



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

December 22, 2005

U.S. Army Corps of Engineers  
Asheville Regulatory Field Office  
151 Patton Avenue, Room 143  
Asheville, NC 28801-5006

ATTN: Steve Lund  
NCDOT Coordinator

Dear Sir:

SUBJECT: APPLICATION FOR AN INDIVIDUAL PERMIT MODIFICATION AND  
EXTENSION FOR THE NORTH CHARLOTTE OUTER LOOP IN  
MECKLENBURG COUNTY, TIP NO. R-2248 BB/C/D, DEBIT WBS  
34410.1.14, 34410.1.20, 34410.1.22 \$475.00

On April 22, 2002, and September 6, 2001, respectively, the United States Army Corps of Engineers (USACE) 404 Individual Permit (**Action ID #200131321**) and the North Carolina Division of Water Quality (DWQ) 401 Water Quality Certification (**WQC #3328**) were issued for the subject project. These permits authorized the construction of Sections R-2248 BB, C, and D. The purpose of this correspondence is to request a permit modification for Sections D and BB and a permit extension.

**SECTION BB**

A permit modification is requested for Site 9 of Section BB (Appendix A). Site 9 consists of a pond that was drained for project construction. The permit called for the construction of a natural stream channel to replace the pond. Modifications to the permitted stream design plans were made at two locations during creation of the stream channel. At the first location, the original permit called for the placement of the stream channel through the middle of the former pond bed. During construction, it was found that equipment was unable to reach this location due to poor conditions – i.e. wet, soft soil. The stream channel was moved approximately 50 ft west – to the edge of the former pond. This adjustment created approximately 50 ft of additional stream length. At the second location, northwest of the roadway and the previous site, the permitted stream design was flipped because the diversion channel was inadvertently placed in the location called for in the original plan (Appendix A: Sheet 29).

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

TELEPHONE: 919-715-1500  
FAX: 919-715-1501  
WEBSITE: [WWW.NCDOT.ORG](http://WWW.NCDOT.ORG)

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

At the site meeting on June 21, 2005, between the USACE, DWQ, and NCDOT, it was agreed that no permit modification was needed for the 404 Individual Permit as long as recommendations made at the meeting were followed.

#### SECTION D

A permit modification is requested for Site 6 of Section D (Appendix B). Site 6 is located on Harris Boulevard and includes a reinforced concrete box culvert (RCBC) that channels Dixon Creek under the roadway. A culvert extension of 6.75 m (22.15 ft) is required to accommodate the widened typical section (Appendix C).

#### PERMIT EXTENSION

As stated above, on April 22, 2002, and September 6, 2001, respectively, the USACE 404 Individual Permit and the NCDWQ 401 Water Quality Certification were issued for the subject project. The permits were modified on September 19, 2003. Table 1 shows the construction schedule for each section.

Table 1: Construction Schedule

Site	Date Let	Anticipated Completion Date
R-2248 BB	6/18/02	8/14/06
R-2248 C	7/16/02	7/15/06
R-2248 D	10/21/03	8/10/07

As indicated in the table, project construction is estimated to be completed on all three sections by October 2007. These permits expire December 31, 2005. NCDOT requests that both permits be extended until December 31, 2008. All environmental commitments and special conditions will continue to be followed throughout project construction. If you have any questions or need any additional information, please contact Mr. Chris Manley at (919) 715-1487.

