



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

August 6, 2012

Mr. Ronnie Smith
U. S. Army Corps of Engineers
Regulatory Field Office
69 Darlington Avenue
Wilmington, NC 28403

Dear Sir:

Subject: Modification Request for Section 404 Nationwide Permits (NWP) 23 & 12 & Section 401 Water Quality Certification for the replacement of Bridge No. 120 over the Black River on SR 1558 in Harnett County; TIP Project B-4543; Federal Aid Project No. BRSTP-1558(2); Debit \$240 from WBS 33758.1.1.

References: Section 404 Nationwide Permits 23 & 12 issued March 12, 2012,
Action ID 2010-00334
Section 401 Water Quality Certification issued March 19, 2012,
Project No. 120219

The North Carolina Department of Transportation (NCDOT) has been advised of a safety issue at the existing bridge. Local farmers have informed the Division 6 office that their equipment routinely occupies both lanes of the roadway as they cross the bridge. The design for the new bridge incorporates a longer structure, and longer guardrail. As a result, this will increase the time that farming vehicles occupy both lanes as they travel over the bridge. The curve at the east end reduces the sight distance for oncoming motorists, thereby increasing the risk of accidents beyond that of the current situation.

After considering various options, NCDOT has concluded that additional clearing along the curve east of the bridge will be the best solution to the safety problem. This will be accomplished through mechanized clearing, and will need to be permanently maintained. The project as permitted included permanent fill in 0.05 acres of wetlands, excavation in 0.01 acres of wetlands and mechanical clearing in 0.03 acres of wetlands. The modified plans will increase the amount of mechanized clearing in wetlands to 0.24 acres (see attached revised impact summary sheet and permit drawings). Due to the increase in permanent impacts, the NCDOT proposes to use the N.C. Ecosystem Enhancement Program (EEP) to offset the total project impacts (0.05

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
NATURAL ENVIRONMENT SECTION
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

TELEPHONE: 919-707-6100
FAX: 919-212-5785

WEBSITE: WWW.NCDOT.ORG

LOCATION:
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610-4328

acres of fill, 0.01 acres of excavation and 0.24 acres of mechanized clearing). A copy of the EEP acceptance letter is attached.

This project calls for a letting date of November 20, 2012 and a review date of October 2, 2012; however, the let date may advance as additional funding becomes available.

Regulatory Approvals

Section 404 Permit: All aspects of this project are being processed by the Federal Highway Administration as a "Categorical Exclusion" in accordance with 23 CFR 771.115(b). The project was authorized by NWP 23 and NWP 12 for utility impacts. We are requesting a modification to the verification.

Section 401 Permit: The North Carolina Department of Environmental and Natural Resources, Division of Water Quality authorized this project under 401 General Certification numbers 3701 and 3819. We are providing five copies of this modification request to the NCDWQ for their approval. Authorization is given to debit \$240 from WBS 33758.1.1 for the application fee.

A copy of this permit modification request and its distribution list will be posted on the NCDOT website at <http://www.ncdot.org/doh/preconstruct/pe/neu/permit.html>.

If you have any questions or need additional information, please contact Gordon Cashin at (919) 707-6107.

Sincerely,



for

Gregory J. Thorpe, Ph.D., Manager
Project Development and Environmental Analysis Unit

cc

NCDOT Permit Application Standard Distribution List.



July 17, 2012

Mr. Gregory J. Thorpe, Ph.D.
Manager, Project Development and Environmental Analysis Unit
North Carolina Department of Transportation
1548 Mail Service Center
Raleigh, North Carolina 27699-1548

Dear Dr. Thorpe:

Subject: EEP Mitigation Acceptance Letter:

B-4543, Replace Bridge Number 120 on SR 1558 over the Black River, Harnett County

The purpose of this letter is to notify you that the Ecosystem Enhancement Program (EEP) will provide the compensatory riparian wetland mitigation for the subject project. Based on the information supplied by you on July 12, 2012, the impacts are located in CU 03030006 of the Cape Fear River basin in the Southern Inner Coastal Plain (SICP) Eco-Region, and are as follows:

Cape Fear 03030006 SICP	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	0	0.30	0	0	0	0

This impact and associated mitigation need were under projected by the NCDOT in the 2012 impact data. EEP will commit to implement sufficient compensatory riparian wetland mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies using the delivery timeline listed in Section F.3.c.iii of the N.C. Department of Environment and Natural Resources' Ecosystem Enhancement Program In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from EEP.

