



PAT McCrory  
Governor

NICHOLAS J. TENNYSON  
Secretary

October 20, 2015

Wilmington Regulatory Field Office  
US Army Corps of Engineers  
69 Darlington Avenue  
Wilmington, North Carolina 28403

ATTN: Mr. Brad Shaver  
NCDOT Coordinator

Dear Sir:

**Subject: Request for Modification to Individual Section 404 and Section 401 Water Quality Certification** for the proposed improvements to NC 24 from 2.8 miles east of I-95 to SR 1853 (John Nunnery Rd.) in Cumberland County. Federal Aid Project No. STPNHF-F-8-2(17), TIP No. R-2303A. Debit \$570.00 from WBS 34416.

References: Section 404 Individual Permit signed December 20, 2012  
(SAW-1992- 03237)  
Section 401 Water Quality Certification issued September 24, 2012 (20120240)

The purpose of this letter is to submit corrected information for modification of the Clean Water Act (CWA) Section 404 Individual Permit (IP) and Section 401 Water Quality Certification for R-2303A.

NCDOT has determined that the wetland impacts at Site 8 of R-2303A were tabulated incorrectly in the application, and that additional excavation and mechanized land clearing need to be accounted for. Attached you will find revised plan sheets and summary sheets which show an additional 0.02 acre of excavation and 0.03 acre of mechanized land clearing. The total wetland impacts for the project are thereby increased by 0.05 acre. Site 8 involves riparian wetlands.

It is expected that mitigation for these additional impacts can be provided by the Privateer Farms Restoration Site. Please see the attached debit ledger for additional details.

This project is currently under construction.

### **Regulatory Approvals**

Section 404: We are hereby requesting the modification of the USACE Individual 404 Permit signed December 20, 2012 (SAW 1992-03237), for the above-described activities.

Section 401: We are hereby requesting a modification to the 401 Water Quality Certification from the NCDWQ issued September 24, 2012 (DWQ No.20120240). In compliance with Section 143-215.3D(e) of the NCAC, we will provide \$570.00 to act as payment for processing the Section 401 permit modification.





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A copy of this modification request and its distribution list will be posted on the NCDOT website at: <https://connect.ncdot.gov/resources/Environmental>

Thank you for your assistance with this project. If you have any questions or need additional information, please contact Gordon Cashin at 919-707-6107 or [gcashin@ncdot.gov](mailto:gcashin@ncdot.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'RWH', is written over a horizontal line.

*RWH* Richard W. Hancock, P.E., Manager  
Project Development and Environmental Analysis Unit

cc:

NCDOT Permit Application Standard Distribution List



**Privateer  
WM 026-005**

The Privateer Farms Restoration Site (Site) is located in Bladen and Cumberland Counties, North Carolina, approximately fourteen miles southeast of Fayetteville. Prior to restoration, land use on the Site over the past 20 years had been primarily row crop agriculture. Stream and riparian functions on the Site had been severely impacted as a result of agricultural conversion. Harrison Creek had historically meandered through the Site, but was channelized in the early 1980s to reduce flooding and provide a drainage outlet for the extensive network of ditches excavated across the Site. Subsequent to channelization, Harrison Creek existed as a large canal running straight through the Site.

Restoration activities for the Site involved moving the stream channel back to its historic location and elevation, and filling drainage ditches to raise the local water table and restore wetland and stream hydrology. The plan also included scarification of the fields and breaking of the local plow pan to increase surface water storage and provide a range of hydrologic conditions suitable for a variety of native wetland plant species. The restoration plan for the Site predicted the restoration of 405 acres of riverine wetlands, 25 acres of riverine wetland enhancement, and 33,985 linear feet (LF) of stream restoration. Following construction, the as-built data indicated that the total area of restored riverine wetlands was 402.5 acres (excluding 2.5 acres for road accesses), with 25 acres of enhanced riverine wetlands, and 34,005 LF of restored stream channel.

As of fall 2009, the Site has met all prescribed hydrologic and vegetative monitoring criteria and been recommended for closeout.

