



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

January 28, 2005

U. S. Army Corps of Engineers  
Regulatory Branch  
Post Office Box 1890  
Wilmington, NC 28402-1890

ATTENTION: Mr. David Timpy  
NCDOT Coordinator

Subject: **Nationwide 23 Permit Modification Application** for the replacement of Bridge Nos. 35 & 44 over Six Runs Creek on NC 403 (Faison Highway), Sampson County. Federal Aid Project No. BRSTP-403(2), State Project No. 8.1281401, Division 3, TIP No. B-3906, WBS #33341.1.1.

Reference: Section 404 Nationwide Permit 23 issued December 17, 2004, USACE Action ID#: 200101309

Dear Mr. Timpy:

On December 17, 2004 the USACE issued a NWP 23 for the replacement of Bridge Nos. 35 and 44 over Six Runs Creek on NC 403 in Sampson County. Due to oversight on the part of NCDOT the use of bents in the construction of each bridge was not included in the original permit drawings and was not documented in the original permit application. The purpose of this letter is to request a modification to the original permit and include the construction of bents in Six Runs Creek for the construction of both Bridge No. 35 and 44. The revised sheets of the original permit drawings are attached.

As stated in the original permit application, Bridge Nos. 35 and 44, built in 1939 over Six Runs Creek, will be replaced in-place with new bridges using top-down construction. The new structures will be approximately 90 ft for Bridge No. 35 and 105 ft for Bridge No. 44 as shown in the permit drawings. The bridge length for Bridge No. 35 was originally estimated to be 105 ft in the Categorical Exclusion document. The Hydraulics Department, after conducting a field survey, determined that the structure would adequately minimize impacts with a length of 90 ft.

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

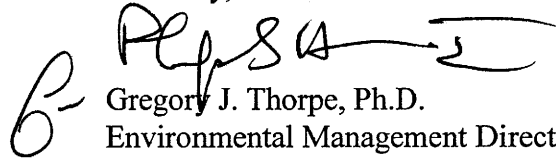
The structures will include two 12 ft travel lanes with 4 ft of lateral clearance on each side of the bridge. The roadway approaches will provide two 12 ft travel lanes with 8 ft shoulders, 4 ft of the shoulders being paved. The roadway approach and bridge grades will approximately match existing bridge and roadway elevations. During construction, traffic will be maintained by an off-site detour.

Permanent impacts resulting from the placement of two bents in Six Runs Creek for each bridge is 0.002 acre per bridge for a total of 0.004 acre. NCDOT is not proposing additional mitigation for these impacts.

### REGULATORY APPROVALS

The NCDOT Request that the USACE modify the Nationwide Permit 23 issued on December 17, 2004. With this letter NCDOT is advising the NCDWQ of the changes. If you have any questions or need additional information, please contact Jon Scott at (919) 715-1340.

Sincerely,

A handwritten signature in black ink, appearing to read 'G. Thorpe', is written over the typed name. The signature is fluid and cursive.

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

w/attachment

Mr. John Hennessy, Division of Water Quality (2 Copies)  
Mr. Travis Wilson, NCWRC  
Dr. David Chang, P.E., Hydraulics  
Mr. Greg Perfetti, P.E., Structure Design  
Mr. H. Allen Pope, P.E., Division Engineer  
Mr. Mark Staley, Roadside Environmental  
Mr. Mason Herndon, Division Environmental Officer  
Mr. Ron Hancock, State Bridge Construction Engineer

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  
Ms. Theresa Ellerby, PDEA Project Planning Engineer  
Ms. Beth Harmon, EEP