Sincerely,

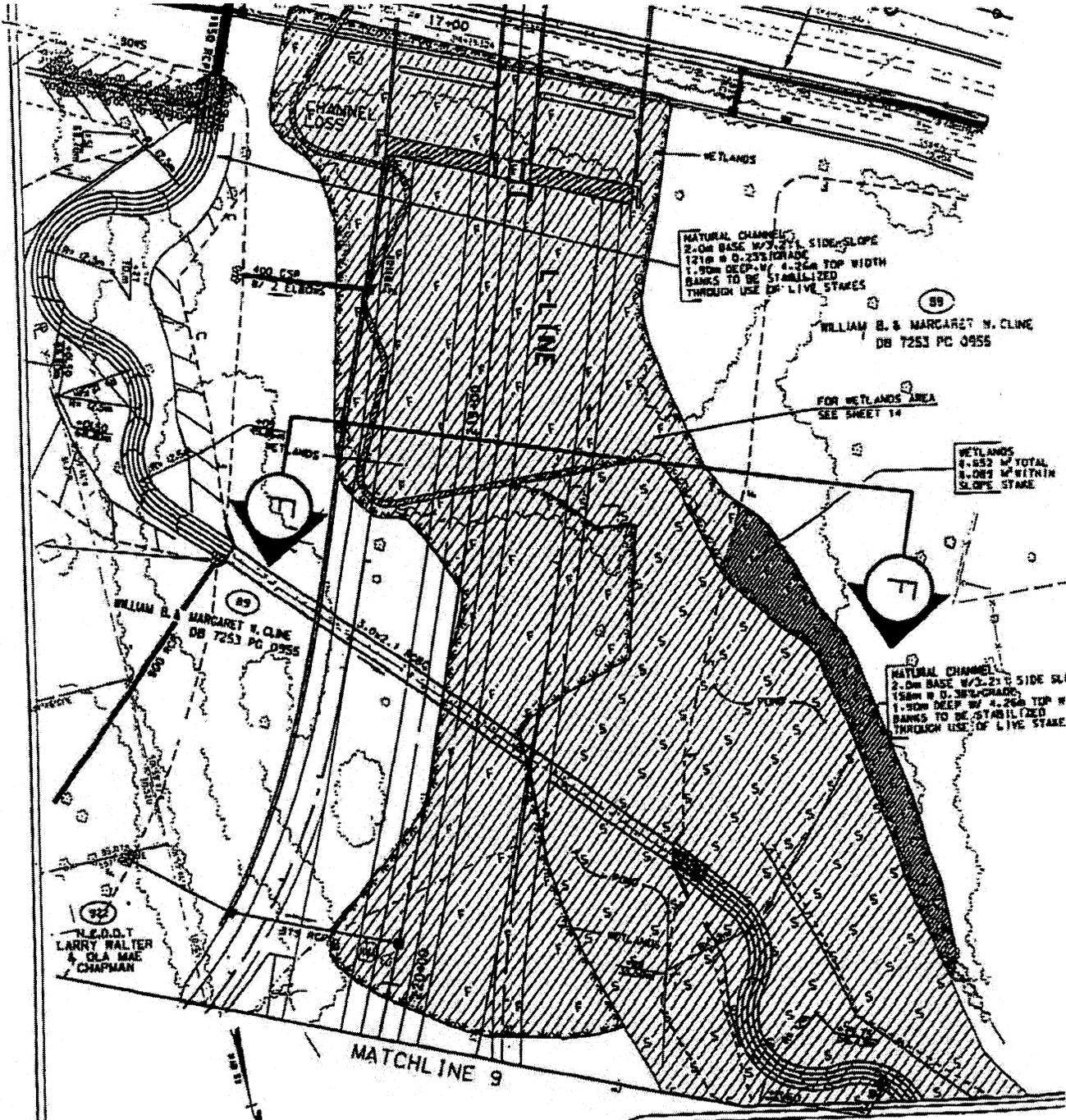
  
Gregory J. Thorpe, Ph.D.  
Environmental Management Director  
Project Development and Environmental Analysis Branch

#### The "cc" List:

Mr. John Hennessy, NCDWQ  
Mr. B. G. Payne, P.E., Division 10 Engineer  
Mr. M.L., Holder, P.E., Division 12 Engineer  
Mr. Larry Thompson, Division 10 Environmental Officer  
Ms. Trish Simon, Division 12 Environmental Officer  
Mr. Todd Jones, NCDOT External Audit Branch

# **Appendix A**

Original Plan Drawings for Site 9 of Section BB



NATURAL CHANNEL  
 2.0M BASE W/3:2:1 SIDE SLOPE  
 121M W 0.25% GRADE  
 1.90M DEEP W/ 4.25M TOP WIDTH  
 BANKS TO BE STABILIZED  
 THROUGH USE OF LIVE STAKES

85  
 WILLIAM B. & MARGARET N. CLINE  
 DB 7253 PC 0955

FOR WETLANDS AREA  
 SEE SHEET 14

WETLANDS  
 4.652 M<sup>2</sup> TOTAL  
 8.025 M<sup>2</sup> WITHIN  
 SLOPE STAKE

85  
 WILLIAM B. & MARGARET N. CLINE  
 DB 7253 PC 0955

87  
 N.E.D.O.T.  
 LARRY WALTER  
 & OLA MAE  
 CHAPMAN

87  
 NATURAL CHANNEL  
 2.0M BASE W/3:2:1 SIDE SLOPE  
 150M W 0.25% GRADE  
 1.90M DEEP W/ 4.25M TOP W  
 BANKS TO BE STABILIZED  
 THROUGH USE OF LIVE STAKE

MATCHLINE 9

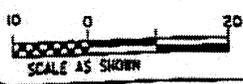
# PLAN VIEW SITE 9

- LEGEND**
- WETLANDS
  - DENOTES FILL IN WETLANDS
  - DENOTES EXCAVATION IN WETLANDS
  - DENOTES FILL IN SURFACE WATER



**NORTH CAROLINA  
 DEPARTMENT OF HIGHWAYS**

MECKLENBURG COUNTY  
 8.UG72205 (R-22488B)  
 WEST CHARLOTTE OUTER LOOP FROM NORTH OF US 29/7  
 (WILKINSON BOULEVARD) TO NORTH OF I-85



