



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

March 28, 2008

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

ATTENTION: Mr. William Wescott
NCDOT Coordinator

Dear Sir,

Subject: **Application for Section 404 Nationwide Permits 23 and 33, Section 401 Water Quality Certification, and Neuse Riparian Buffer Authorization** for the replacement of Bridge No. 35 over Nahunta Swamp on SR 1532 (Lanetown Rd.); Wayne County; TIP Project B-4671; Federal Aid Project No. BRZ-1532(3); State Project No. 8.2331701; Debit \$240.00 from WBS 33826.1.1.

Please find enclosed a site map, permit drawings, and half size plan sheets for the above mentioned project. A Programmatic Categorical Exclusion (PCE) was completed for this project on May 19, 2006, and distributed shortly thereafter. Additional copies are available upon request. The North Carolina Department of Transportation (NCDOT) proposes to replace Bridge No. 35 over Nahunta Swamp on existing alignment, while using an off-site detour to maintain traffic during construction. Bridge No. 35 is currently 151-foot long. The proposed structure will be a 165-foot, 3-span 21 inch deep cored slab bridge with 29 feet 10 inches of clear deck width. The structure will provide two 11-foot travel lanes with 3.5-foot offsets. The roadway approaches will consist of two 11-foot travel lanes with 4-foot grassed shoulders (shoulders will be 7-feet where guardrail is included). Proposed permanent impacts include 0.03 acre to riverine wetlands.

Impacts to Waters of the United States

General Description: This project is located in the Neuse River Basin (Hydrologic Cataloging Unit 03020203) on Nahunta Swamp [DWQ Index # 27-86-14], which is a Division of Water Quality Class "C Sw NSW" Water of the State. Two jurisdictional wetlands adjacent to Nahunta Swam will be impacted in the project area.

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

TELEPHONE: 919-715-1334
FAX: 919-715-5501

WEBSITE: WWW.NCDOT.ORG

LOCATION:
2728 CAPITAL BLVD
SUITE 240
RALEIGH NC 27604

Nahunta Swamp is not designated as a North Carolina Natural or Scenic River, or as a national Wild and Scenic River. No designated Outstanding Resource Waters (ORW), High Quality Waters (HQW), Water Supply I (WS-I), or Water Supply II (WS-II) waters occur within 1.0 mile of the project study area. Additionally, Nahunta Swamp is not listed on the Final 2006 303(d) list of impaired waters due to sedimentation for the Neuse River Basin, nor does it drain into any Section 303(d) waters within 1.0 mile of the project study area.

Permanent Impacts: There is 0.03 acre of proposed impacts to riverine wetlands due to roadway fill on this project.

Temporary Impacts: NCDOT anticipates 0.03 acre of temporary impacts to wetlands within hand-clearing areas. These impacts involve the placement of temporary wetland fill for the installation of erosion control measures. These include some or all of the following: Temporary Silt Fence, Special Sediment Control Fence, and Temporary Rock Silt Checks.

Hand-Clearing: There will be 0.12 acre of hand clearing in jurisdictional areas on this project.

Utility Impacts: No impacts to jurisdictional resources will occur due to relocation of utilities in the project area.

Bridge Demolition: The superstructure for Bridge No. 35 is comprised of 8 pre-stressed concrete channels, with a substructure composed of concrete end bents and interior bent caps on timber piles. Best Management Practices for Bridge Demolition and Removal will be followed to prevent any temporary fill from entering Waters of the United States.

Neuse River Buffer Rules

This project is located in the Neuse River Basin; therefore, the regulations pertaining to the Neuse River Buffer Rules apply. There will be a total of 3,806 square feet (sqft) of impacts to riparian buffers. This includes 1,779 sqft in Zone 1 and 2,027 in Zone 2 due to the bridge crossing. 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. There are no practicable alternatives to bridge replacement over Nahunta Swamp.

In-Stream Work Moratorium

According to the NC Wildlife Resources Commission, anadromous fish species are found in this portion of Nahunta Swamp; therefore, NCDOT will strictly adhere to all stream-crossing guidelines for anadromous fish passage, including an in-water work moratorium between February 15 and June 15.

Avoidance and Minimization

Avoidance examines all appropriate and practicable possibilities of averting impacts to "Waters of the United States". Due to the presence of surface waters and wetlands within

the project area, avoidance of all impacts is not possible. The NCDOT is committed to incorporating all reasonable and practicable design features to avoid and minimize jurisdictional impacts. Minimization measures were incorporated as part of the project design. These include:

- NCDOT is replacing Bridge No. 17 in place, with a spanning structure and utilizing an off-site detour.
- The roadway grade was kept as close as possible to the existing, minimizing fill height.
- Hand clearing will be utilized to reduce permanent wetland impacts.
- NCDOT will observe an in-stream construction moratorium from February 15 to June 15 and utilize Stream Crossing Guidelines for Anadromous Fish Passage.
- Design Standards in Sensitive Watersheds will be utilized during demolition of the existing bridge and construction of the new bridge.

Mitigation

Due to the minimal permanent wetland impacts proposed for this project, no compensatory mitigation is proposed.

Federally Protected Species

As of January 31, 2008, the US Fish and Wildlife Service (USFWS) lists one federally protected species for Wayne County: red-cockaded woodpecker (*Picoides borealis*). The red-cockaded woodpecker is listed as endangered. There is no potential habitat in the project area; therefore the biological conclusion is 'No Effect'.

Bald and Golden Eagle Protection Act

Included on the January 2008 list is the bald eagle, which was de-listed on August 8, 2007 and no longer requires a biological conclusion. However, the bald eagle is still protected under the Bald and Golden Eagle Protection Act. Suitable habitat in the form of large, open water bodies that provide nesting and foraging habitat for the bald eagle is not found within 660 feet of the project area. In addition, a search of the NC Natural Heritage Program database (updated February 2008) did not reveal any records of the bald eagle within one mile of the project area.

