



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

June 14, 2007

**Addendum No. 2**

RE: Contract ID: C201568  
WBS# 34981.3.3  
F. A. # STP-1158 (4)  
Wilson County (U-3823A)  
SR-1158 (Airport Blvd.) From 0.2 Miles NE  
of NC-42 To 0.4 Miles SW of US-264A

**June 19, 2007 Letting**

To Whom It May Concern:

Reference is made to the Proposal Form recently furnished to you on this project.

The following revision has been made to the Proposal Form:

On Page No. 28A, the Project Special Provision entitled "Culvert Diversion Channel" has been added. Please void Page No. 28A in your proposal and staple the revised Page No. 28A thereto.

New Page Nos. 206 thru 218 have been added to include the application for the permit modification mentioned on Page No. 28A of this proposal. Please staple new Page Nos. 206 thru 218 after Page No. 205 in your proposal.

The Table of Contents has been revised to reflect the above noted changes. Please void the Table of Contents in your proposal and staple the revised Table of Contents thereto.

Sincerely,

A handwritten signature in black ink, appearing to read "R. A. Garris".

R. A. Garris, PE  
Contract Officer

Page 2

Contract ID #: C201568

WBS# 34981.3.3

Wilson County (U-3823A)

RAG/jag/blr

Attachment

cc: Mr. W. S. Varnedoe, PE  
Mr. E. C. Powell, PE  
Mr. R. E. Greene, PE  
Ms. D. M. Barbour, PE  
Mr. Art McMillan, PE  
Mr. J. V. Barbour, PE  
Mr. Mark Staley (2)  
Mr. Robert Memory  
Mr. R. E. Davenport, Jr., PE  
Ms. Norma Smith  
Ms. Marsha Sample  
Ms. Marsha Byrd  
Mr. Ronnie Higgins  
Ms. Taylor Mishoe  
Project File (2)

**TABLE OF CONTENTS**

**COVER SHEET  
PROPOSAL SHEETS**

<b><u>PROJECT SPECIAL PROVISIONS</u></b> (WHITE SHEETS)	<i>PAGE No.</i>
Contract Time and Liquidated Damages.....	1
Intermediate Contract Time.....	1-6
Major Contract Items.....	6
Specialty Items.....	7
Fuel Price Adjustment.....	7-8
Schedule of Estimated Completion Progress.....	8
Disadvantaged Business Enterprises.....	8-19
Certification for Federal-Aid Contracts.....	19
Contractor Licenses Requirements.....	20
U. S. Department of Transportation Hotline.....	20
Submission of Records – Federal-Aid Projects.....	20
Subsurface Information.....	20
Training Requirements.....	20
Twelve Month Guarantee.....	21
Outsourcing Outside U.S.A.....	21
Act of God.....	22
Erosion & Sediment Control / Storm Water Certification.....	22-27
Procedure for Monitoring Borrow Pit Discharge.....	27-28
Notes to Contractor.....	28
Permit Modification.....	28A
Culvert Diversion Channel.....	28A
Roadway.....	29-46
Traffic Control.....	47
Utility Construction.....	48-52
Utility Conflicts.....	53-54
Erosion Control.....	55-75
Signals and Intelligent Transportation Systems.....	76-99
Railroad Insurance.....	100-103
Project Special Provisions Structure.....	104-159
<b><u>PERMITS</u></b> (PINK SHEETS).....	160-218

**STANDARD SPECIAL PROVISIONS** (YELLOW SHEETS)

Availability of Funds – Termination of Contracts.....	1
General Seed Specification for Seed Quality.....	2-4
Errata.....	5-8
Plant and Pest Quarantines.....	9
Award of Contract.....	10
Minority and Female Employment Requirements.....	11-13
Required Contract Provisions Federal-Aid Construction Contracts.....	14-23
Training Special Provisions.....	24-26
Wage Rates.....	27-29

**PROPOSAL ITEM SHEET AND SIGNATURE SHEET**

- Item Sheets
- Signature Sheet (Bid Acceptance by Department)

**PERMIT MODIFICATION:**

The Contractor is hereby notified that no method of payment has been established for construction of the causeway required by the 404/401 permits included in this proposal. The Department has applied for a permit modification to remove the causeway construction requirements, and anticipates approval of same prior to the date of availability. Bids shall be submitted under the basis of no causeway construction being required.

Should the permit modification request be denied and causeway construction continue to be required, the Contractor shall construct same in accordance with the permit. Payment for the causeway will be made as provided in Article 104-7 of the Specifications, "Extra Work".

**CULVERT DIVERSION CHANNEL:****Description**

This work consists of constructing a *Culvert Diversion Channel* to divert the existing stream around the culvert removal site and between Proposed Bent No. 1 and No. 2 and within the area shown on the permit drawings as excavation for temporary diversion channel. This work includes constructing the diversion channel, disposing of excess materials, providing and placing filter fabric liner, maintaining the diversion area in an acceptable condition, removing filter fabric liner, backfilling the diversion channel area with suitable material, and providing proper drainage when the diversion channel area is no longer needed.

