



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

May 31, 2010

Mr. Andy Williams
U.S. Army Corps of Engineers
Regional Field Office
3331 Heritage Trade Drive, Suite 105
Wake Forest, NC 27587

SUBJECT: Revised permit application for U-3110 B for the SR 1311 (Cook Rd) Widening & Extension from SR 1909 (Westbrook Ave) to SR 1503 (Manning Ave) on NC 100 in Alamance County. Federal Aid Project Number STP-0701(7), Division 7, T.I.P No. U-3110B.

Dear Mr. Williams:

The permit application for U-3110 B was sent out on March 1, 2010. As of May 28, 2010, we have received the Section 404 permit and are awaiting the Section 401 permit. After the application was sent and during the review process by NC Division of Water Quality, there was a request for a slight change to be made to the drainage on the southeast side of NC 100 at Site 1. This revision reduced the number of outfalls and combined two drainage systems. The revision results in a better design to minimize impacts to water quality. There are no additional impacts due to this design change. Only the type of impact changed; 0.001 acres of impact changed from mechanized clearing to excavation. Therefore, no modification to the Section 404 permit is requested. Please replace permit sheets 2 of 7, 3 of 7, and 7 of 7 and plan sheet 9 with the revised sheets enclosed.

If you have any further question please contact Deanna Riffey at 919-431-1594.

Sincerely,

for 

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

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

TELEPHONE: 919-431-2000

FAX: 919-431-2001

WEBSITE: WWW.NCDOT.ORG

LOCATION:
4701 Atlantic Ave.,
Suite 116
Raleigh, NC 27604

cc:

w/Attachment


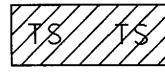


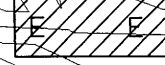
Mr. Brian Wrenn, NCDWQ (5 Copies)

W/o attachment (see website for attachments)

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. J. M. Mills, P.E., Division 7 Engineer
Mr. Jerry Parker, Division 7 Environmental Officer
Mr. Jay Bennett, P.E., Roadway Design
Mr. Majed Alghandour, P. E., Programming and TIP
Mr. Art McMillan, P.E., Highway Design
Ms. Karen Reynolds, PDEA Project Planning Engineer
Mr. Scott McLendon, USACE, Wilmington
Mr. Gary Jordan, USFWS
Mr. Travis Wilson, NCWRC
Ms. Beth Harmon, EEP
Mr. Phillip Ayscue, NCDOT External Audit Branch
Ms. LeiLani Paugh, NEU