If you have any questions or need additional information, please contact Ms. Beth Harmon at 919-715-1929.

Sincerely,

Suzanne Klimek
EEP Acting Director

cc: Mr. Ronnie Smith, USACE – Wilmington Regulatory Field Office
Mr. David Wainwright, Division of Water Quality, Wetlands/401 Unit
File: B-4543

Restoring... Enhancing... Protecting Our State



PROJECT REFERENCE NO. B-4543	SHEET NO. 4
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ENGLISH

SITE 1

Permit Drawing
Sheet 2 of 10
revised 7/19/12



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15

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SEE ENLARGEMENT

SEE ENLARGEMENT

BOBBY W. POPE

JOEY T. JOHNSON, et al

ROBERT H. DIXON TRUSTEE

JOEY T. JOHNSON, et al

18" w/2 ELBOWS
ROD & LUG
W/SLEEVE GASKET

FILL IN
WETLANDS

EXCAVATE TO N.G.

CL. II RIP RAP
TO SHLDR PT. ELEV.
(STRUCTURE PAY ITEM)

-  DENOTES HAND CLEARING
-  DENOTES MECHANIZED CLEARING
-  DENOTES FILL IN WETLAND
-  DENOTES EXCAVATION IN WETLAND

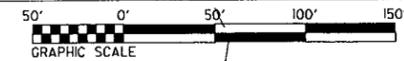
REVISIONS

DATE TIME

6/17/09

SITE 1

WETLAND/SURFACE WATER PERMIT DWG.



ENGLISH

PROJECT REFERENCE NO. B-4543	SHEET NO. 4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Permit Drawing
Sheet 3 of 10
revised 7/19/12

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SEE ENLARGEMENT

BOBBY W. POPE

JOEY T. JOHNSON, et al

EXCAVATE TO N.G.

1 1/2" W/2 ELBOWS
ROD & LUG
W/SLEEVE GASKET

FILL IN
WETLANDS

SR-1568 EBENEZER CH RD 20' BST

ROBERT H. DIXON TRUSTEE

CL II RIP RAP
TO SHLDR PT. ELEV.
(STRUCTURE PAY ITEM)

SEE ENLARGEMENT

JOEY T. JOHNSON, et al

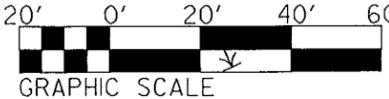
REVISIONS

-  DENOTES HAND CLEARING
-  DENOTES MECHANIZED CLEARING
-  DENOTES FILL IN WETLAND
-  DENOTES EXCAVATION IN WETLAND

6/17/09

SITE 1 ENLARGEMENT

WETLANDS/SURFACE WATER PERMIT DWG.
EXCAVATE TO N.G.



ENGLISH

PROJECT REFERENCE NO. B-4543	SHEET NO. ENLARGE
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