Filter fabric shall be furnished in accordance with Section 1056 of the Specifications.

**Construction Methods**

Provide the Engineer with a plan detailing the diversion channel dimensions and location for approval. Approximately match the width (20ft) and depth (4ft) of the existing channel. Grade the diversion channel according to the approved plan. The channel surface shall be free of obstructions, debris, and pockets of low-density material. Utilize suitable material and provide a disposal area for unsuitable material.

Line the channel with fabric unrolled in the direction of flow and lay smoothly but loosely on the soil surface without creases. Bury the top edge of the fabric in a trench at least 5" deep and tamp securely. Make vertical overlaps a minimum of 18" with upstream fabric overlapping the downstream fabric. Secure the fabric with eleven gauge wire staples shaped into a *u* shape with a length of not less than 6" and a throat not less than 1" in width. Place staples along outer edges and throughout the fabric a maximum of 3 ft. horizontally and vertically.

**Measurement and Payment**

No direct payment will be made for constructing and removing the culvert diversion channel as required above, as the cost of this work shall be included in the Lump Sum price bid for "Removal of Existing Structure". *Filter Fabric for Drainage* will be measured along the top surface of the completed fabric and will be paid for in accordance with Article 876-4 of the *Standard Specifications*. Payment for furnishing and installing filter fabric will be made at the contract unit price per square yard for "Filter Fabric for Drainage".

**DRAFT**

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

June 14, 2007

U. S. Army Corps of Engineers  
Regulatory Field Office  
Post Office Box 1000  
Washington, NC 27889-1000

Mr. William Wescott  
NCDOT Coordinator

Subject: **Application for the Modification of the Individual Section 404 and 401 permits, and Neuse River Riparian Buffer Authorization for TIP U-3823,** the proposed widening of Airport Boulevard (SR 1158) from NC 42 West to US 264 Alternate in Wilson, Wilson County; NCDOT Division 4. Federal Project No. STP-1158(2), State Project No. 8.2341801. Debit \$475 from WBS Element 34981.1.1.

References:

Section 404 Individual Permit Action ID 200020569  
Section 401 Individual Water Quality Certification Project No. 3550  
Neuse River Riparian Buffer Certification

Dear Sir:

Please reference previous applications and subsequent permits listed above, along with the attached revised drawings. The NCDOT has completed the "B" section of this project, which extends from US 264 Alternate to 0.4 mile south on Airport Boulevard (SR 1158). The "A" section extends from approximately 0.4 miles south of the intersection with Airport Boulevard, to NC 42.

Since the previous permit, in which both sections were permitted, there has been a design change for the project. The previous permit granted impacts to Waters of the US to four sites. Sites 3 and 4 are located in the "B" section, which has been constructed. Sites 1 and 2 remain in the "A" section and contain changes from the previous permitted impacts as described below:

Site 1 (44+95-45+55-L-)

There are NO changes to the amount of impacts for this site, however, the permit drawings have been clarified from "temporary impact in wetlands" to "temporary fill in wetlands".

# DRAFT

## Site 2 (77+25-91+55 -L-)

Due to a re-evaluation of the construction and phasing methods for the removal of the box culvert and replacement with a bridge, along with the relocation of utility and railroad signal control boxes, an increase to wetland impacts has occurred at this site.

NCDOT continues to propose to remove the 12'x 9' pentuple barrel culvert, and replace it with a 4-span, 205-foot cored slab bridge carrying Bloomery Swamp. However, to allow for a cleaner and expedited removal of the existing box culvert, NCDOT will remove the entire culvert at one time. To accommodate this removal, the total permanent impacts to wetlands have increased as shown in Table 1 below, and in the attached drawings.

These proposed activities have also increased the impacts to the Neuse River Riparian Buffer as summarized in Table 2 below, and shown in the attached drawings. These proposed buffer impacts are considered allowable due to bridging.

**Table 1: Summary of Changes to Wetland Impacts at Site 2**

	Permanent Fill in Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Temp Fill in Wetlands (ac)	Temp Fill in Surface Water (workpad) (ac)
Previously Permitted Impacts	0.547	0.001	0.299	0.118	0.066
Requested Modification	0.585	0.032	0.268	0.132	0.175
Difference	+0.038	+0.031	-0.031	+0.014	+0.109

**Table 2: Summary of Changes to Buffer Impacts at Site 2**

	Zone 1 Impacts (sq. ft.)	Zone 2 Impacts (sq. ft.)
Previously Permitted Impacts	7,871	5,029
Requested Modification	8,535	5,525
Difference	+664	+496

### Summary of Mitigation:

The North Carolina Ecosystem Enhancement Program (NCEEP) has previously provided 0.903 acre of mitigation for the proposed project under the previous permit. The permanent wetland impact for this project now totals 0.933 acre. NCDOT proposes to offset the additional 0.03 acre of additional impact for this project by using excess mitigation assets from a nearby NCDOT mitigation site within the same hydraulic unit code (03030203).