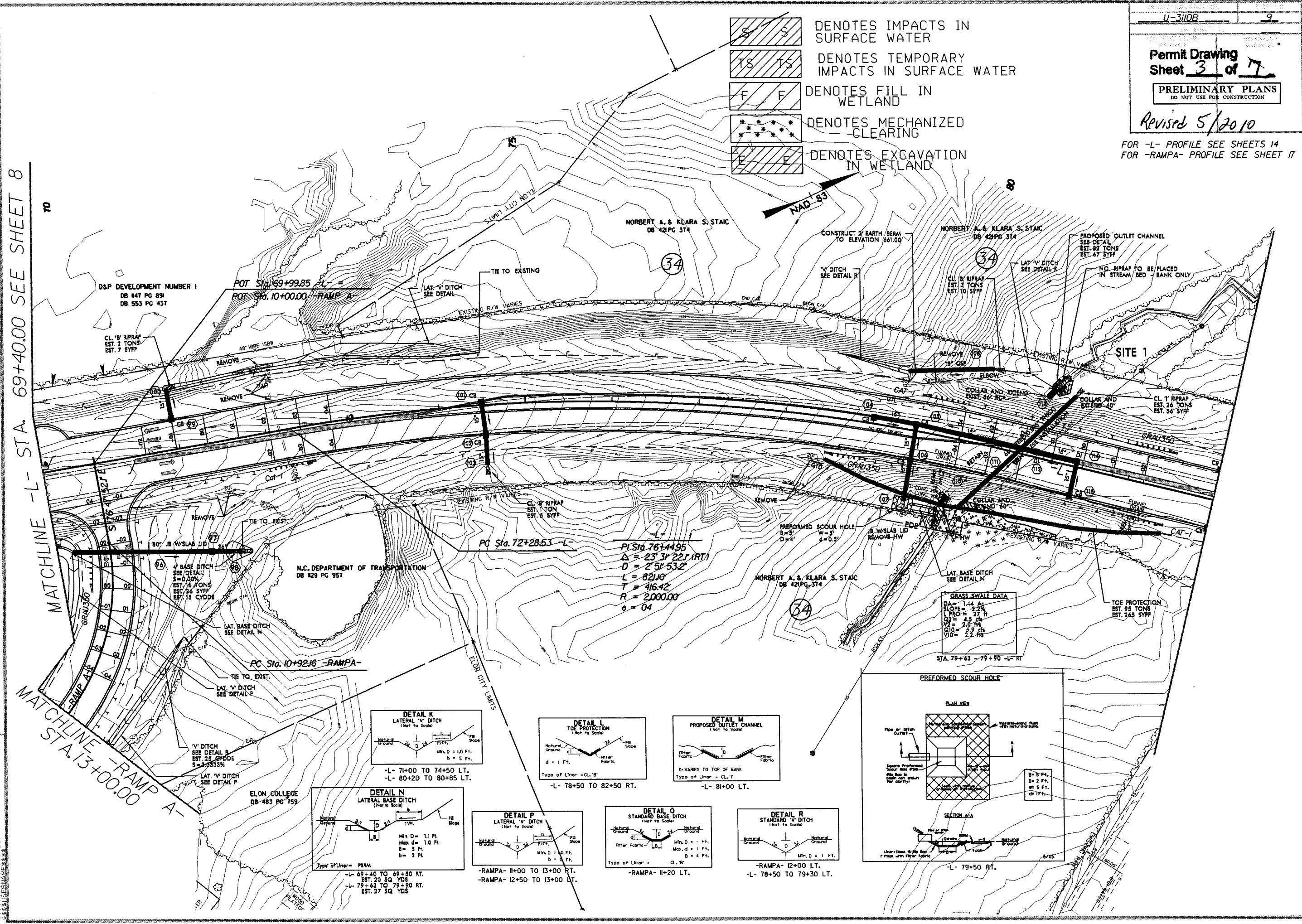
Revised 5/2010

FOR -L- PROFILE SEE SHEETS 14
FOR -RAMPA- PROFILE SEE SHEET 17

-  DENOTES IMPACTS IN SURFACE WATER
-  DENOTES TEMPORARY IMPACTS IN SURFACE WATER
-  DENOTES FILL IN WETLAND
-  DENOTES MECHANIZED CLEARING
-  DENOTES EXCAVATION IN WETLAND

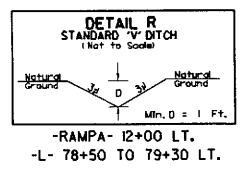
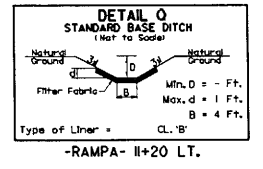
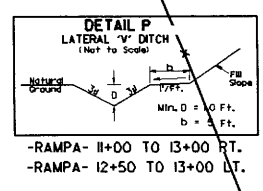
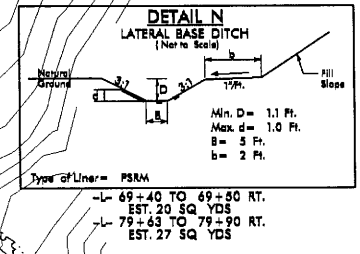
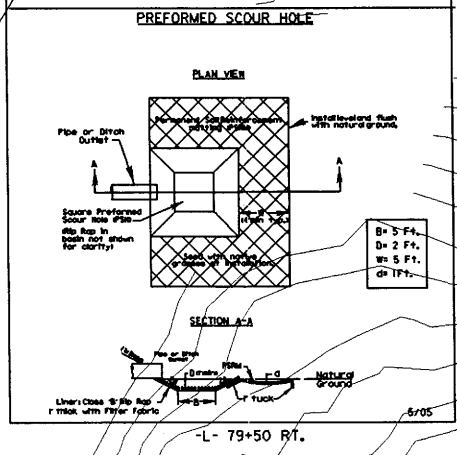
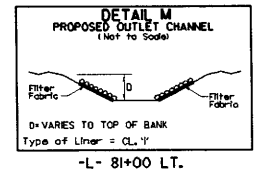
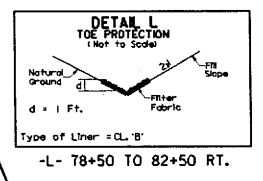
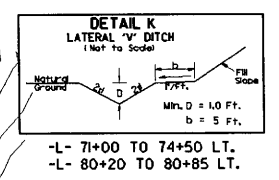
MATCHLINE -L- STA. 69+40.00 SEE SHEET 8