Project Schedule

The project has a scheduled let of October 21, 2008 with a review date of September 2, 2008.

Regulatory Approvals

Section 404 Permit: All aspects of this project are being processed by the Federal Highway Administration as a "Categorical Exclusion" in accordance with 23 CFR 771.115(b). The NCDOT requests that these activities be authorized by a Nationwide Permit 23 (72 CFR; 11092-11198, March 12, 2007). We are also requesting the issuance

of a Nationwide Permit 33 for temporary fill due to the installation of erosion control measures (72 CFR; 11092-11198, March 12, 2007).

Section 401 Permit: We anticipate 401 General Certification numbers 3701 and 3688 will apply to this project. All general conditions of the Water Quality Certification will be met. NCDOT is providing five copies of this application to the NCDWQ for their review and approval. Authorization to debit the \$240 Permit Application Fee from WBS Element 33826.1.1 is hereby given.

Neuse River Riparian Buffer Authorization: NCDOT requests that the NC Division of Water Quality review this application and issue a written approval for a Neuse Riparian Buffer Authorization.

A copy of this permit application will be posted on the NCDOT website at: <http://www.ncdot.org/doh/preconstruct/pe/neu/permit.html>.

If you have any questions or need additional information, please contact Amy James at (919) 715-7216.

Sincerely,



fcv

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

W/attachment

Mr. Brian Wrenn, NCDWQ (5 copies)
Mr. Travis Wilson, NCWRC
Mr. Gary Jordan, USFWS
Mr. Ron Sechler, NMFS
Ms. Jeanne Hardy, NCDMF

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. 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. Natalie Lockhart, Project Planning Engineer
Mr. Richard E. Greene, P.E. Div. 4 Engineer
Mr. Chad Coggins, Div. 4 Environmental Officer

USACE Action ID No. _____ DWQ No. _____

(If any particular item is not applicable to this project, please enter "Not Applicable" or "N/A".)

I. Processing

1. Check all of the approval(s) requested for this project:

- Section 404 Permit
- Section 10 Permit
- 401 Water Quality Certification
- Riparian or Watershed Buffer Rules
- Isolated Wetland Permit from DWQ
- Express 401 Water Quality Certification

2. Nationwide, Regional or General Permit Number(s) Requested: NWP 23 and 33

3. If this notification is solely a courtesy copy because written approval for the 401 Certification is not required, check here:

4. If payment into the North Carolina Ecosystem Enhancement Program (NCEEP) is proposed for mitigation of impacts, attach the acceptance letter from NCEEP, complete section VIII, and check here:

5. If your project is located in any of North Carolina's twenty coastal counties (listed on page 4), and the project is within a North Carolina Division of Coastal Management Area of Environmental Concern (see the top of page 2 for further details), check here:

II. Applicant Information

1. Owner/Applicant Information

Name: Gregory J. Thorpe, Ph.D., Environmental Management Director
Mailing Address: 1598 Mail Service Center
Raleigh, NC 27699-1548

Telephone Number: (919) 733-3141 Fax Number: (919) 733-9794

E-mail Address: _____

2. Agent/Consultant Information (A signed and dated copy of the Agent Authorization letter must be attached if the Agent has signatory authority for the owner/applicant.)

Name: N/A

Company Affiliation: _____

Mailing Address: _____

Telephone Number: _____ Fax Number: _____

E-mail Address: _____

III. Project Information

Attach a **vicinity map** clearly showing the location of the property with respect to local landmarks such as towns, rivers, and roads. Also provide a detailed **site plan** showing property boundaries and development plans in relation to surrounding properties. Both the vicinity map and site plan must include a scale and north arrow. The specific footprints of all buildings, impervious surfaces, or other facilities must be included. If possible, the maps and plans should include the appropriate USGS Topographic Quad Map and NRCS Soil Survey with the property boundaries outlined. Plan drawings, or other maps may be included at the applicant's discretion, so long as the property is clearly defined. For administrative and distribution purposes, the USACE requires information to be submitted on sheets no larger than 11 by 17-inch format; however, DWQ may accept paperwork of any size. DWQ prefers full-size construction drawings rather than a sequential sheet version of the full-size plans. If full-size plans are reduced to a small scale such that the final version is illegible, the applicant will be informed that the project has been placed on hold until decipherable maps are provided.

1. Name of project: Replacement of Bridge no. 35 over Nahunta Swamp on SR 1532
2. T.I.P. Project Number or State Project Number (NCDOT Only): B-4671
3. Property Identification Number (Tax PIN): N/A
4. Location
County: Wayne Nearest Town: Goldsboro
Subdivision name (include phase/lot number): _____
Directions to site (include road numbers/names, landmarks, etc.): see vicinity map
5. Site coordinates (For linear projects, such as a road or utility line, attach a sheet that separately lists the coordinates for each crossing of a distinct waterbody.)
Decimal Degrees (6 digits minimum): -77.829765 °N 35.475447 °W
6. Property size (acres): N/A
7. Name of nearest receiving body of water: Nahunta Swamp
8. River Basin: Neuse
(Note – this must be one of North Carolina's seventeen designated major river basins. The River Basin map is available at <http://h2o.enr.state.nc.us/admin/maps/>.)
9. Describe the existing conditions on the site and general land use in the vicinity of the project at the time of this application: The project is located in a rural area consisting of low density residential and forested areas as well as agricultural land.
10. Describe the overall project in detail, including the type of equipment to be used: _____

Bridge No. 35 will be replaced on the existing alignment with an offsite detour. Heavy duty excavation equipment will be used such as trucks, dozers, cranes and other various equipment necessary for roadway construction.