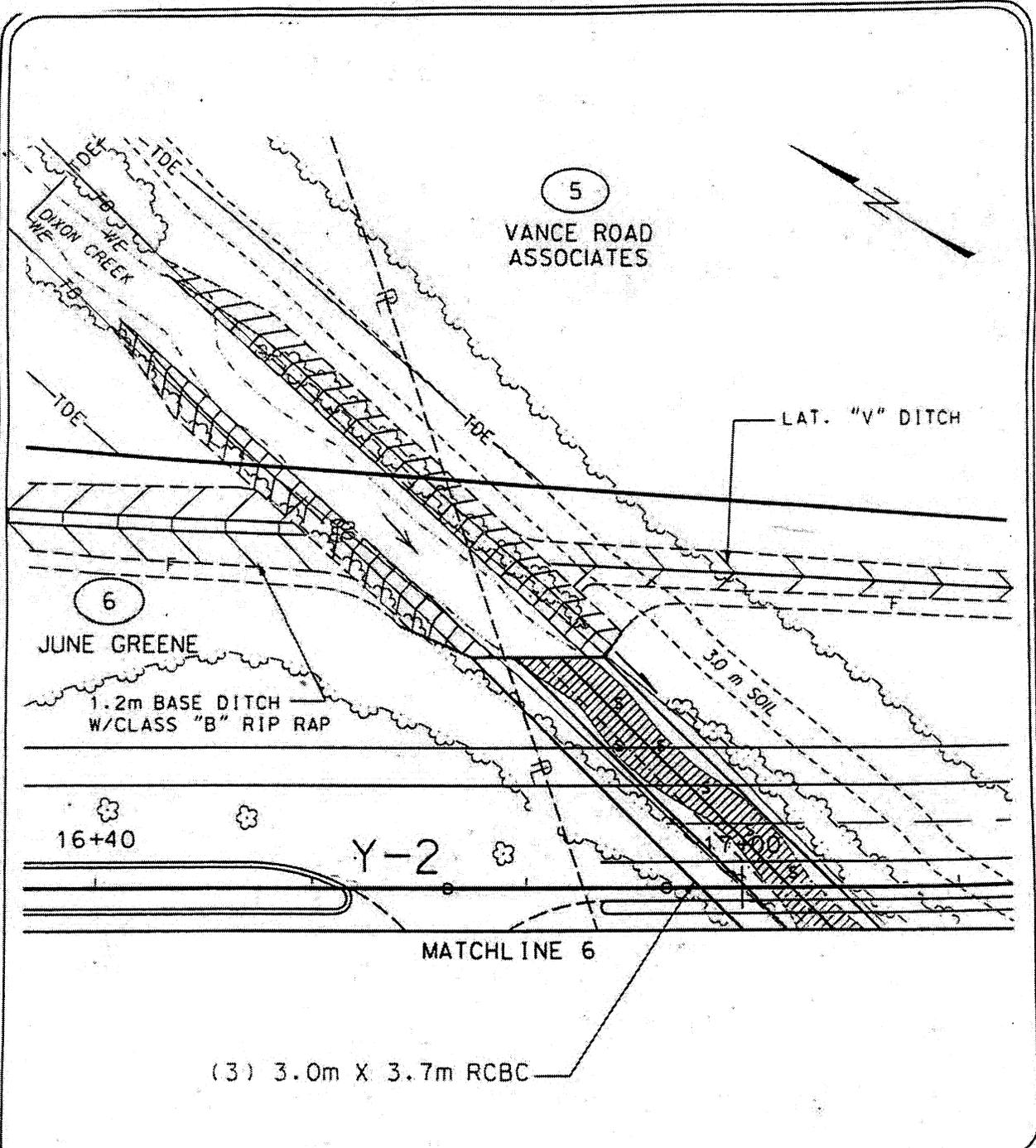
SHEET 29 OF 42

DRAWN BY: [unreadable]  
 CHECKED BY: [unreadable]  
 DATE: [unreadable]



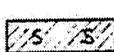
# **Appendix B**

Original Plan Drawings for Site 6 of Section D



**PLAN VIEW  
SITE 6**

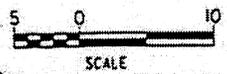
**LEGEND**

 DENOTES FILL IN SURFACE WATER



**NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS**

MECKLENBURG COUNTY  
8.J672214 (R-2248D)  
CHARLOTTE OUTER LOOP





# **Appendix C**

New Drawings for Site 6 of Section D