MATCHLINE -RAMPA- STA. 13+00.00



$PI\ STA. 76+44.95$
 $\Delta = 23^\circ 31' 22.1 (RT)$
 $D = 2^\circ 51' 53.2"$
 $L = 821.10'$
 $T = 416.42'$
 $R = 2000.00'$
 $e = 04'$

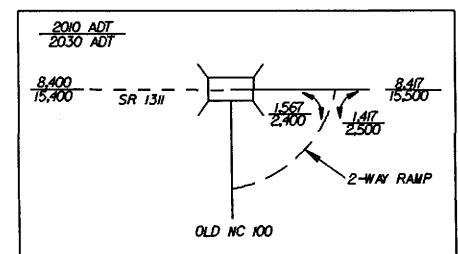
GRASS SWALE DATA
 $DA = 1.44\ AC$
 $KA = 2.27\ h$
 $L\ RUG = 27\ h$
 $CA = 4.5\ ch$
 $G10 = 2.5\ ch$
 $V10 = 2.2\ ch$
 STA. 79+43 TO 79+90 -L- RT



REVISIONS

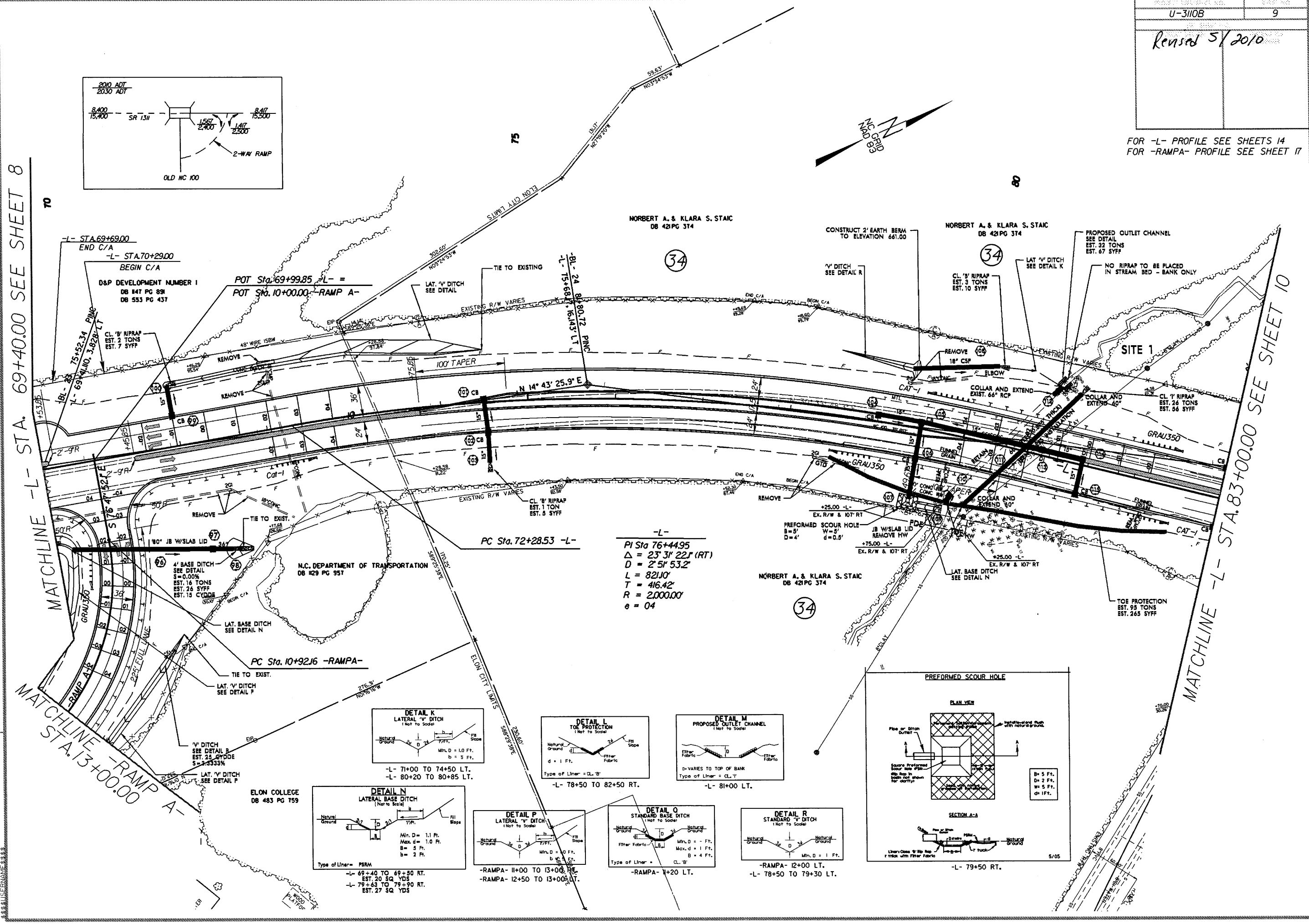
Revised 5/2010

FOR -L- PROFILE SEE SHEETS 14
FOR -RAMPA- PROFILE SEE SHEET 17

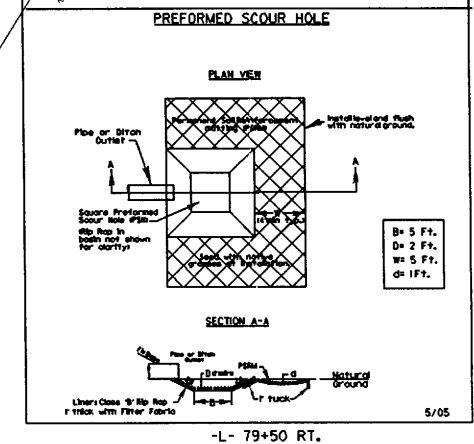