11. Explain the purpose of the proposed work: To replace a deteriorating bridge

IV. Prior Project History

If jurisdictional determinations and/or permits have been requested and/or obtained for this project (including all prior phases of the same subdivision) in the past, please explain. Include the USACE Action ID Number, DWQ Project Number, application date, and date permits and certifications were issued or withdrawn. Provide photocopies of previously issued permits, certifications or other useful information. Describe previously approved wetland, stream and buffer impacts, along with associated mitigation (where applicable). If this is a NCDOT project, list and describe permits issued for prior segments of the same T.I.P. project, along with construction schedules. This site was visited by USACE representative William Wescott on June 21, 2007 for a jurisdictional determination. All wetlands were verified at this visit. After the Rapanos decision, JD forms were filled out for all wetlands and sent electronically to Mr. Wescott on October 22, 2007. No isolated wetlands or wetlands without a significant nexus were identified. A tear sheet has not been received.

V. Future Project Plans

Are any future permit requests anticipated for this project? If so, describe the anticipated work, and provide justification for the exclusion of this work from the current application.
No future permit requests are anticipated for this project.

VI. Proposed Impacts to Waters of the United States/Waters of the State

It is the applicant's (or agent's) responsibility to determine, delineate and map all impacts to wetlands, open water, and stream channels associated with the project. Each impact must be listed separately in the tables below (e.g., culvert installation should be listed separately from riprap dissipater pads). Be sure to indicate if an impact is temporary. All proposed impacts, permanent and temporary, must be listed, and must be labeled and clearly identifiable on an accompanying site plan. All wetlands and waters, and all streams (intermittent and perennial) should be shown on a delineation map, whether or not impacts are proposed to these systems. Wetland and stream evaluation and delineation forms should be included as appropriate. Photographs may be included at the applicant's discretion. If this proposed impact is strictly for wetland or stream mitigation, list and describe the impact in Section VIII below. If additional space is needed for listing or description, please attach a separate sheet.

1. Provide a written description of the proposed impacts: 0.03 acre of permanent wetland and 0.03 acre of temporary wetland impacts resulting from fill are proposed for this project.
2. Individually list wetland impacts. Types of impacts include, but are not limited to mechanized clearing, grading, fill, excavation, flooding, ditching/drainage, etc. For dams, separately list impacts due to both structure and flooding.

Wetland Impact Site Number (indicate on map)	Type of Impact	Type of Wetland (e.g., forested, marsh, herbaceous, bog, etc.)	Located within 100-year Floodplain (yes/no)	Distance to Nearest Stream (linear feet)	Area of Impact (acres)
Site 1	Permanent Fill	Forested	Yes	80	0.03
Site 2	Permanent Fill	Forested	Yes	80	<0.01
Site 1 & 2	Temporary Fill	Forested	Yes	80	0.03
Total Wetland Impact (acres)					0.06

3. List the total acreage (estimated) of all existing wetlands on the property: 16 acres
4. Individually list all intermittent and perennial stream impacts. Be sure to identify temporary impacts. Stream impacts include, but are not limited to placement of fill or culverts, dam construction, flooding, relocation, stabilization activities (e.g., cement walls, rip-rap, crib walls, gabions, etc.), excavation, ditching/straightening, etc. If stream relocation is proposed, plans and profiles showing the linear footprint for both the original and relocated streams must be included. To calculate acreage, multiply length X width, then divide by 43,560.

Stream Impact Number (indicate on map)	Stream Name	Type of Impact	Perennial or Intermittent?	Average Stream Width Before Impact	Impact Length (linear feet)	Area of Impact (acres)
N/A						
Total Stream Impact (by length and acreage)						0.0

5. Individually list all open water impacts (including lakes, ponds, estuaries, sounds, Atlantic Ocean and any other water of the U.S.). Open water impacts include, but are not limited to fill, excavation, dredging, flooding, drainage, bulkheads, etc.

Open Water Impact Site Number (indicate on map)	Name of Waterbody (if applicable)	Type of Impact	Type of Waterbody (lake, pond, estuary, sound, bay, ocean, etc.)	Area of Impact (acres)
N/A				
Total Open Water Impact (acres)				0.0

6. List the cumulative impact to all Waters of the U.S. resulting from the project:

Stream Impact (acres):	0
Wetland Impact (acres):	0.06
Open Water Impact (acres):	0
Total Impact to Waters of the U.S. (acres)	0.06
Total Stream Impact (linear feet):	0

7. Isolated Waters

Do any isolated waters exist on the property? Yes No

Describe all impacts to isolated waters, and include the type of water (wetland or stream) and the size of the proposed impact (acres or linear feet). Please note that this section only applies to waters that have specifically been determined to be isolated by the USACE.

8. Pond Creation

If construction of a pond is proposed, associated wetland and stream impacts should be included above in the wetland and stream impact sections. Also, the proposed pond should be described here and illustrated on any maps included with this application.

Pond to be created in (check all that apply): uplands stream wetlands

Describe the method of construction (e.g., dam/embankment, excavation, installation of draw-down valve or spillway, etc.): N/A

Proposed use or purpose of pond (e.g., livestock watering, irrigation, aesthetic, trout pond, local stormwater requirement, etc.): N/A

Current land use in the vicinity of the pond: N/A

Size of watershed draining to pond: _____ Expected pond surface area: _____

VII. Impact Justification (Avoidance and Minimization)

Specifically describe measures taken to avoid the proposed impacts. It may be useful to provide information related to site constraints such as topography, building ordinances, accessibility, and financial viability of the project. The applicant may attach drawings of alternative, lower-impact site layouts, and explain why these design options were not feasible. Also discuss how impacts were minimized once the desired site plan was developed. If applicable, discuss construction techniques to be followed during construction to reduce impacts.