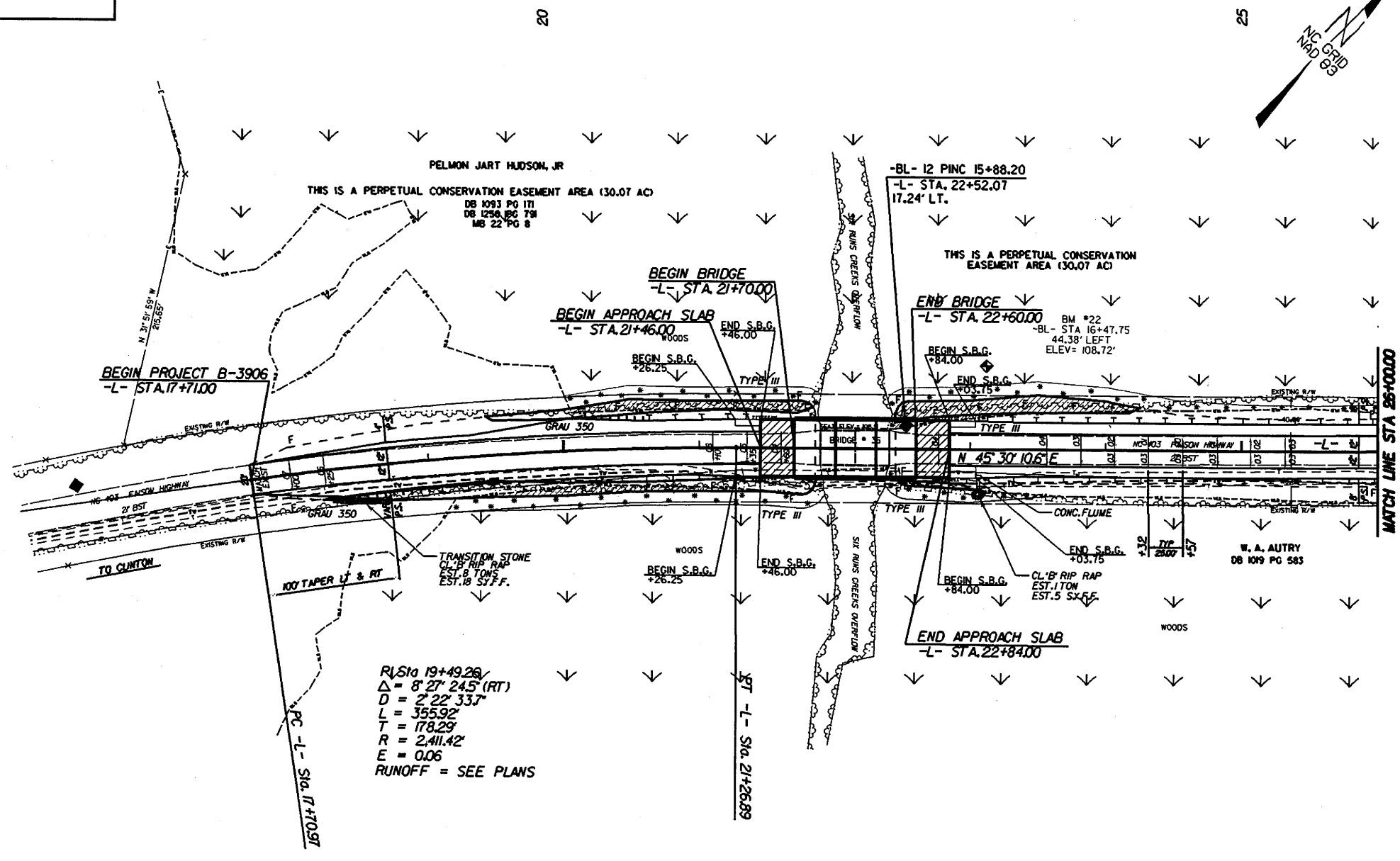
10/26/98

REVISIONS

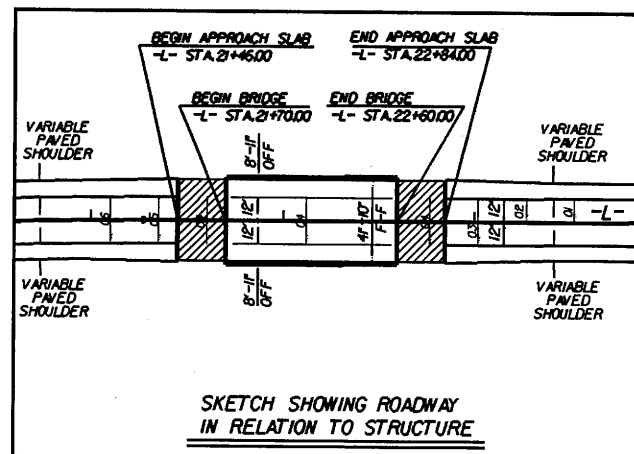
1/24/05

PROJECT REFERENCE NO. B-3906	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 27771 MATTHEW B COPPLE	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 18442 RICHARD LEON BOLLINGER JR