The Wiggins Mill Mitigation Site is located in Wilson County, south of the Wiggins Mill Reservoir and southwest of the City of Wilson. It encompasses approximately 89 acres. The site grading was completed in October 2000 and planted in March 2001. Copies of the

**DRAFT**

mitigation plan have been previously forwarded to the resource agencies. Additional copies of this mitigation plan will be provided upon request.

The site includes 84 acres of riverine wetland restoration, 5.3 acres of riverine wetland enhancement, 7,020 linear feet of stream restoration, and 11.31 acres of buffer restoration. It initially served as mitigation for U-3472 and R-1023 and has since been debited for R-1023AB & B. To offset 0.03 acre of unavoidable impacts to riverine wetlands for this project the site will be debited 0.06 acre of riverine wetland restoration. These debits are reflected in table 3 below.

**Table 3: Wiggins Mill Mitigation Debit Ledger w/ Residual Assets**


Mitigation Type	Original Mitigation	Debit for TIP R-1023	Debit for TIP U-3472	Debit for TIP R-1023 AB & B	Debit for TIP U-3823A	Remaining Residual Assets
Riverine Wetland Restoration (acres)	84	70.6	0.44		0.06	12.9
Riverine Wetland Enhancement (acres)	5.3					5.3
Buffer (acres)	11.31		4.75			6.56
Stream Restoration (feet)	7,020	2,380	1,109	2,284		1,247

### REGULATORY APPROVALS

A modification is hereby requested for the Department of the Army for a Section 404 Individual Permit (reference action ID 200020569), a modification to the Section 401 Individual Water Quality Certification (reference certification no. 3550), and a modification to the Neuse River Buffer Certification (reference certification no. 3550), for the above described activities. In compliance with Section 143-215.3D(e) of the NCAC, we will provide \$475.00 to act as payment for processing the Section 401 permit application previously noted in this application (debit WBS element 34981.1.1). We are providing five copies of this application to the North Carolina Department of Environment and Natural Resources, Division of Water Quality.

Thank you for your assistance with this project. If you have any questions or need additional information, please contact Mr. Michael Turchy at [maturchy@dot.state.nc.us](mailto:maturchy@dot.state.nc.us) or (919) 715-1468. A copy of this application will also be posted at <http://www.ncdot.org/doh/preconstruct/pe/neu/Permit.html>.

Sincerely,



for

Gregory J. Thorpe, Ph.D., Environmental Management Director  
Project Development and Environmental Analysis Branch

W/attachment

Mr. John Hennessy, NCDWQ (5 Copies)  
Mr. Travis Wilson, NCWRC  
Ms. Kathy Matthews, USEPA  
Mr. Ronald Mikulak, USEPA – Atlanta, GA  
Mr. Clarence W. Coleman, P.E., FHWA  
Mr. Gary Jordan, USFWS  
Mr. Michael Street, NCDMF  
Mr. Ron Sechler, NMFS  
Dr. David Chang, P.E., Hydraulics  
Mr. Greg Perfetti, P.E., Structure Design  
Mr. Victor Barbour, P.E., Project Services Unit  
Mr. Mark Staley, Roadside Environmental  
Mr. Richard E. Greene, P.E. Div. 4 Engineer  
Mr. Jamie Guerrero, Div. 4 Environmental Officer

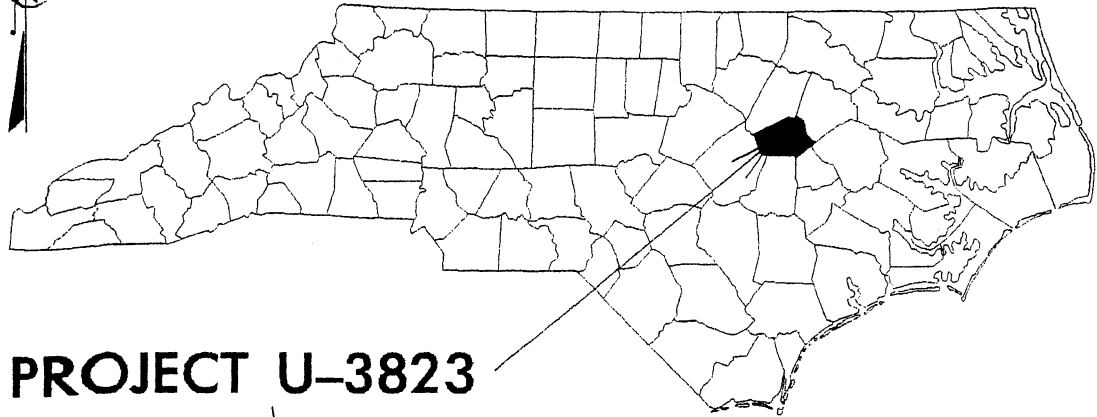
W/o attachment

Mr. Scott McLendon, USACE, Wilmington  
Mr. Jay Bennett, P.E., Roadway Design  
Mr. Majed Alghandour, P. E., Programming and TIP  
Mr. Art McMillan, P.E., Highway Design  
Ms. Beth Harmon, EEP  
Mr. Todd Jones, NCDOT External Audit Branch  
Ms. Beth Smyre, PDEA  
Mr. Carl Goode, PE, Human Environment Unit