15" w/2 ELBOWS
ROD & LUG
W/SLEEVE GASKET

BEG. SHOULDER
BERM GUTTER
-L- 13+88 (LT)
END AT APP. SLAB

FILL IN
WETLANDS

2

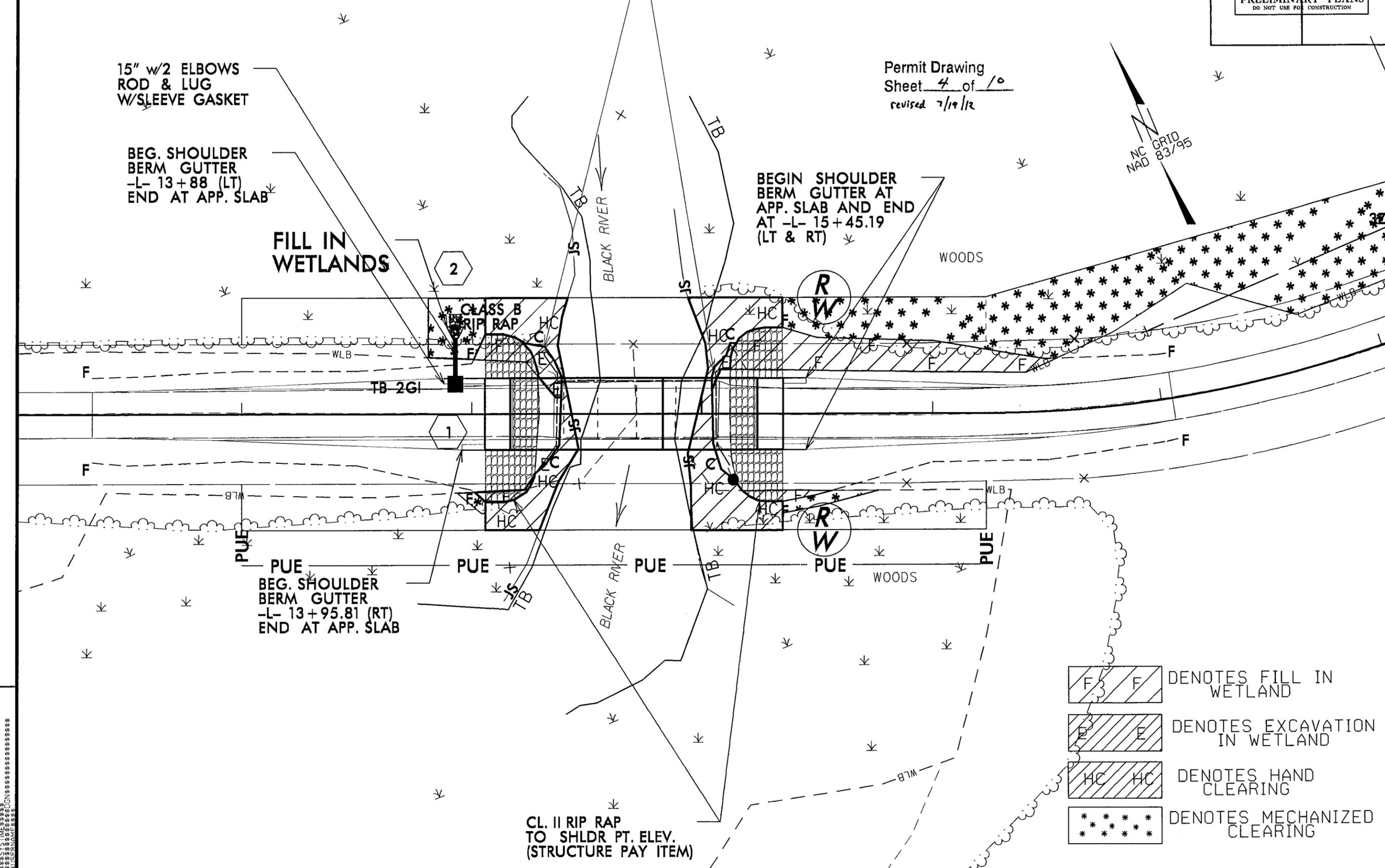
CLASS B
RIP RAP

BEGIN SHOULDER
BERM GUTTER AT
APP. SLAB AND END
AT -L- 15+45.19
(LT & RT)