According NCDOT hydraulics, there will be an additional 0.05 acres of wetland impacts associated with the R-2303A project. The additional amount includes 0.02 acres of excavation and 0.03 acres of mechanized land clearing. The impacts will be debited at a 3:1 ratio equaling 0.15 acres of mitigation. These debits and credits are reflected in the following ledger.

HUC	Mitigation Type	Starting Amount	Additional Notes
3030004	Stream Restoration	25676	**Out of service area ratios: 1.5:1 ratio for stream impacts 3:1 for wetland impacts
3030004	Riparian Wetland Restoration	185.58	**Out of service area ratios: 1.5:1 ratio for stream impacts 3:1 for wetland impacts

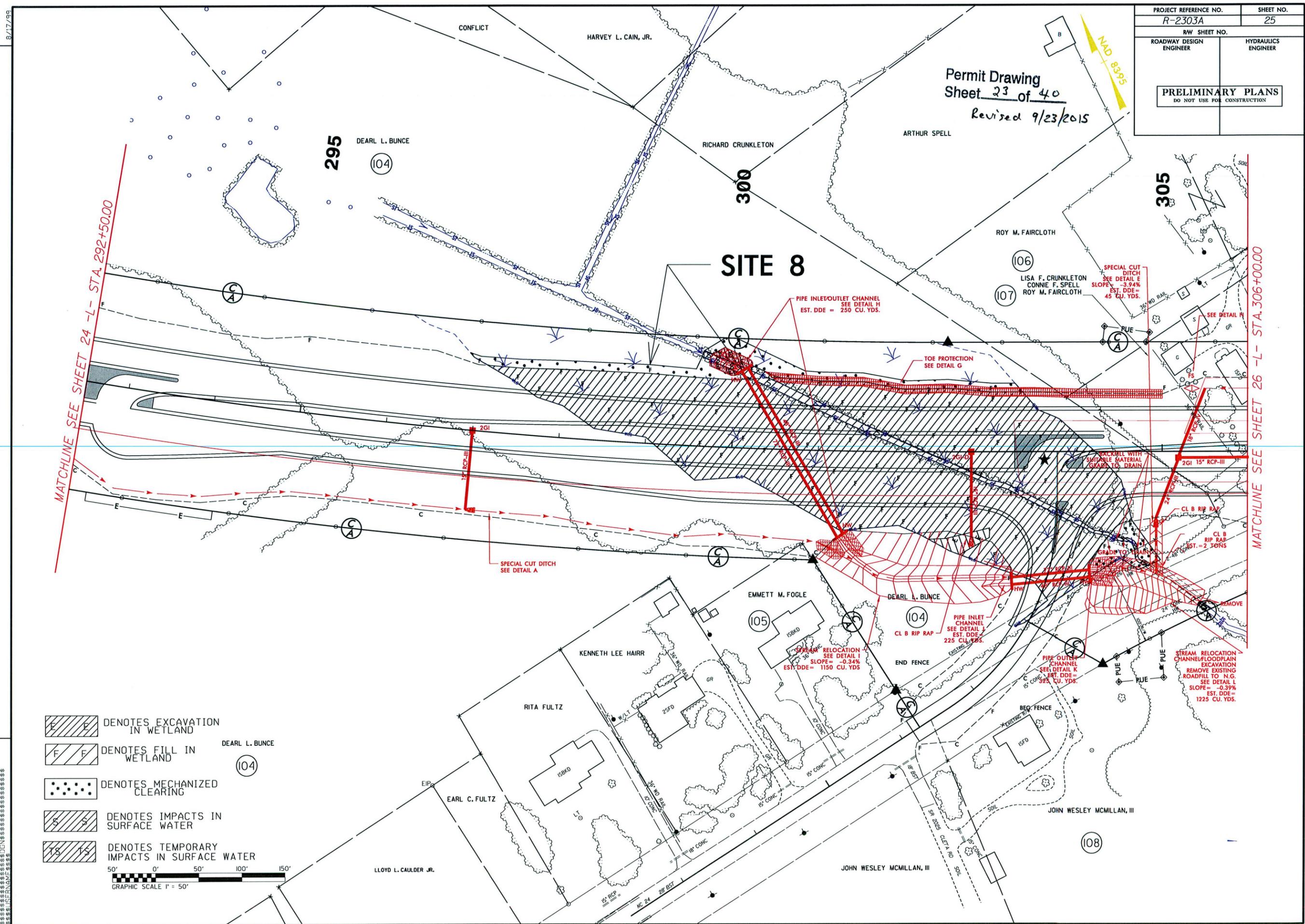
**Privateer  
WM 026-005**

Mitigation Type	Debit Amount (Ln.Ft.)	Status	Site TIP	Action ID#	Notes
Stream Restoration	19759.5	Close Out	U-2519	2008-01413	Debit amount includes all modification request including U-2519CB(5/15/14)
Stream Restoration	615	Close Out	U-2519 Mod	2008-01413	