- NCDOT is replacing Bridge No. 17 in place and utilizing an off-site detour.
- The roadway grade was kept as close as possible to the existing, minimizing fill height.
- Hand clearing will be utilized to reduce permanent wetland impacts.
- NCDOT will observe an in-stream construction moratorium from February 15 to June 15 and utilize Stream Crossing Guidelines for Anadromous Fish Passage.

VIII. Mitigation

DWQ - In accordance with 15A NCAC 2H .0500, mitigation may be required by the NC Division of Water Quality for projects involving greater than or equal to one acre of impacts to freshwater wetlands or greater than or equal to 150 linear feet of total impacts to perennial streams.

USACE – In accordance with the Final Notice of Issuance and Modification of Nationwide Permits, published in the Federal Register on January 15, 2002, mitigation will be required when necessary to ensure that adverse effects to the aquatic environment are minimal. Factors including size and type of proposed impact and function and relative value of the impacted aquatic resource will be considered in determining acceptability of appropriate and practicable mitigation as proposed. Examples of mitigation that may be appropriate and practicable include, but are not limited to: reducing the size of the project; establishing and maintaining wetland and/or upland vegetated buffers to protect open waters such as streams; and replacing losses of aquatic resource functions and values by creating, restoring, enhancing, or preserving similar functions and values, preferable in the same watershed.

If mitigation is required for this project, a copy of the mitigation plan must be attached in order for USACE or DWQ to consider the application complete for processing. Any application lacking a required mitigation plan or NCEEP concurrence shall be placed on hold as incomplete. An applicant may also choose to review the current guidelines for stream restoration in DWQ's Draft Technical Guide for Stream Work in North Carolina, available at <http://h2o.enr.state.nc.us/ncwetlands/strmgide.html>.

1. Provide a brief description of the proposed mitigation plan. The description should provide as much information as possible, including, but not limited to: site location (attach directions and/or map, if offsite), affected stream and river basin, type and amount (acreage/linear feet) of mitigation proposed (restoration, enhancement, creation, or preservation), a plan view, preservation mechanism (e.g., deed restrictions, conservation easement, etc.), and a description of the current site conditions and proposed method of construction. Please attach a separate sheet if more space is needed.

Due to minimal permanent impacts, no mitigation is proposed.

2. Mitigation may also be made by payment into the North Carolina Ecosystem Enhancement Program (NCEEP). Please note it is the applicant's responsibility to contact the NCEEP at (919) 715-0476 to determine availability, and written approval from the NCEEP indicating that they are will to accept payment for the mitigation must be attached to this form. For additional information regarding the application process for the NCEEP, check the NCEEP website at <http://h2o.enr.state.nc.us/wrp/index.htm>. If use of the NCEEP is proposed, please check the appropriate box on page five and provide the following information:

Amount of stream mitigation requested (linear feet): 0

Amount of buffer mitigation requested (square feet): 0

Amount of Riparian wetland mitigation requested (acres): 0

Amount of Non-riparian wetland mitigation requested (acres): 0

Amount of Coastal wetland mitigation requested (acres): 0

IX. Environmental Documentation (required by DWQ)

1. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land? Yes No
2. If yes, does the project require preparation of an environmental document pursuant to the requirements of the National or North Carolina Environmental Policy Act (NEPA/SEPA)?
Note: If you are not sure whether a NEPA/SEPA document is required, call the SEPA coordinator at (919) 733-5083 to review current thresholds for environmental documentation.
Yes No
3. If yes, has the document review been finalized by the State Clearinghouse? If so, please attach a copy of the NEPA or SEPA final approval letter. Yes No

X. Proposed Impacts on Riparian and Watershed Buffers (required by DWQ)

It is the applicant's (or agent's) responsibility to determine, delineate and map all impacts to required state and local buffers associated with the project. The applicant must also provide justification for these impacts in Section VII above. All proposed impacts must be listed herein, and must be clearly identifiable on the accompanying site plan. All buffers must be shown on a map, whether or not impacts are proposed to the buffers. Correspondence from the DWQ Regional Office may be included as appropriate. Photographs may also be included at the applicant's discretion.

1. Will the project impact protected riparian buffers identified within 15A NCAC 2B .0233 (Neuse), 15A NCAC 2B .0259 (Tar-Pamlico), 15A NCAC 02B .0243 (Catawba) 15A NCAC 2B .0250 (Randleman Rules and Water Supply Buffer Requirements), or other (please identify _____)? Yes No

2. If "yes", identify the square feet and acreage of impact to each zone of the riparian buffers. If buffer mitigation is required calculate the required amount of mitigation by applying the buffer multipliers.

Zone*	Impact (square feet)	Multiplier	Required Mitigation
1	1,779	3 (2 for Catawba)	0.0
2	2,027	1.5	0.0
Total	3,806		0.0

* Zone 1 extends out 30 feet perpendicular from the top of the near bank of channel; Zone 2 extends an additional 20 feet from the edge of Zone 1.

3. If buffer mitigation is required, please discuss what type of mitigation is proposed (i.e., Donation of Property, Riparian Buffer Restoration / Enhancement, or Payment into the Riparian Buffer Restoration Fund). Please attach all appropriate information as identified within 15A NCAC 2B .0242 or .0244, or .0260. All buffer impacts are considered allowable.

XII. Stormwater (required by DWQ)

Describe impervious acreage (existing and proposed) versus total acreage on the site. Discuss stormwater controls proposed in order to protect surface waters and wetlands downstream from the property. If percent impervious surface exceeds 20%, please provide calculations demonstrating total proposed impervious level. N/A

XIII. Sewage Disposal (required by DWQ)

Clearly detail the ultimate treatment methods and disposition (non-discharge or discharge) of wastewater generated from the proposed project, or available capacity of the subject facility.

