



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

October 31, 2003

Division of Water Quality
1621 Mail Service Center
Raleigh, NC 27699

ATTENTION: Mr. John Dorney
NCDOT Coordinator

Subject: Buffer Certification Application for the replacement of Bridge No. 72 over Hatchers Run on SR 1004, Granville County. Federal Aid Project No. BRSTP-1004(7), State Project No. 8.2370901, TIP Project No. B-3643.

Dear Mr. Dorney:

Please find enclosed three copies of the project planning report for the above mentioned project. The document states that Bridge No. 72 over Hatchers Run on SR 1004 in Granville Co will be replaced with a new bridge at approximately the same location. The new bridge will be approximately 70-foot long and have two 12-foot lanes with 8-foot shoulders. The bridge approach will have two 12-foot lanes with 8-foot shoulders being paved. Hatchers Run [DWQ Index #28-11-3-(2)] is a jurisdictional stream under the Tar-Pamlico Riparian Buffer Rules and is the subject of this application.

Tar-Pamlico River Basin Buffer Rules

As previously noted, this project is located in the Tar-Pamlico River Basin (subbasin 03-03-01, HUC 03020101); therefore, the regulations pertaining to the buffer rules apply. Buffer impacts associated with this project total 1,811 sq ft (0.04 acre) for Zone 1 and 1,367 sq ft (0.03 acre) for Zone 2. All practicable measures to minimize impacts within buffer zones were followed. Measures used to minimize impacts to the buffer zone include using the current alignment. According to the buffer rules, bridges are ALLOWABLE. Uses designated as allowable may proceed within the riparian buffer provided that there are no practical alternatives to the requested use pursuant to Item (8) of this Rule. These uses require written authorization from the Division or the delegated local authority. Therefore, NCDOT requests written authorization for a Buffer Certification from the Division of Water Quality.

This project has been reviewed for jurisdiction under the Federal Clean Water Act (CWA). There are no impacts to Waters of the US, therefore none of the actions of this

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
1548 MAIL SERVICE CENTER
RALEIGH NC 27699-1548

TELEPHONE: 919-733-3141
FAX: 919-733-9794

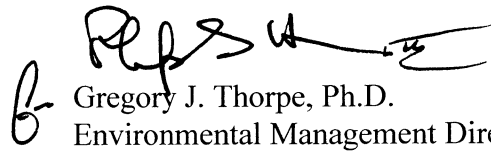
WEBSITE: WWW.NCDOT.ORG

LOCATION:
TRANSPORTATION BUILDING
1 SOUTH WILMINGTON STREET
RALEIGH NC

project fall under jurisdiction of the CWA. Therefore, no permits pursuant to the CWA are required. In addition to the planning document, permit drawings and half size plan sheets are included with this application.

If you have any questions or need additional information, please contact Brett Feulner at (919) 715-1488.