Stream Restoration	627	Close Out	U-2519CA	Un-permitted	418 feet of impacts at 1.5:1 totaling 627 feet

Mitigation Type	Debit Amount (Ac.)	Status	Site TIP	Action ID#	Notes
Riparian Wetland Restoration	153.78	Close Out	U-2519	2008-01413	Debit amount includes all modification request including U-2519CB(5/15/14)
Riparian Wetland Restoration	1.29	Close Out	U-2519 Mod	2008-01413	
Riparian Wetland Restoration	7.38	Close Out	R-2303A	1992-03237	
Riparian Wetland Restoration	0.15	Close Out	R-2303A	1992-03237	Permit Modification @3:1 ratio

PROJECT REFERENCE NO. R-2303A	SHEET NO. 25
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

Permit Drawing  
Sheet 23 of 40  
Revised 9/23/2015



- DENOTES EXCAVATION IN WETLAND
  - DENOTES FILL IN WETLAND
  - DENOTES MECHANIZED CLEARING
  - DENOTES IMPACTS IN SURFACE WATER
  - DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DEARL L. BUNCE (104)
- GRAPHIC SCALE 1" = 50'

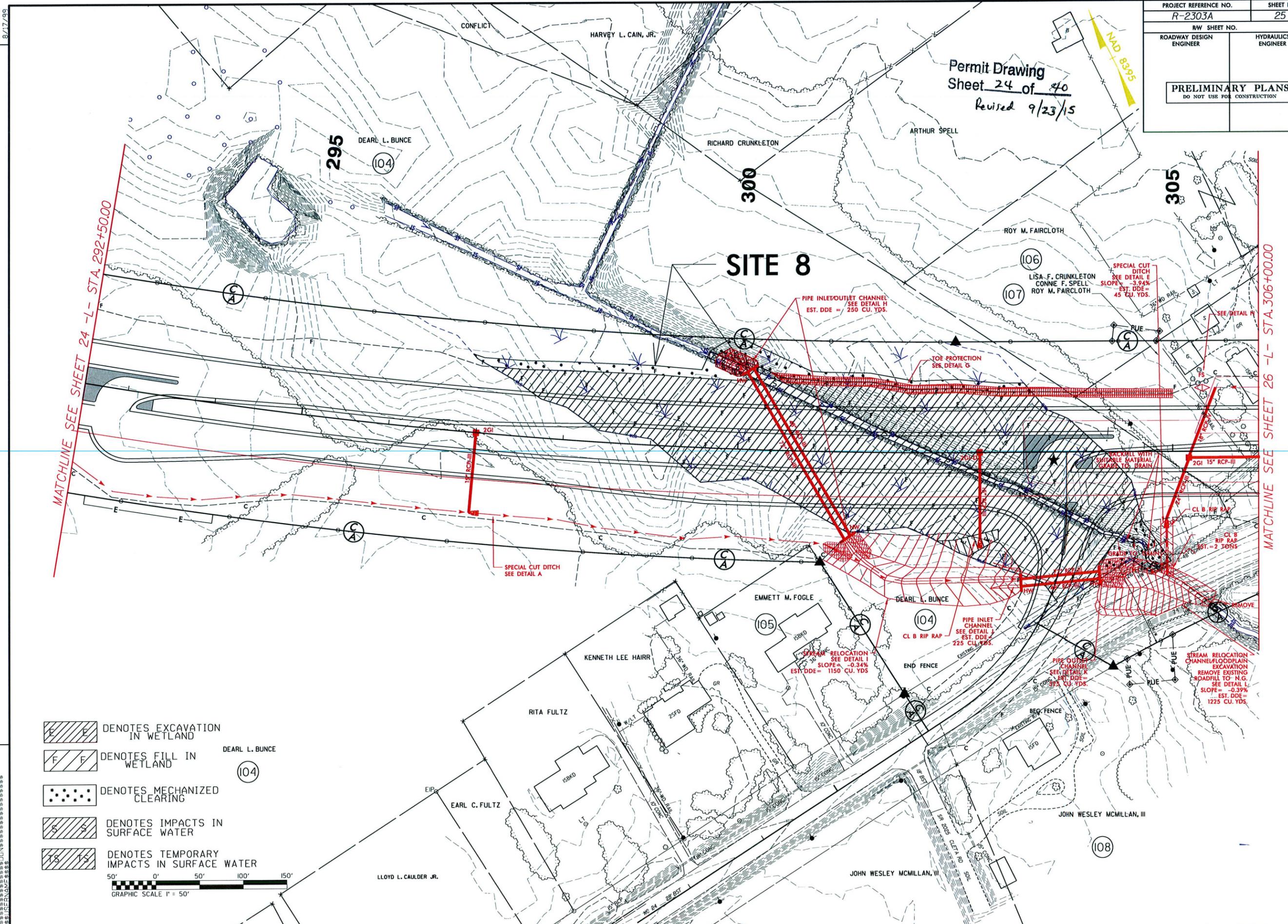
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REVISIONS