Permit Sheet 5 of 12



$R = 19+49.26$   
 $\Delta = 8' 27'' 24.5'' (RT)$   
 $D = 2' 22'' 33.7''$   
 $L = 355.92'$   
 $T = 178.29'$   
 $R = 2,411.42'$   
 $E = 0.06$   
 RUNOFF = SEE PLANS

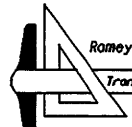


SKETCH SHOWING ROADWAY IN RELATION TO STRUCTURE

-  DENOTES FILL IN WETLANDS
-  DENOTES HAND CLEARING
-  DENOTES APPROACH SLAB
- SBG - DENOTES SHOULDER BERM GUTTER

FOR -L- PROFILE SEE SHEET NO.6

SEE SHEETS S-1 THRU S-4 FOR STRUCTURE PLANS

  
 Romey Kemp & Associates, Inc.  
 Transportation Consulting Engineers  
 4928-A Windy Hill Drive Raleigh, North Carolina 27609  
 1989 872-546 Fax 1989 878-546

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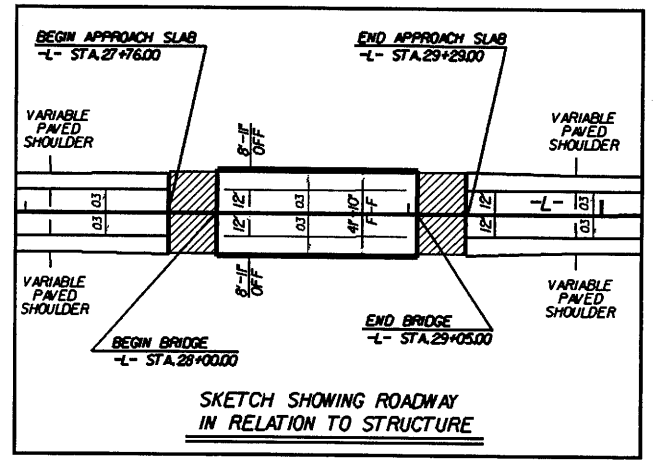
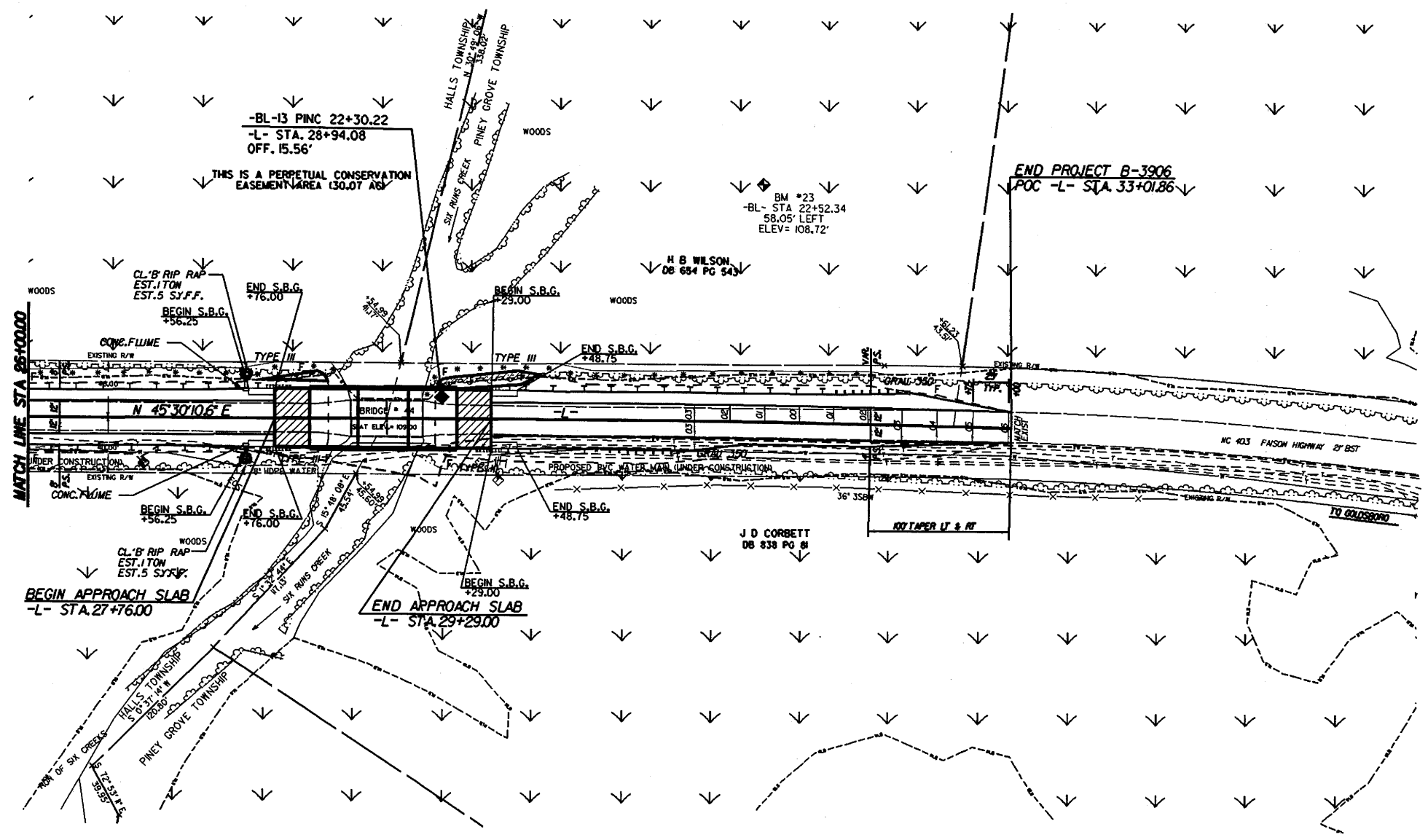
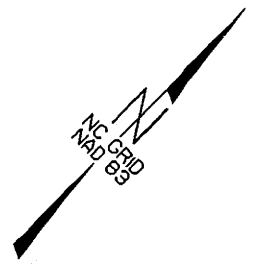
10/26/94