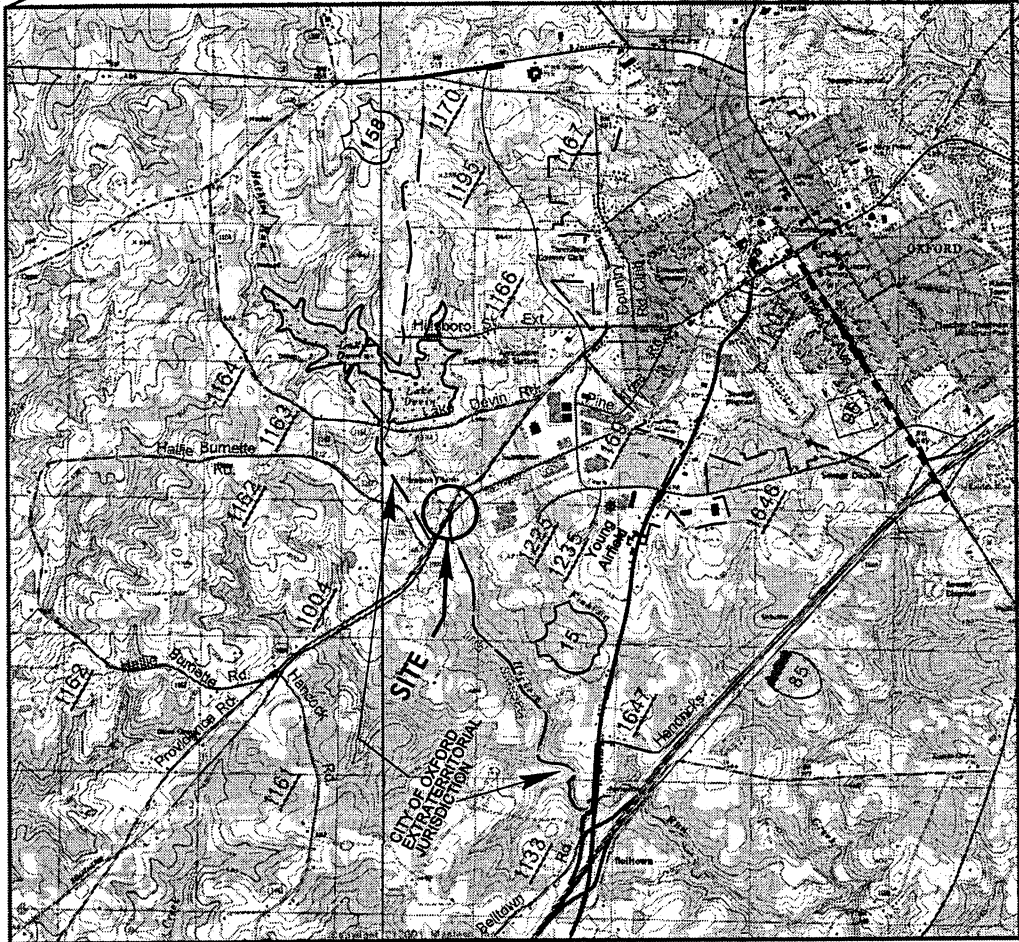
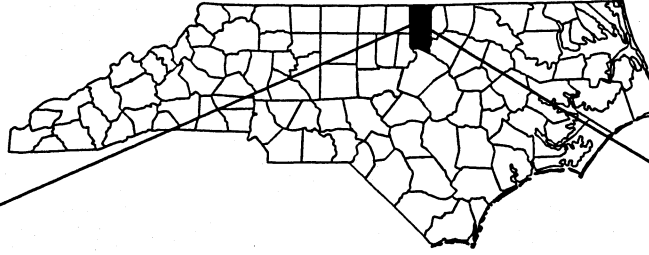
Sincerely,


Gregory J. Thorpe, Ph.D.
Environmental Management Director, PDEA

w/ attachment:

Mr. Eric Alsmeyer, USACE
Mr. Travis Wilson, NCWRC
Mr. Gary Jordan, USFWS
Mr. Greg Perfetti, P.E., Structure Design
Mr. David Franklin, USACE, Wilmington
Mr. Jay Bennett, P.E., Roadway Design
Mr. Omar Sultan, Programming and TIP
Ms. Deborah Barbour, PE, Highway Design
Mr. David Chang, P.E., Hydraulics
Ms. Mark Staley, Roadside Environmental
Mr. Jon Nance, P.E., Division 5 Engineer
Mr. Chris Murray, Division Environmental Officer
Mr. John Conforti, Project Planning Engineer

VICINITY MAP



N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
GRANVILLE COUNTY
PROJECT: 8.2370901 (B-3643)
BRIDGE NO. 72
OVER HACHERS RUN
ON SR 1004

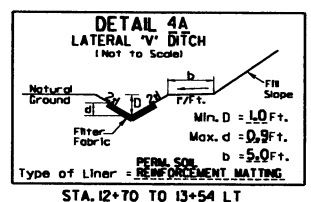
SHEET OF 4 / 22 / 03

BUFFER IMPACTS SUMMARY

SITE NO.	STRUCTURE SIZE / TYPE	STATION (FROM/TO)	IMPACT				MITIGABLE			BUFFER REPLACEMENT			
			TYPE		ALLOWABLE		TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	
			ROAD CROSSING	PARALLEL IMPACT	ZONE 1 (ft ²)	ZONE 2 (ft ²)							
1	Bridge	-L- Sta 14+33+/-	X		1811.0	1367.0	3178.0						
TOTAL:					1811.0	1367.0	3178.0	0.0	0.0	0.0	0.0	0.0	0.0