N/A

XIV. Violations (required by DWQ)

Is this site in violation of DWQ Wetland Rules (15A NCAC 2H .0500) or any Buffer Rules?
Yes No

Is this an after-the-fact permit application? Yes No

XV. Cumulative Impacts (required by DWQ)

Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality? Yes No

If yes, please submit a qualitative or quantitative cumulative impact analysis in accordance with the most recent North Carolina Division of Water Quality policy posted on our website at <http://h2o.enr.state.nc.us/newetlands>. If no, please provide a short narrative description: _____

XVI. Other Circumstances (Optional):

It is the applicant's responsibility to submit the application sufficiently in advance of desired construction dates to allow processing time for these permits. However, an applicant may choose to list constraints associated with construction or sequencing that may impose limits on work schedules (e.g., draw-down schedules for lakes, dates associated with Endangered and Threatened Species, accessibility problems, or other issues outside of the applicant's control).

None

E. P. Furr

3.27.08

Applicant/Agent's Signature

Date

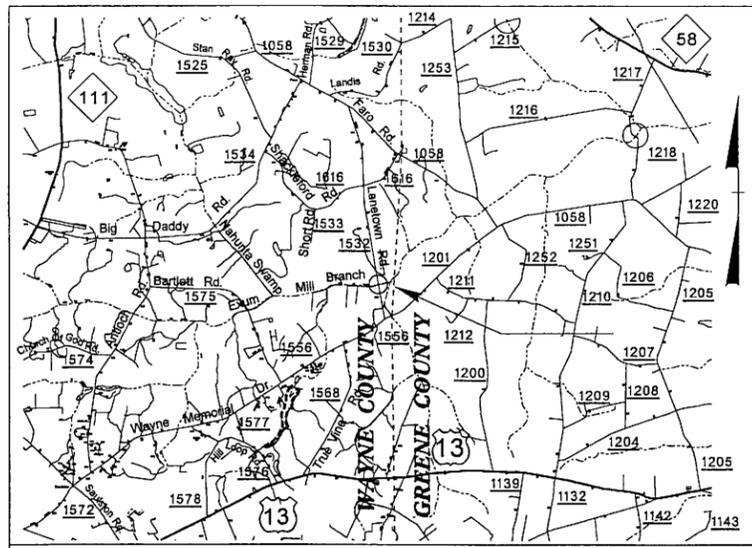
(Agent's signature is valid only if an authorization letter from the applicant is provided.)

09/08/99

TIP PROJECT: B-4671

CONTRACT:

See Sheet 1-A For Index of Sheets



Detour Route
VICINITY MAP

THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

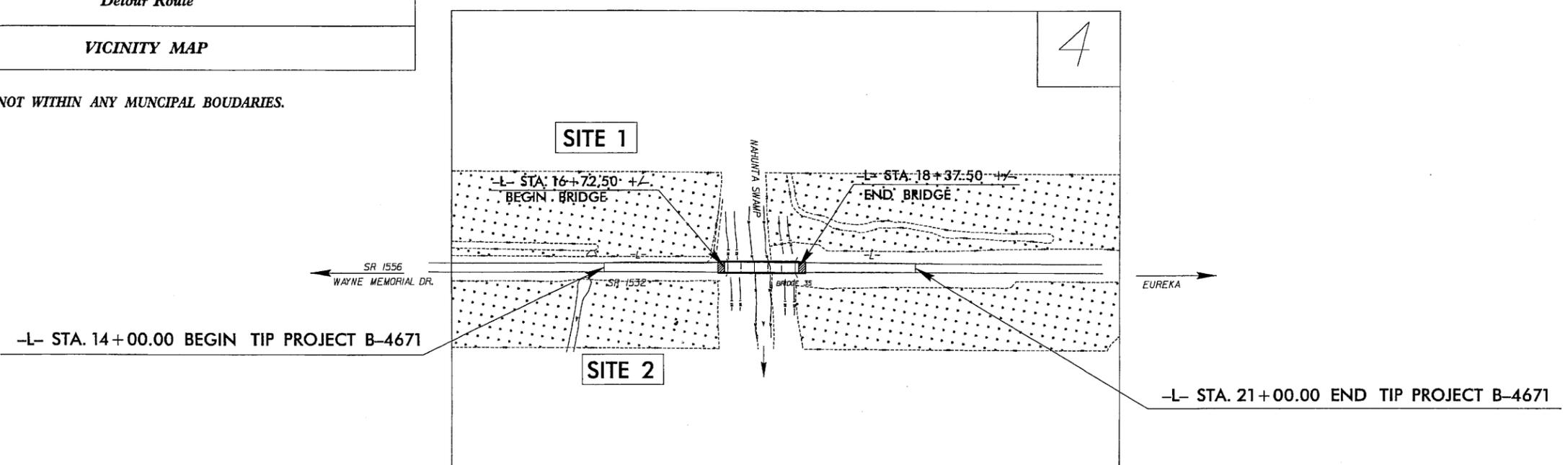
WAYNE COUNTY

LOCATION: BRIDGE 35 ON SR 1532 OVER
NAHUNTA SWAMP

TYPE OF WORK: GRADING, DRAINAGE, PAVING
AND STRUCTURE



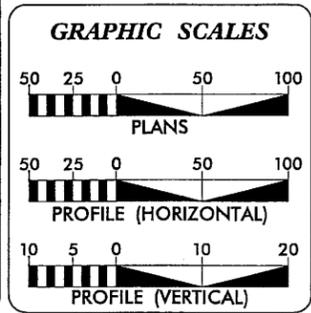
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4671	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
33826.1.1	BRZ-1532(3)	PE	
33826.2.1	BRZ-1532(3)	RW & UTIL	