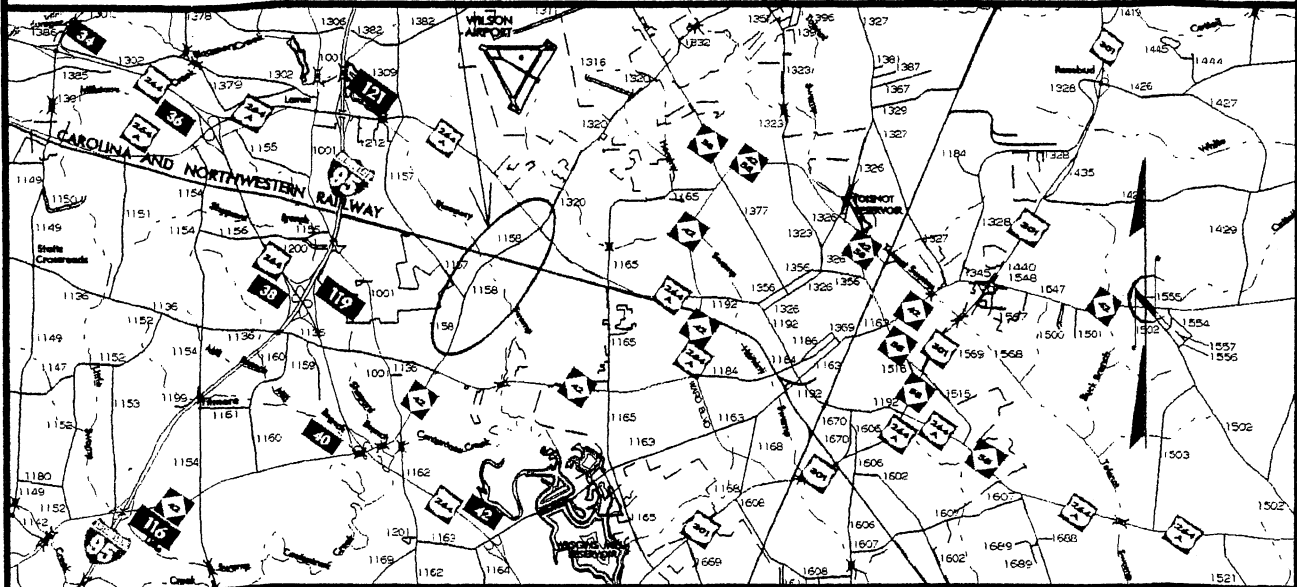


# WETLAND DRAWINGS

## NORTH CAROLINA



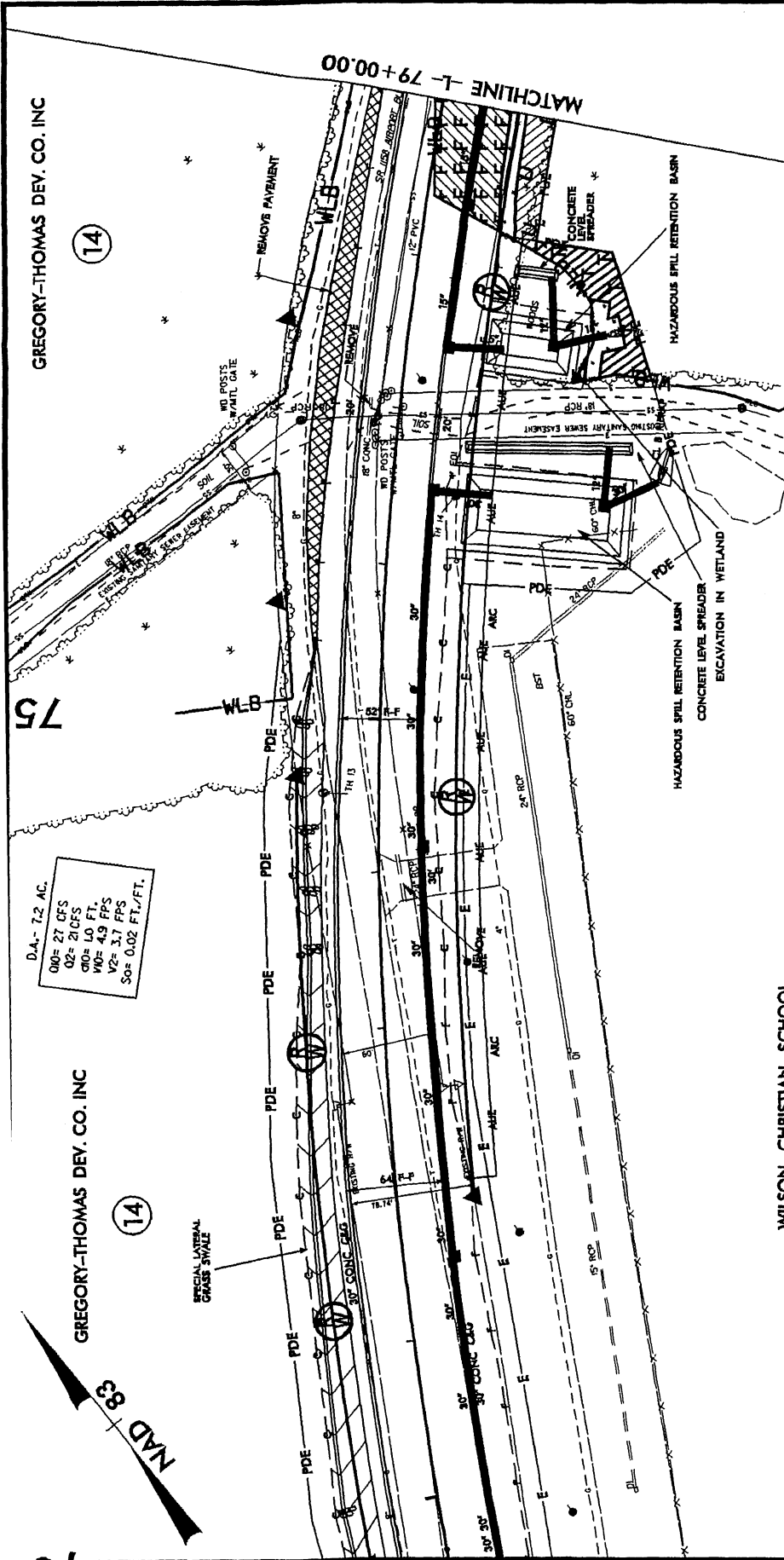
## PROJECT U-3823



## VICINITY MAP

N.C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
WILSON COUNTY  
U-3823  
SR 1158 (AIRPORT BLVD.) FROM  
EAST OF NC 42 TO EAST  
OF US 264-A  
DATE: APRIL 2007  
SHEET 1 OF 15





D.A. = 7.2 AC.  
 Q10 = 27 CFS  
 Q2 = 21 CFS  
 Q10 = 1.0 FT.  
 V2 = 4.9 FPS  
 V2 = 3.7 FPS  
 S0 = 0.02 FT./FT.






N.C. DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 WILSON COUNTY  
 U-3823  
 SR 1158 (AIRPORT BLVD.) FROM  
 EAST OF NC 42 TO EAST  
 OF US 264-A  
 DATE: APRIL 2007  
 SHEET 6 OF 15