Permit Drawing
Sheet 4 of 10
revised 7/19/12

NC GRID
NAD 83/95

WOODS



PUE
BEG. SHOULDER
BERM GUTTER
-L- 13+95.81 (RT)
END AT APP. SLAB

CL. II RIP RAP
TO SHLDR PT. ELEV.
(STRUCTURE PAY ITEM)

- DENOTES FILL IN WETLAND
- DENOTES EXCAVATION IN WETLAND
- DENOTES HAND CLEARING
- DENOTES MECHANIZED CLEARING

8/17/99

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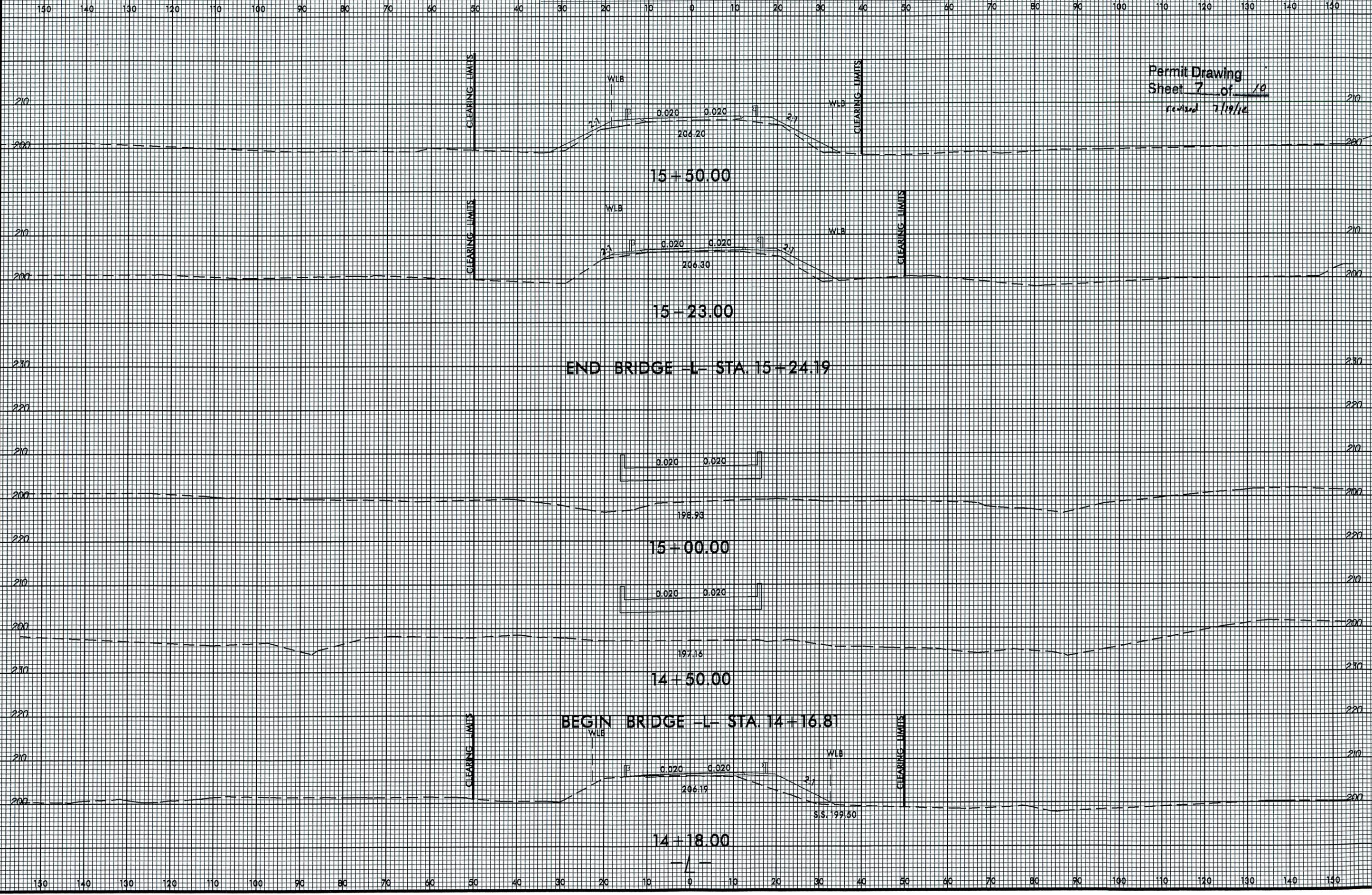
WETLAND/SURFACE WATER PERMIT DWG.



