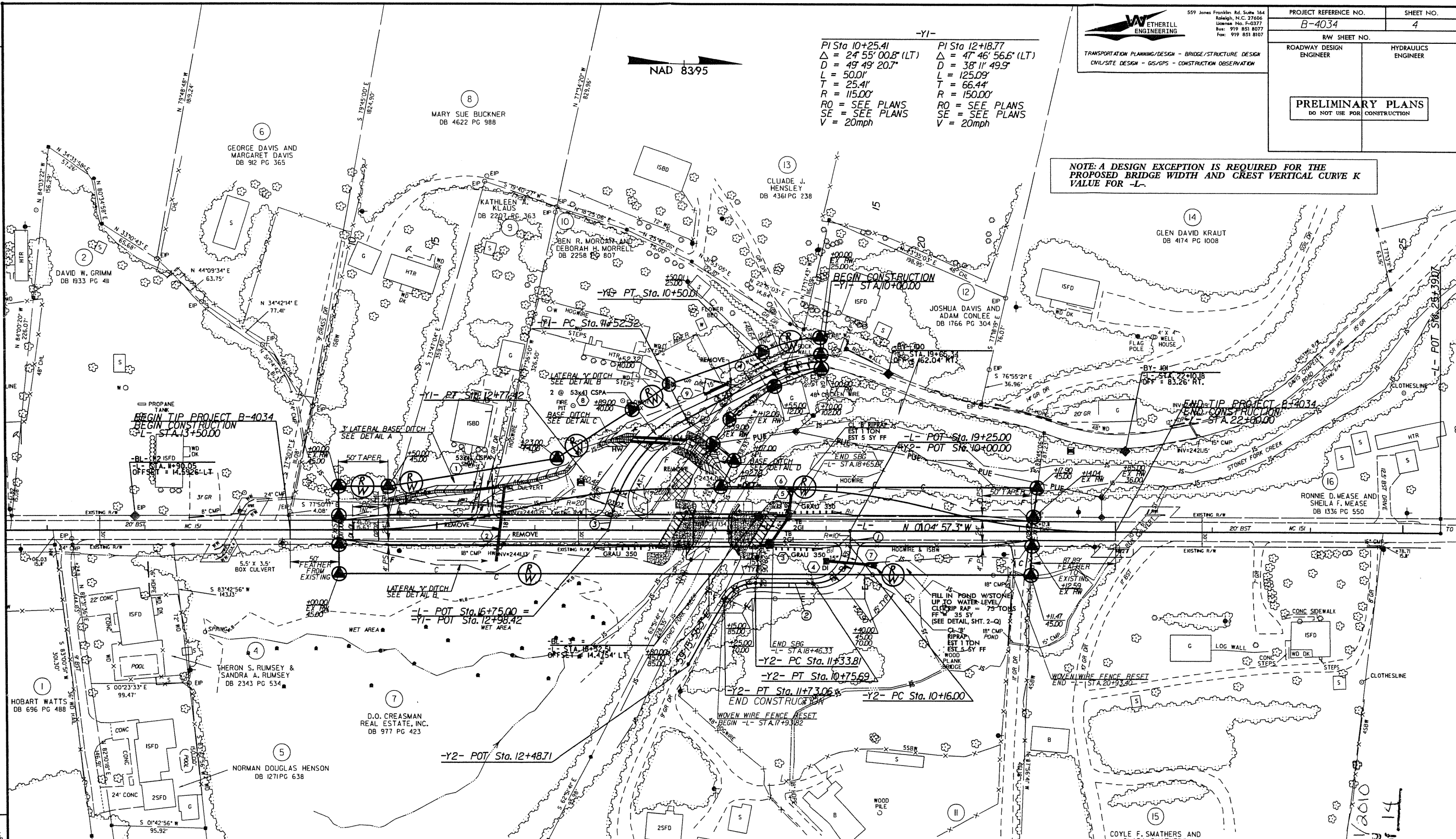
PROJECT REFERENCE NO. B-4034	SHEET NO. 4
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

NAD 8395

-Y1-

PI Sta 10+25.41	PI Sta 12+18.77
$\Delta = 24' 55'' 00.8''$ (LT)	$\Delta = 47' 46'' 56.6''$ (LT)
D = 49' 49'' 20.7"	D = 38' 11'' 49.9"
L = 50.0'	L = 125.09'
T = 25.41'	T = 66.44'
R = 115.00'	R = 150.00'
RO = SEE PLANS	RO = SEE PLANS
SE = SEE PLANS	SE = SEE PLANS
V = 20mph	V = 20mph

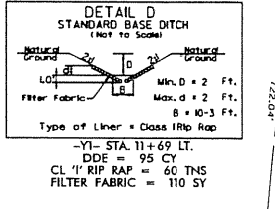
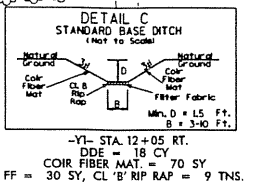
NOTE: A DESIGN EXCEPTION IS REQUIRED FOR THE PROPOSED BRIDGE WIDTH AND CREST VERTICAL CURVE K VALUE FOR -L-.



- 1 N 89° 55' 02.7" E
- 2 S 0° 04' 57.3" E
- 3 S 75° 04' 58.1" E
- 4 S 27° 18' 01.5" E

-Y2-

PI Sta 10+54.00	PI Sta 11+55.39
$\Delta = 90' 00'' 00.0''$ (RT)	$\Delta = 59' 10'' 59.0''$ (LT)
D = 150' 46'' 42.1"	D = 150' 46'' 42.1"
L = 59.69'	L = 39.25'
T = 38.00'	T = 21.58'
R = 38.00'	R = 38.00'
RO = SEE PLANS	RO = SEE PLANS
SE = SEE PLANS	SE = SEE PLANS
V = <15mph	V = <15mph



NOTE: ALL DRIVES ARE 16' UNLESS OTHERWISE NOTED

FOR -L- PROFILE, SEE SHEET 5
 FOR -Y1- PROFILE, SEE SHEET 5
 FOR -Y2- PROFILE, SEE SHEET 5
 FOR -DET- PLAN, SEE SHEET 2-B

Revised 11/2010
 Initial Drawing
 Sheet 5 of 14

REVISIONS

12/15/20 PM 10/14 Roadway\Proj\B-4034_rdy.psd.dgn
 11/18/2010