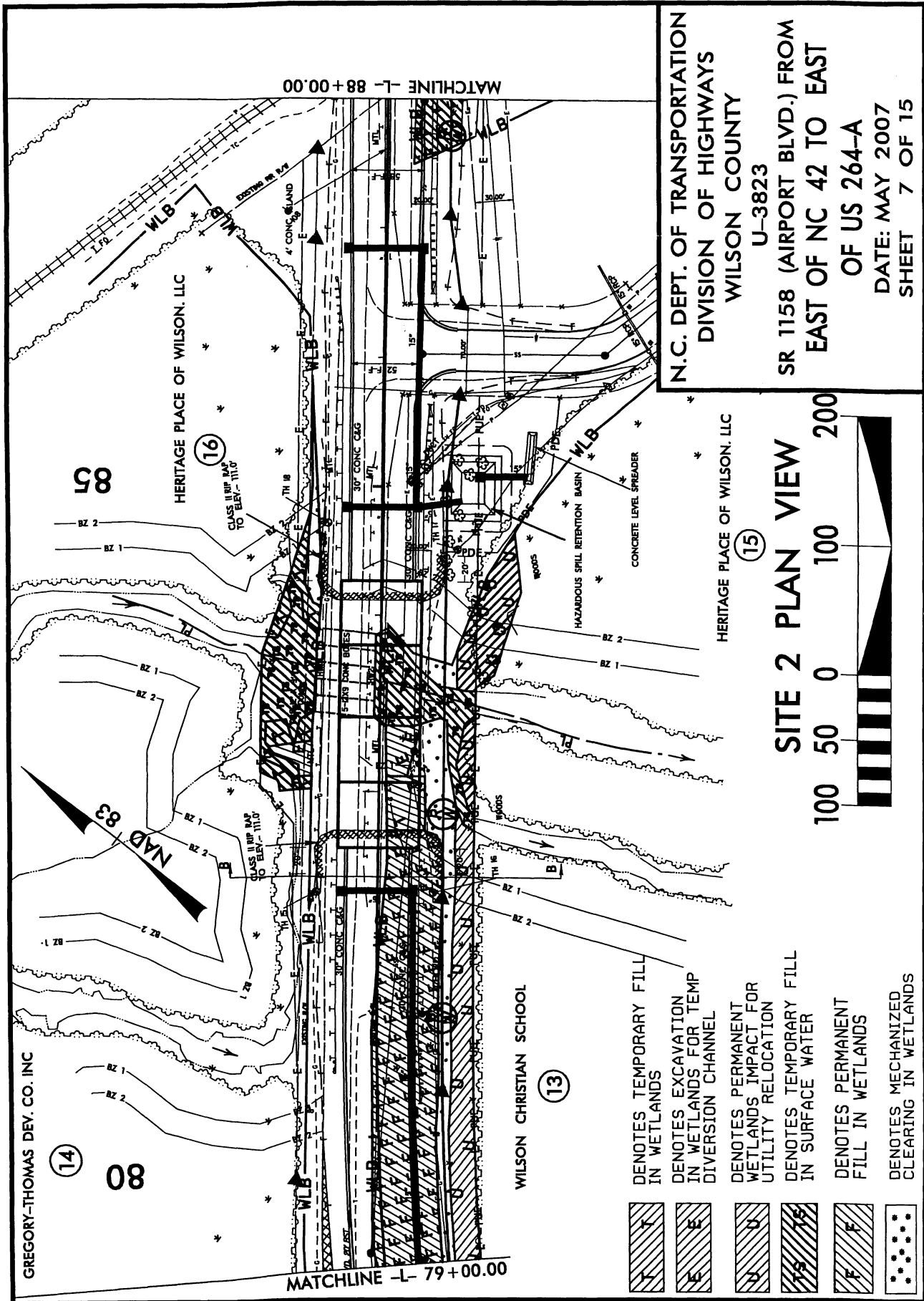
**SITE 2  
 PLAN VIEW**



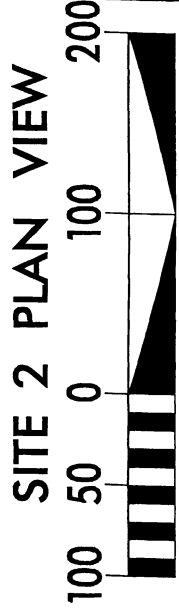
(13)

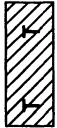




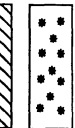
WILSON CHRISTIAN SCHOOL

-  DENOTES PERMANENT FILL FOR UTILITIES
-  DENOTES TEMPORARY FILL IN WETLANDS
-  DENOTES EXCAVATION IN WETLANDS
-  DENOTES PERMANENT FILL IN WETLANDS
-  DENOTES MECHANIZED CLEARING IN WETLANDS



N.C. DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 WILSON COUNTY  
 U-3823  
 SR 1158 (AIRPORT BLVD.) FROM  
 EAST OF NC 42 TO EAST  
 OF US 264-A  
 DATE: MAY 2007  
 SHEET 7 OF 15



-  DENOTES TEMPORARY FILL IN WETLANDS
-  DENOTES EXCAVATION IN WETLANDS FOR TEMP DIVERSION CHANNEL
-  DENOTES PERMANENT WETLANDS IMPACT FOR UTILITY RELOCATION
-  DENOTES TEMPORARY FILL IN SURFACE WATER
-  DENOTES PERMANENT FILL IN WETLANDS
-  DENOTES MECHANIZED CLEARING IN WETLANDS