WETLAND/STREAM
IMPACTS

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III



DESIGN DATA

ADT 2006 =	225
ADT 2030 =	500
DHV =	60 %
D =	10 %
T =	3 % *
V =	55 MPH
* TTST 1% DUAL 2%	

FUNCTIONAL CLASSIFICATION
RURAL LOCAL

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-4671 =	0.102 MILES
LENGTH STRUCTURE TIP PROJECT B-4671 =	0.031 MILES
TOTAL LENGTH TIP PROJECT B-4671 =	0.133 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2006 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: DECEMBER 18, 2007	G.E. BREW, PE PROJECT ENGINEER
LETTING DATE: DECEMBER 16, 2008	I.T. YOUNIS PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

STATE HIGHWAY DESIGN ENGINEER

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

8/17/99



PROJECT REFERENCE NO. B-4671	SHEET NO. 4
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

F F DENOTES FILL IN WETLAND

HC HC DENOTES HAND CLEARING



FOR PROFILE OF LINE -L- SEE SHEET 5

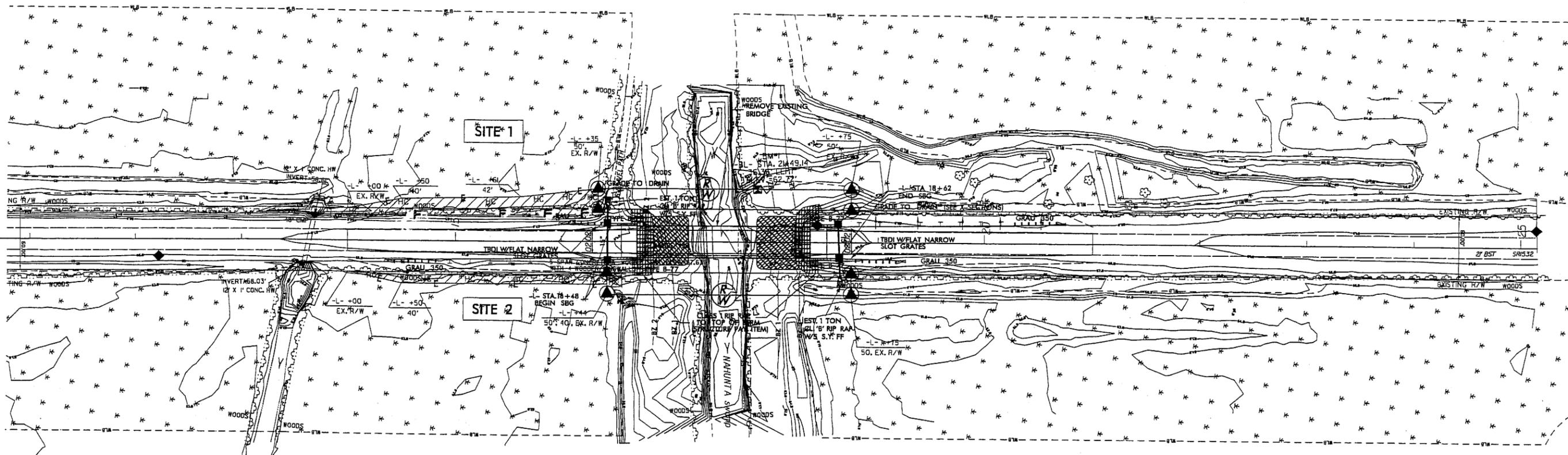
CITY OF WILSON
DB 1564 PG 537
DB 1605 PG 344