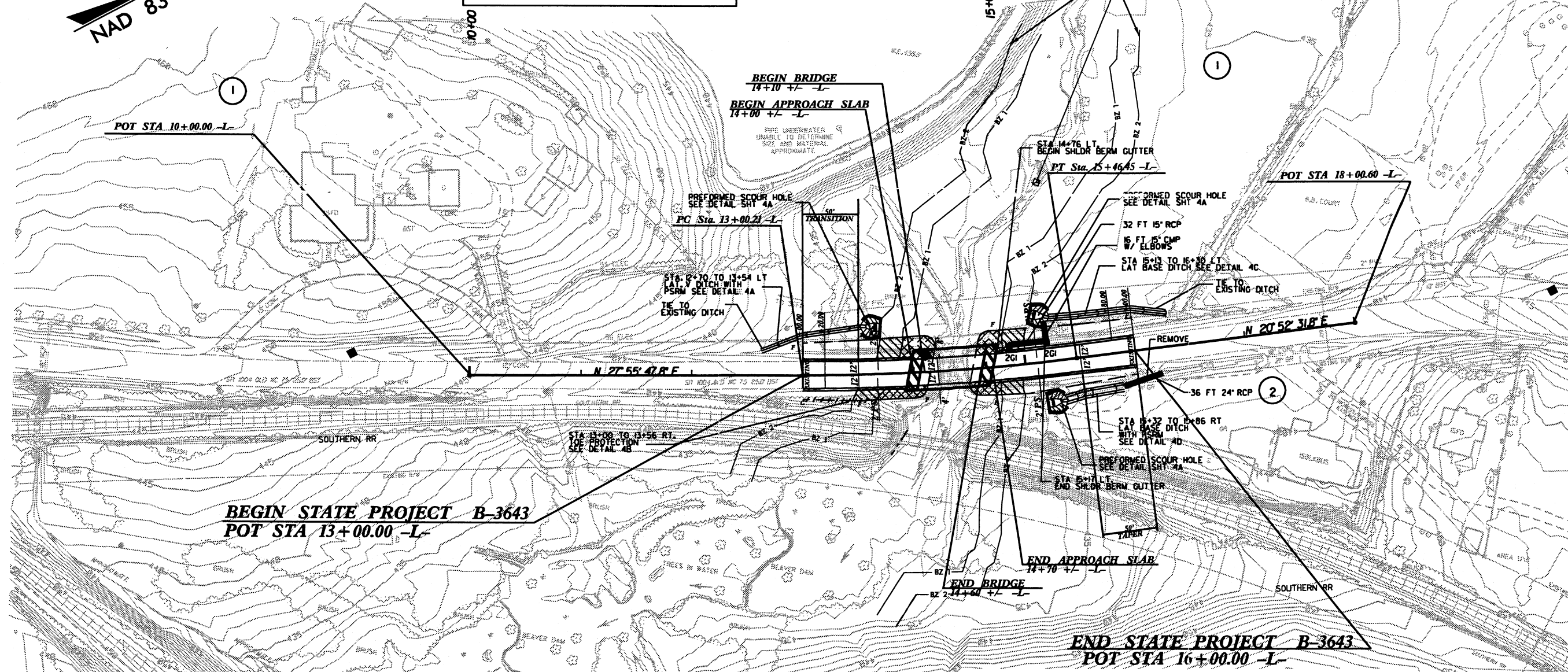
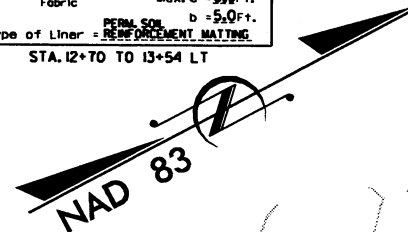
N.C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 GRANVILLE COUNTY
 PROJECT: 8.2370901 (B-3643)
 4/22/2003
 SHEET OF

*DESIGN EXCEPTION FOR:
 SHOULDER WIDTH, BRIDGE WIDTH,
 AND SUPERELEVATION.
 NOTE THAT GUARDRAIL LENGTH
 ON ALL APPROACHES IS SUBSTANDARD.