GREGORY-THOMAS DEV. CO. INC

14

80

MATCHLINE -L- 79+00.00

WILSON CHRISTIAN SCHOOL

13

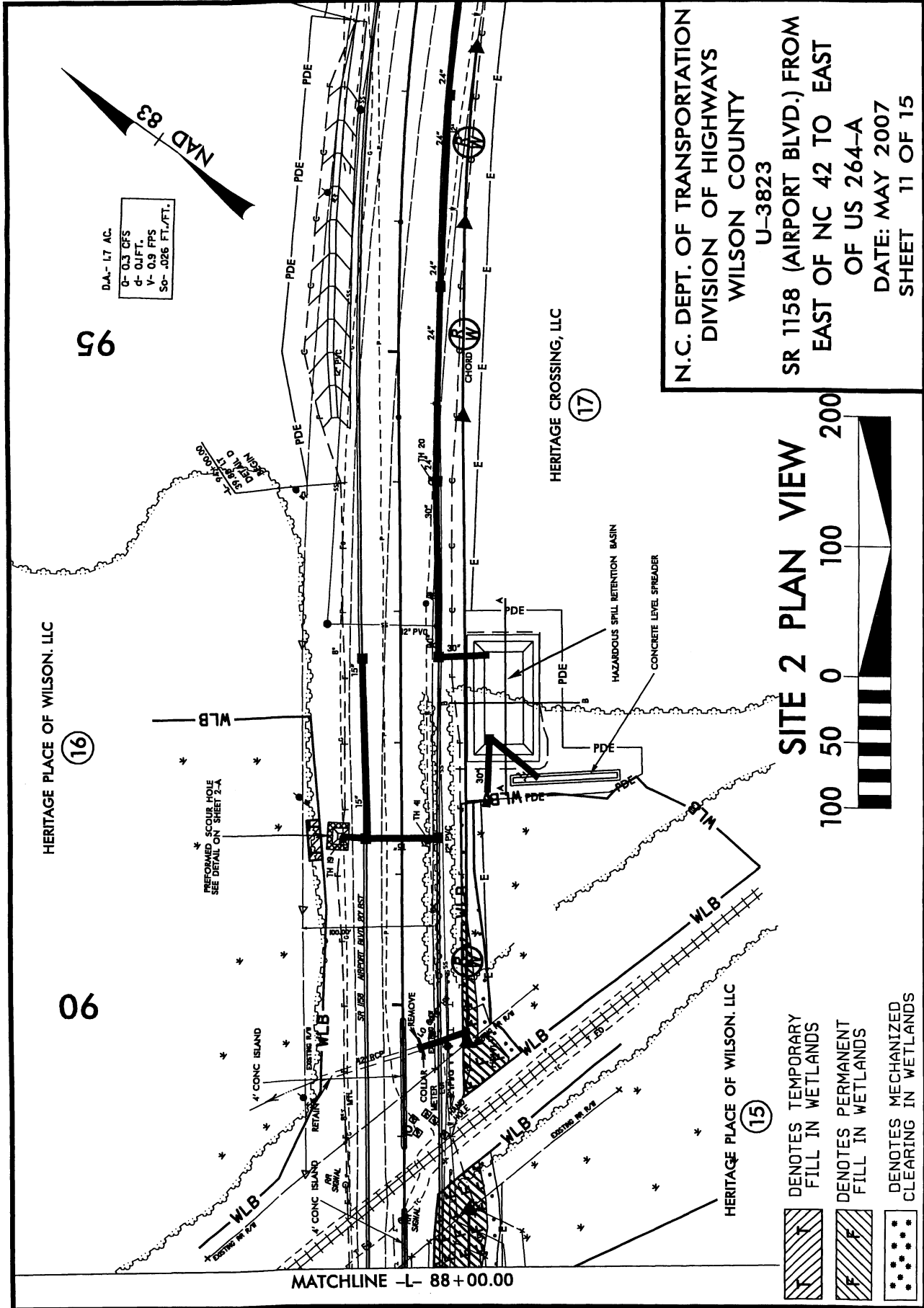
HERITAGE PLACE OF WILSON, LLC

15

HERITAGE PLACE OF WILSON, LLC

16

MATCHLINE -L- 88+00.00



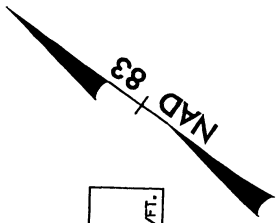
HERITAGE PLACE OF WILSON, LLC

16

06

95

D.A. - 1.7 AC.  
 0- 0.3 CFS  
 4- 0.1 FT.  
 V- 0.9 FPS  
 S0- .026 FT./FT.

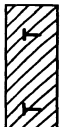

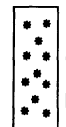


HERITAGE CROSSING, LLC

17

HERITAGE PLACE OF WILSON, LLC

15

-  DENOTES TEMPORARY FILL IN WETLANDS
-  DENOTES PERMANENT FILL IN WETLANDS
-  DENOTES MECHANIZED CLEARING IN WETLANDS

SITE 2 PLAN VIEW



N.C. DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 WILSON COUNTY  
 U-3823  
 SR 1158 (AIRPORT BLVD.) FROM  
 EAST OF NC 42 TO EAST  
 OF US 264-A  
 DATE: MAY 2007  
 SHEET 11 OF 15

MATCHLINE -L- 88 + 00.00

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)	Temp. Impacts (ac)	Hand Clearing in Wetlands (ac)	Permanent Fill in SW (ac)	Temp. Fill in SW (ac)	Existing Channel Impacts Permanent (ft)	Natural Stream Design (ft)
1	44+95-45+55 -L-	2 @ 60" RCP 2 @ 50' 1" @ 55' 1" @ 50' 21" PRESTRESSED CORED SLAB	0.022	0.027	0.010	0.016			0.028		82	
2	77+25-91+55 -L-	O.A.L. 205'	0.547	0.132	0.032	0.269				0.175		
3	114+90-115.20 -L-											
4	126+79 -L-	18" RCP		0.010					0.001		7	
TOTALS:			0.569	0.169	0.042	0.285			0.029	0.175	89	