1

CITY OF WILSON
DB 1564 PG 537
DB 1605 PG 344

1

REVISIONS

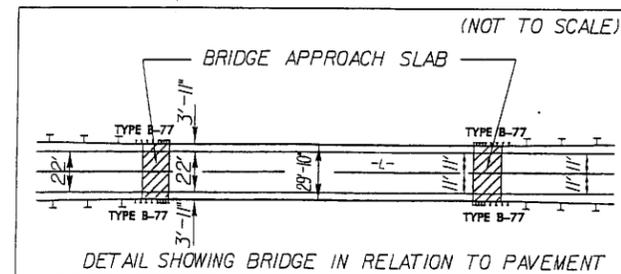


CITY OF WILSON
DB 1564 PG 537
DB 1605 PG 344

1

CITY OF WILSON
DB 1564 PG 537
DB 1605 PG 344

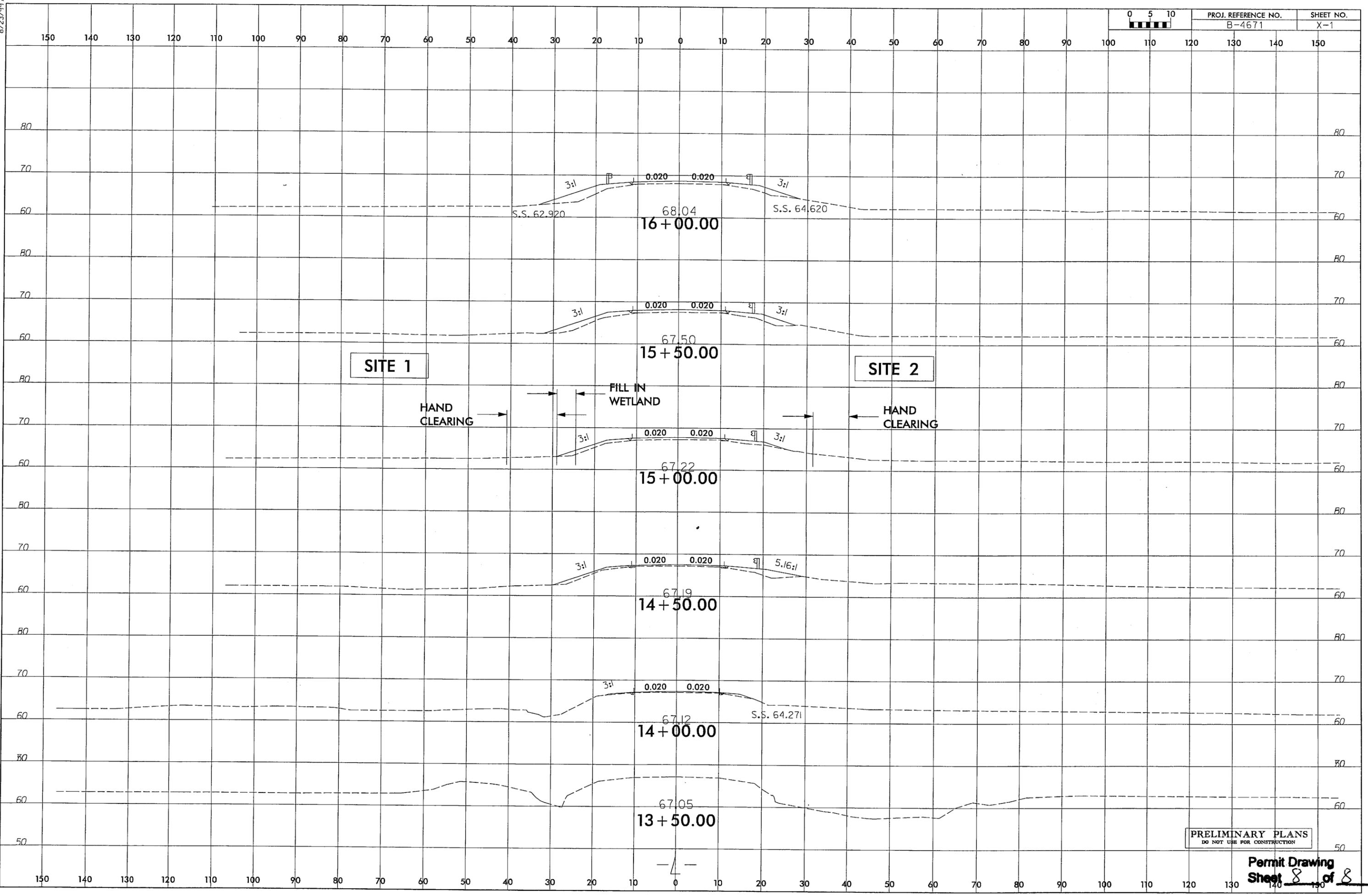
1



8/23/99



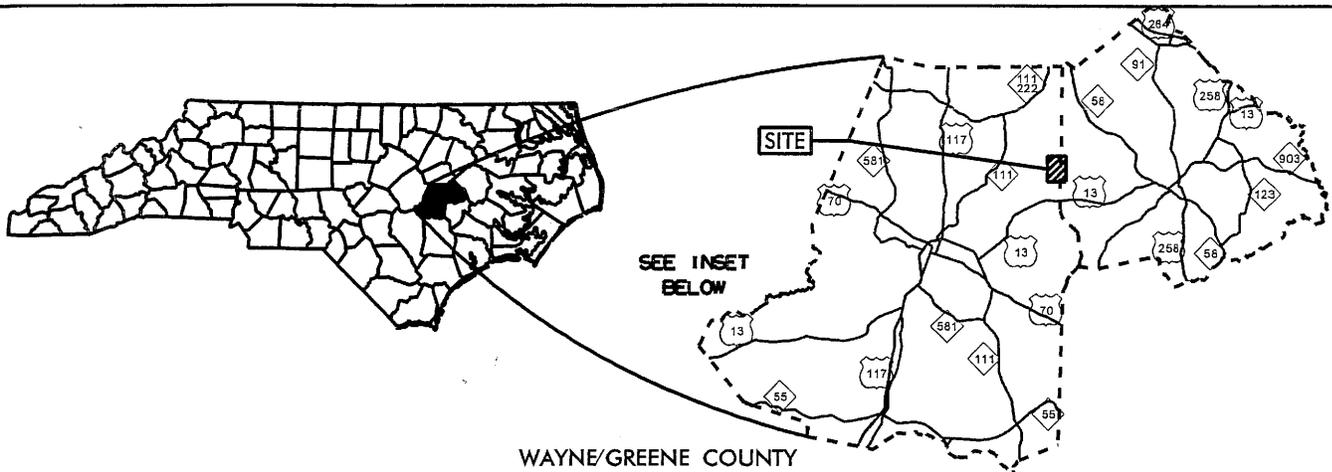
PROJ. REFERENCE NO. B-4671 SHEET NO. X-1