DATUM DESCRIPTION
 THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY MCDOT FOR MONUMENT 'B3643-1' WITH MGD 1983/95 STATE PLANE GRID COORDINATES OF NORTHING: 925,177.07(071) EASTING: 2,111,719.71(6011) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.00002841 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM 'B3643-1' TO 'L' STATION 13+00.00 IS N 31° 41' 11.26" E 871.759' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

-L-
 PI Sta 14+23.48
 $\Delta = 7' 03" 15.0' (LT)$
 $D = 2' 51" 53.2'$
 $L = 246.25'$
 $T = 123.28'$
 $R = 2000.00'$
 $*SE = 0.02$
 $RO = \text{SEE PLANS}$
 $INC = 20'$

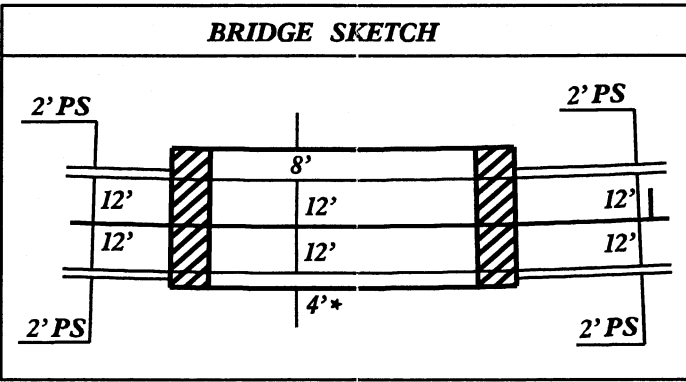
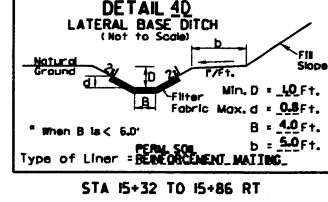
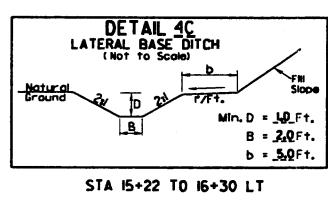
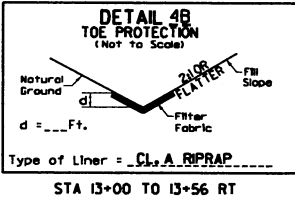


REVISIONS

BEGIN STATE PROJECT B-3643
 POT STA 13+00.00 -L-

END STATE PROJECT B-3643
 POT STA 16+00.00 -L-

NOTE:
 1) SEE SHEET 5 FOR -L- PROFILE.

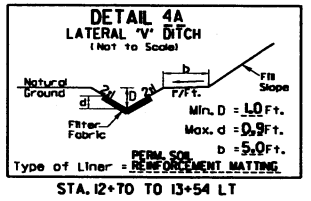


LEGEND

- ALLOWABLE IMPACTS ZONE 1
- ALLOWABLE IMPACTS ZONE 2
- BZ1 - RIPARIAN BUFFER ZONE 1 30 ft (9.2m)
- BZ2 - RIPARIAN BUFFER ZONE 2 20 ft (6.1m)