REVISIONS

1/24/05

PROJECT REFERENCE NO. <b>B-3906</b>	SHEET NO. <b>5</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 27771 MATTHEW B COPPLE	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 18442 RICHARD LEON BOLLINGER JR.

Permit Sheet 7 of 12



- DENOTES FILL IN WETLANDS
- DENOTES HAND CLEARING
- DENOTES APPROACH SLAB
- SBG - DENOTES SHOULDER BERM GUTTER

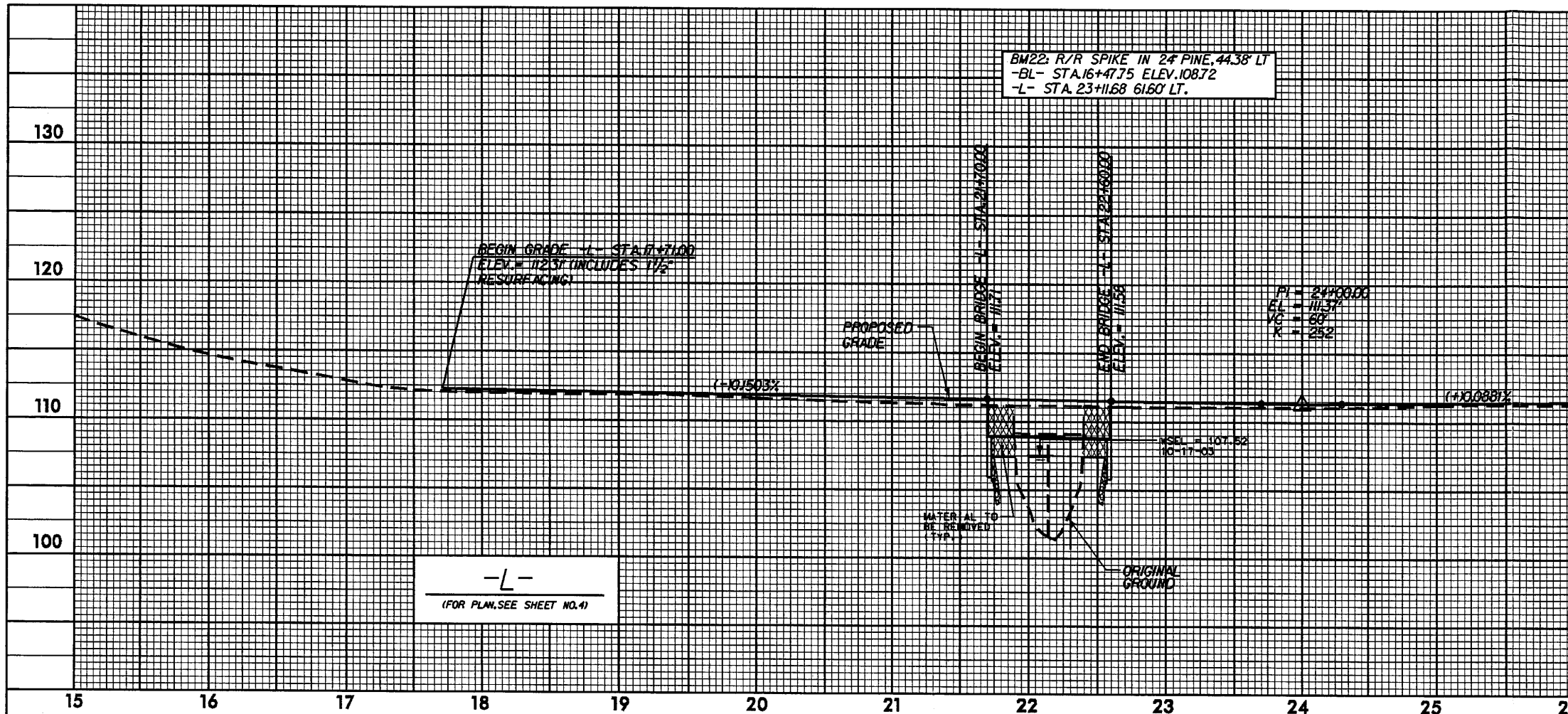
FOR -L- PROFILE SEE SHEET NO.6

SEE SHEETS S-1 THRU S-4 FOR STRUCTURE PLANS

**Ramey Kemp & Associates, Inc.**  
Transportation Consulting Engineers

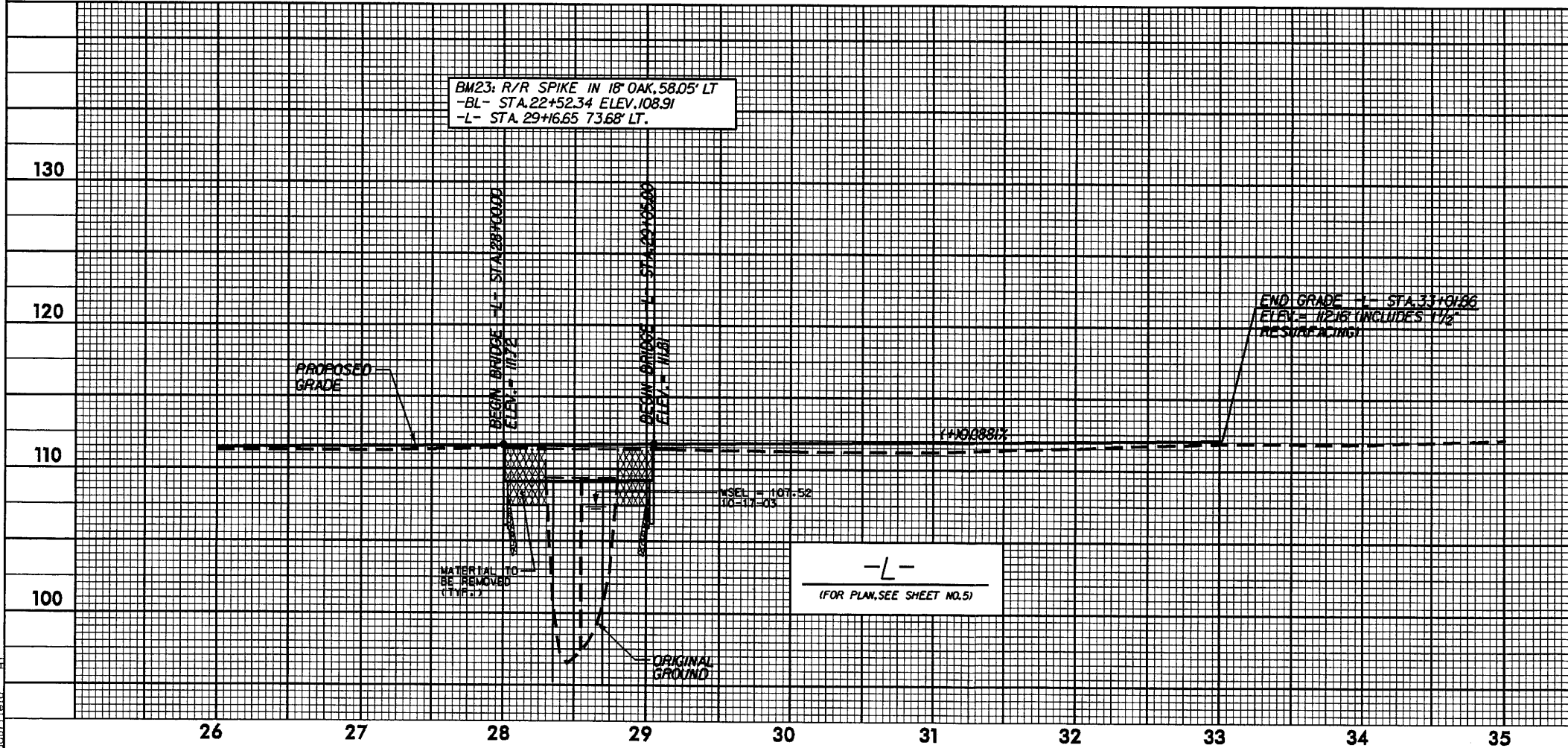
4928-A Winy Hill Drive Raleigh, North Carolina 27609  
(919) 872-585 Fax (919) 878-546

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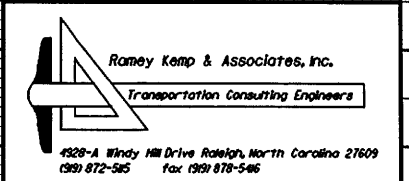
STRUCTURE HYDRAULIC DATA	
DESIGN DISCHARGE	= 2600 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 111.8 FT
BASE DISCHARGE	= 3100 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 112.1 FT
OVERTOPPING DISCHARGE	= 2350 CFS
OVERTOPPING FREQUENCY	= 50 - YRS
OVERTOPPING ELEVATION	= 111.38 FT

-L-  
(FOR PLAN, SEE SHEET NO. 4)



STRUCTURE HYDRAULIC DATA	
DESIGN DISCHARGE	= 2600 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 111.8 FT
BASE DISCHARGE	= 3100 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 112.1 FT
OVERTOPPING DISCHARGE	= 2350 CFS
OVERTOPPING FREQUENCY	= 50 - YRS
OVERTOPPING ELEVATION	= 111.38 FT

-L-  
(FOR PLAN, SEE SHEET NO. 5)



Revised 1/24/05

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## WETLAND PERMIT IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS				SURFACE WATER IMPACTS											
			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 (ac)	Natural Stream Design (ft)							
1	-L- 19+00 to 32+00	Cored Slab Bridge #35 3@30', L=90' #44 3@35', L=105'	0.1097															
<b>TOTALS:</b>			0.1097	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0

\* Impacts from bents total 0.004 acres.

N.C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SAMPSON COUNTY

PROJECT 33341.1.1 (B-3906)  
BRIDGES NO. 35 & NO. 44 ON NC 403 (FAISON HIGHWAY)  
OVER SIX RUNS CREEK