PROJ. REFERENCE NO. B-4543
SHEET NO. X-2

Permit Drawing
Sheet 7 of 10
revised 7/19/12

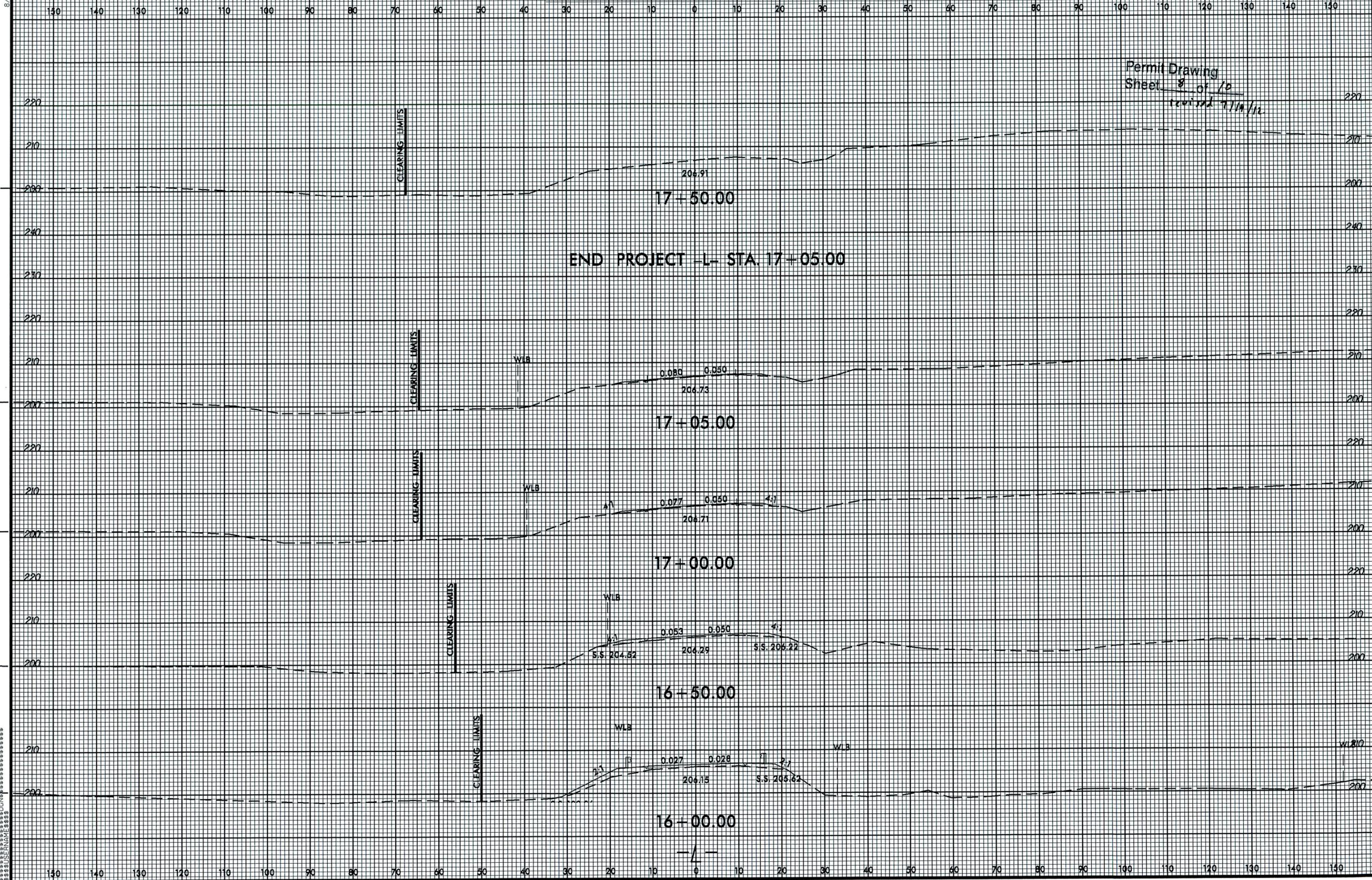
8/23/09
STATIONING
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WETLAND/SURFACE WATER PERMIT DWG.

8/23/99

Permit Drawing
Sheet 8 of 10
revised 7/18/12



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WETLAND PERMIT IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	13+81 TO 16+68 -L-	BRIDGE	0.05		0.01	0.03	0.07					
1	15+35 TO 19+00 -L-	CLEARING FOR SIGHT DISTANCE				0.21						
TOTALS:			0.05		0.01	0.24	0.07					

Additional Impacts Notes:
 12.41 SQ. FT. OF SURFACE WATERS IMPACTED DUE TO INTERIOR BENTS

Permit Drawing
 Sheet 10 of 10
revised 7/19/12

NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

HARNETT COUNTY
 WBS - 33758.1.1 (B-4543)