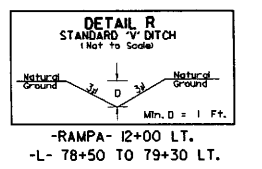
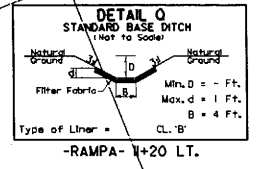
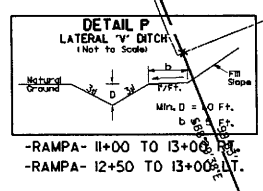
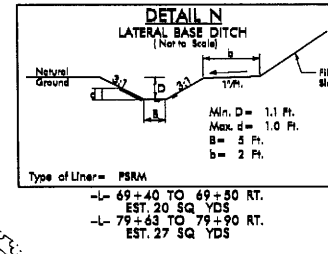
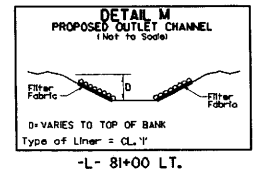
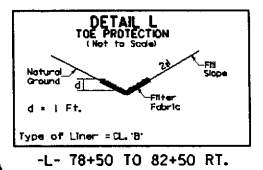
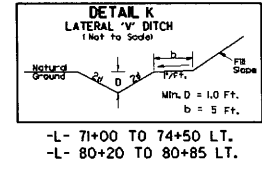


MATCHLINE -L- STA. 69+40.00 SEE SHEET 8

MATCHLINE -L- STA. 83+00.00 SEE SHEET 10



-L-
PI Sta 76+44.95
 $\Delta = 23' 31'' 22.2'' (RT)$
 $D = 2' 51'' 53.2''$
 $L = 82.10'$
 $T = 416.42'$
 $R = 2,000.00'$
 $e = 04$



8/17/99
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