8/17/99

PROJECT REFERENCE NO. R-2303A	SHEET NO. 25
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	ENGINEER
<b>PRELIMINARY PLANS</b> DO NOT USE FOR CONSTRUCTION	

Permit Drawing  
 Sheet 24 of 40  
 Revised 9/23/15



8/17/99

REVISIONS

	DENOTES EXCAVATION IN WETLAND
	DENOTES FILL IN WETLAND
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	DENOTES TEMPORARY IMPACTS IN SURFACE WATER

DEARL L. BUNCE (104)

EMMETT M. FOGLE (105)

KENNETH LEE HAIR

RITA FULTZ

EARL C. FULTZ

LLOYD L. CAULDER JR.

JOHN WESLEY MCMILLAN, III (108)

JOHN WESLEY MCMILLAN, II

GRAPHIC SCALE 1" = 50'

50' 0' 50' 100' 150'

MATCHLINE SEE SHEET 24 -L- STA. 292+50.00

MATCHLINE SEE SHEET 26 -L- STA. 306+00.00

9/23/2015  
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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	69+45 to 70+63-L-RT.	Fill						0.16				
	70+93 to 72+81-L-RT	Fill						0.11				
2	73+00 to 85+00-L-	Fill	4.44			0.53						
3	ELIMINATED											
4	131+57 to 133+50-L- RT	Fill						0.18				
5	167+09 to 168+51-L- RT	Fill	0.04			0.03						
6	178+97 to 179+07-L- RT	Fill						0.02				
7	200+65 to 202+44-L-	Fill						0.24				
8	* 296+63 to 304+66-L-	Fill	2.03		0.04	0.23						
	300+06 to 305+40-L-	2*(1@72"&1@48")						0.08		531.00		
	304+40 to 304+51-L- LT	Bank Stablization						<0.01	<0.01	41.00	27.00	
<b>TOTALS:</b>			6.51		0.04	0.79		0.79	<0.01	572	27	

Site 1, 4 and 7 are Pond surface water impacts.

\*Site 8 Wetland sta. 296+63 -L- impact shown as a total take due to ditch. Additional impact outside of ditch is 0.02acres. Also, there will be 294 ft of stream relocation.

Permit Drawing  
Sheet 39 of 40  
Revised 9/23/15

NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

CUMBERLAND COUNTY  
WBS - 34416.1.1 (R-2303A)