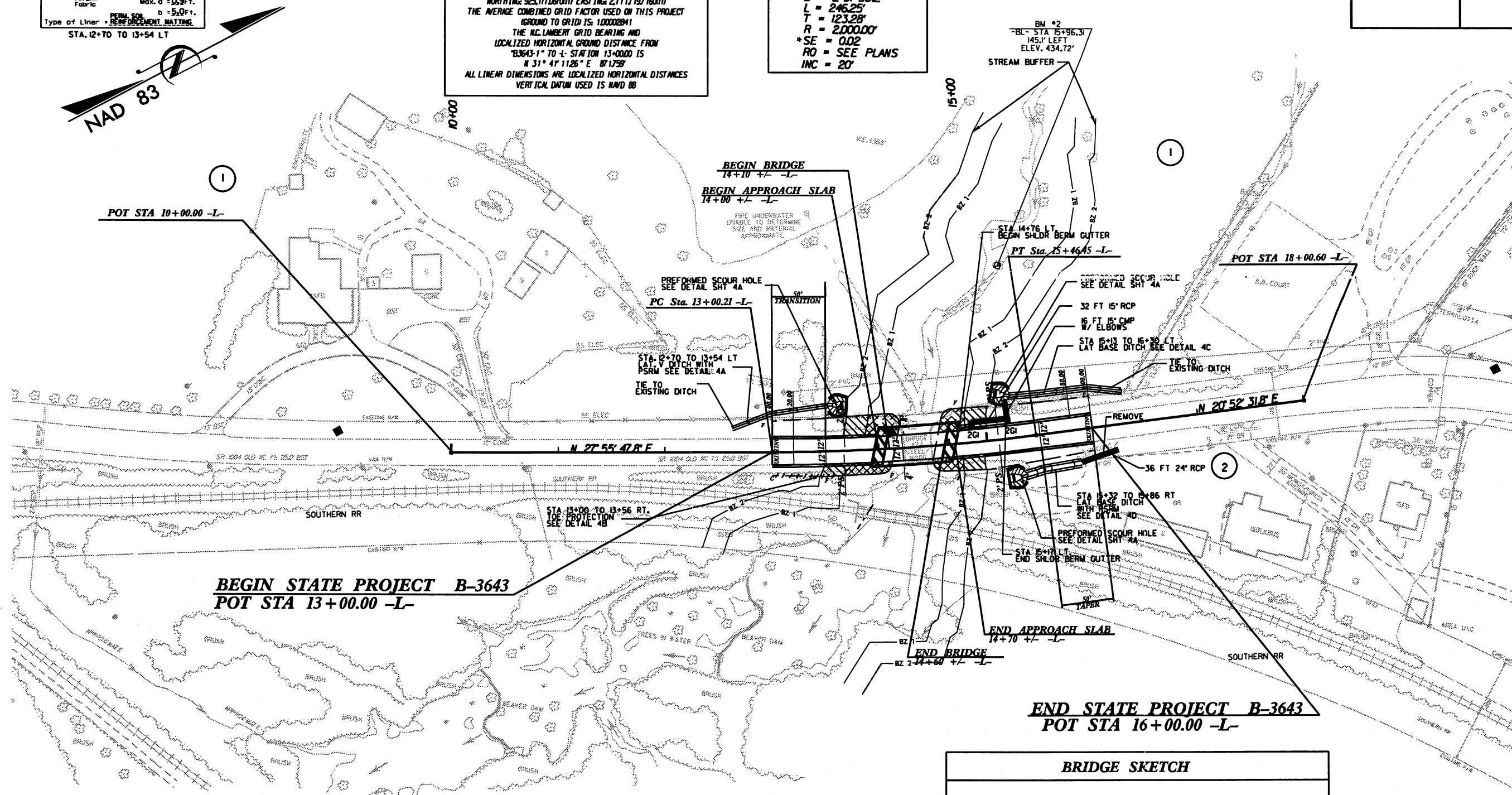
SYSTEMS: *****
 DESIGN: *****
 DRAWING: *****
 USER: *****
 DATE: *****
 TIME: *****

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AND SUPERELEVATION.
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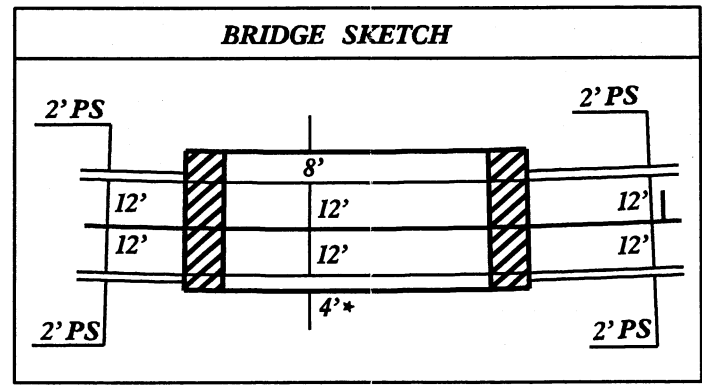
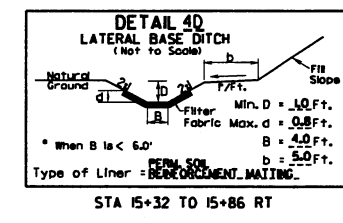
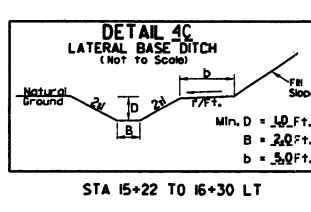
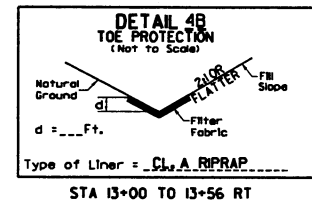
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T = 123.28'
R = 2,000.00'
SE = 0.02
RO = SEE PLANS
INC = 20'