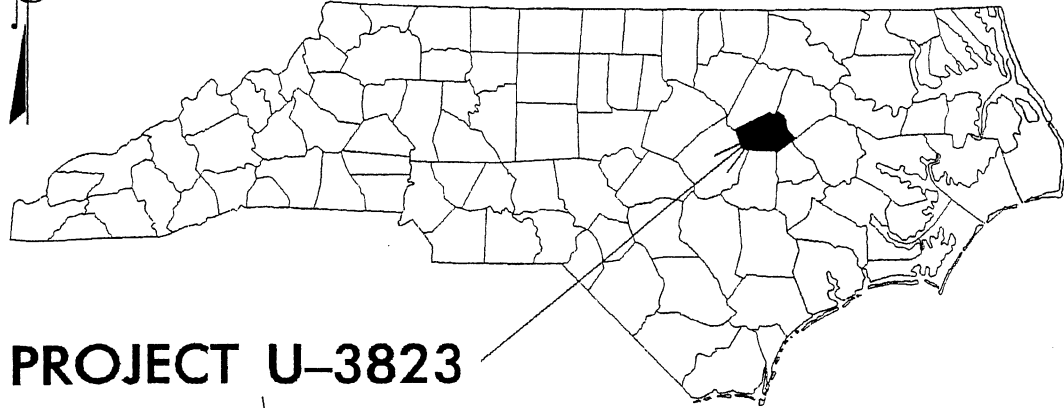
N.C. DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 WILSON COUNTY  
 U-3823  
 SR 1158 (AIRPORT BLVD.) FROM  
 EAST OF NC 42 TO EAST  
 OF US 264-A  
 DATE: APRIL 2007  
 SHEET 14 OF 15

SITE 2 CONTAINS 0.262 ACRE OF PERMANENT WETLAND IMPACT FOR UTILITY RELOCATION  
 SITE 2 CONTAINS 0.06 ACRES OF SHADING

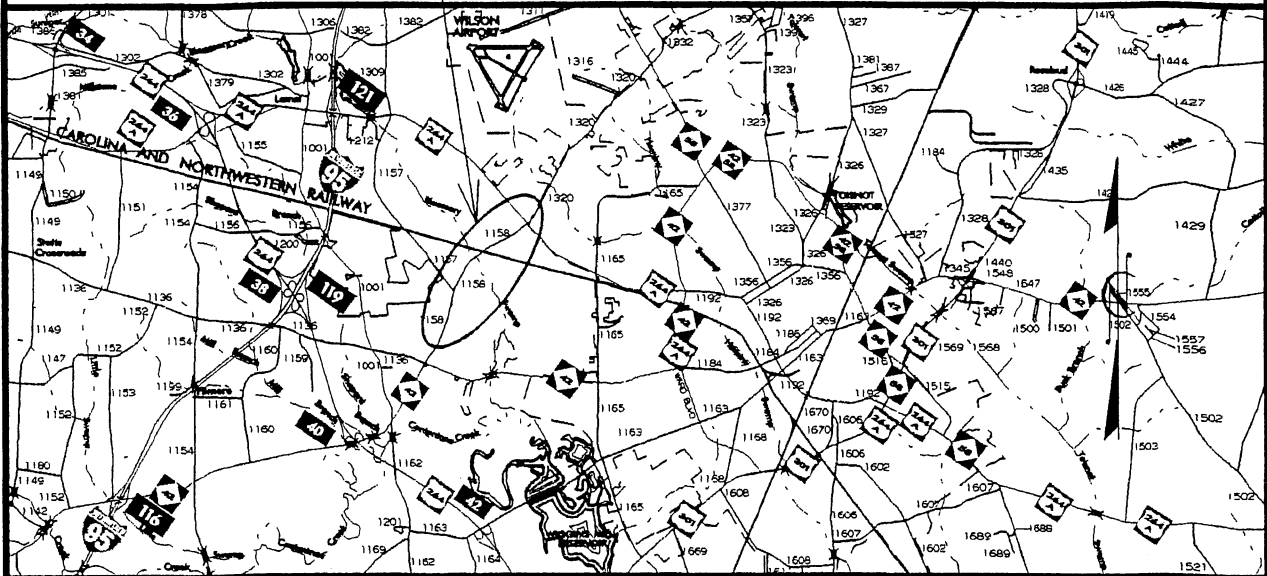
AN ADDITIONAL 0.001 ACRE OF PERMANENT FILL WILL OCCUR AT SITE 2 AS A RESULT OF BRIDGE BENT

# BUFFER DRAWINGS

## NORTH CAROLINA



## PROJECT U-3823



### VICINITY MAP

N.C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
WILSON COUNTY  
U-3823  
SR 1158 (AIRPORT BLVD.) FROM  
EAST OF NC 42 TO EAST  
OF US 264-A  
DATE: APRIL 2007  
SHEET 1 OF 8