REVISIONS

NOTE:
1) SEE SHEET 5 FOR -L- PROFILE.



- LEGEND**
- ALLOWABLE IMPACTS ZONE 1
 - ALLOWABLE IMPACTS ZONE 2
 - BZ1- RIPARIAN BUFFER ZONE 1 38 ft (9.2m)
 - BZ2- RIPARIAN BUFFER ZONE 2 20 ft (6.1m)

8/17/99

SYSTEM TIME: 9/17/99 11:00:00 AM
DRAWN BY: J. M. HARRIS
CHECKED BY: J. M. HARRIS
DATE: 9/17/99

5/26/91

PROJECT REFERENCE NO. SHEET NO.

B-3643 5

ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER

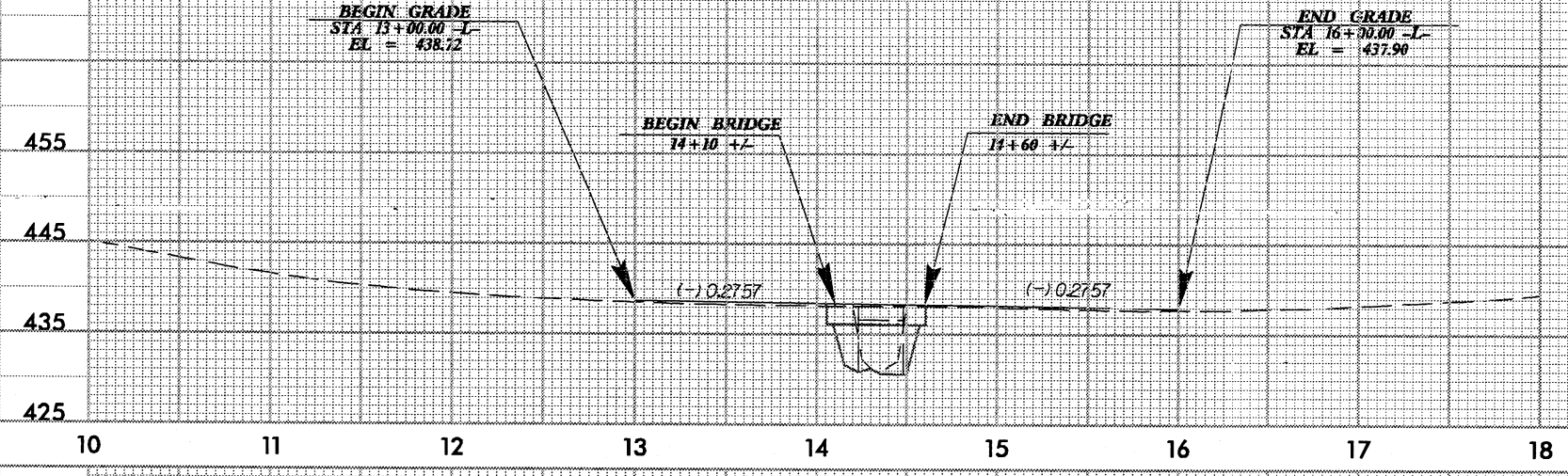
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

-L-

BM# 1 N 38° 58' 10.1" E 735.63' TO -L- STA 10+00.00
NAIL SET IN 24" PINE TREE

BM# 2 -L- STA 15+28.69 161.83' (LT)
NAIL SET IN 24" GUM TREE



5/26/91