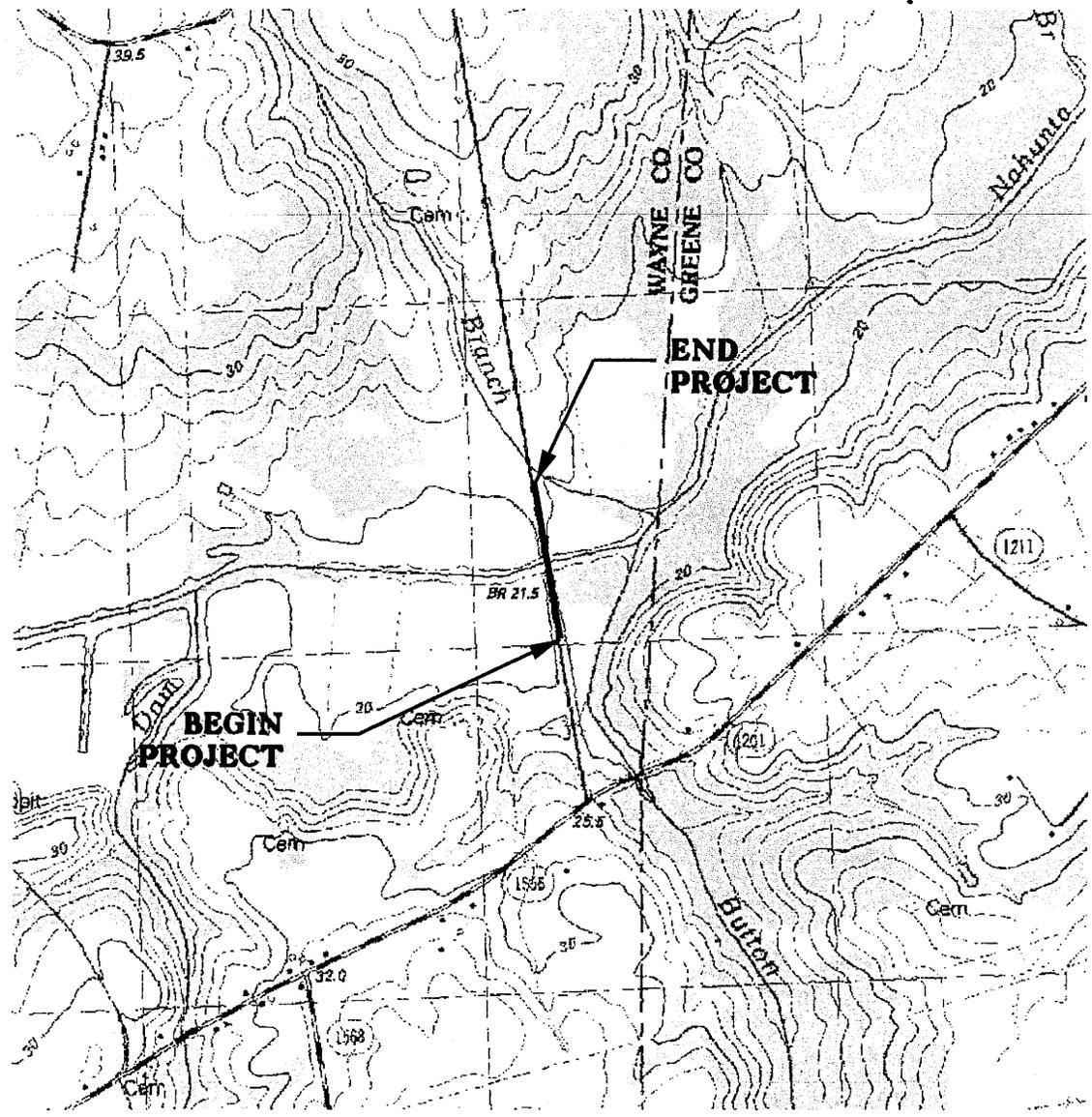
SYSTEMS
DESIGN
INCORPORATING
SUSTAINABLE
DESIGN

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

Permit Drawing
Sheet 8 of 8



WAYNE/GREENE COUNTY



WETLAND/STREAM IMPACTS
VICINITY MAP

**N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
WAYNE COUNTY**

**PROJECT: 33826.1.1 (B-4671)
BRIDGE NO. 35 OVER
NAHUNTA SWAMP
ON SR 1532**

SHEET ___ OF ___ 2 / 4 / 08

Permit Drawing
Sheet 1 of 8

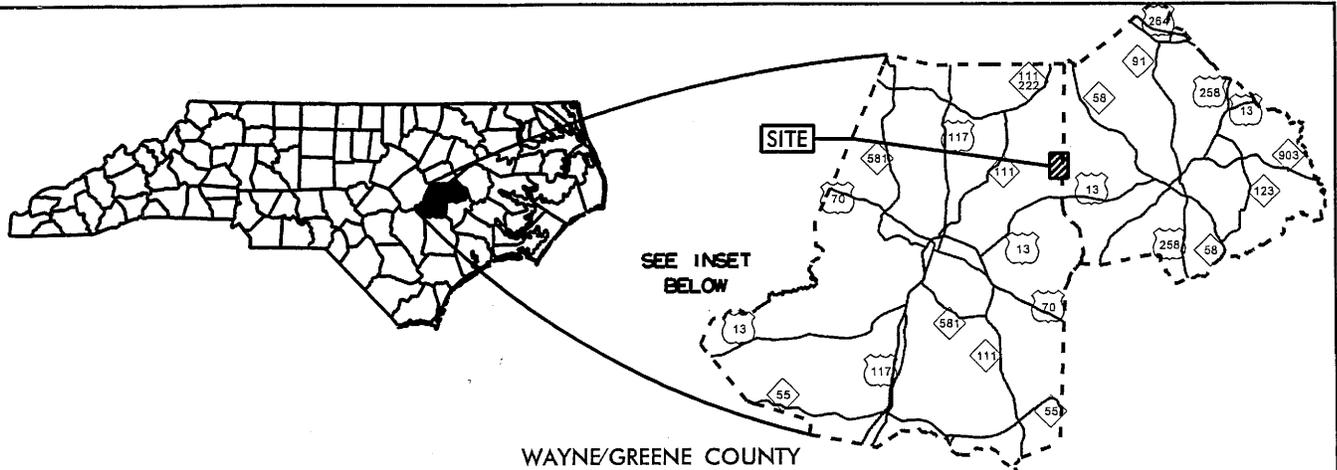
PROPERTY OWNERS
NAMES AND ADDRESSES

PARCEL NO.	NAMES	ADDRESSES
1	CITY OF WILSON	P.O. BOX 10 WILSON, NC 27894

NCDOT
DIVISION OF HIGHWAYS

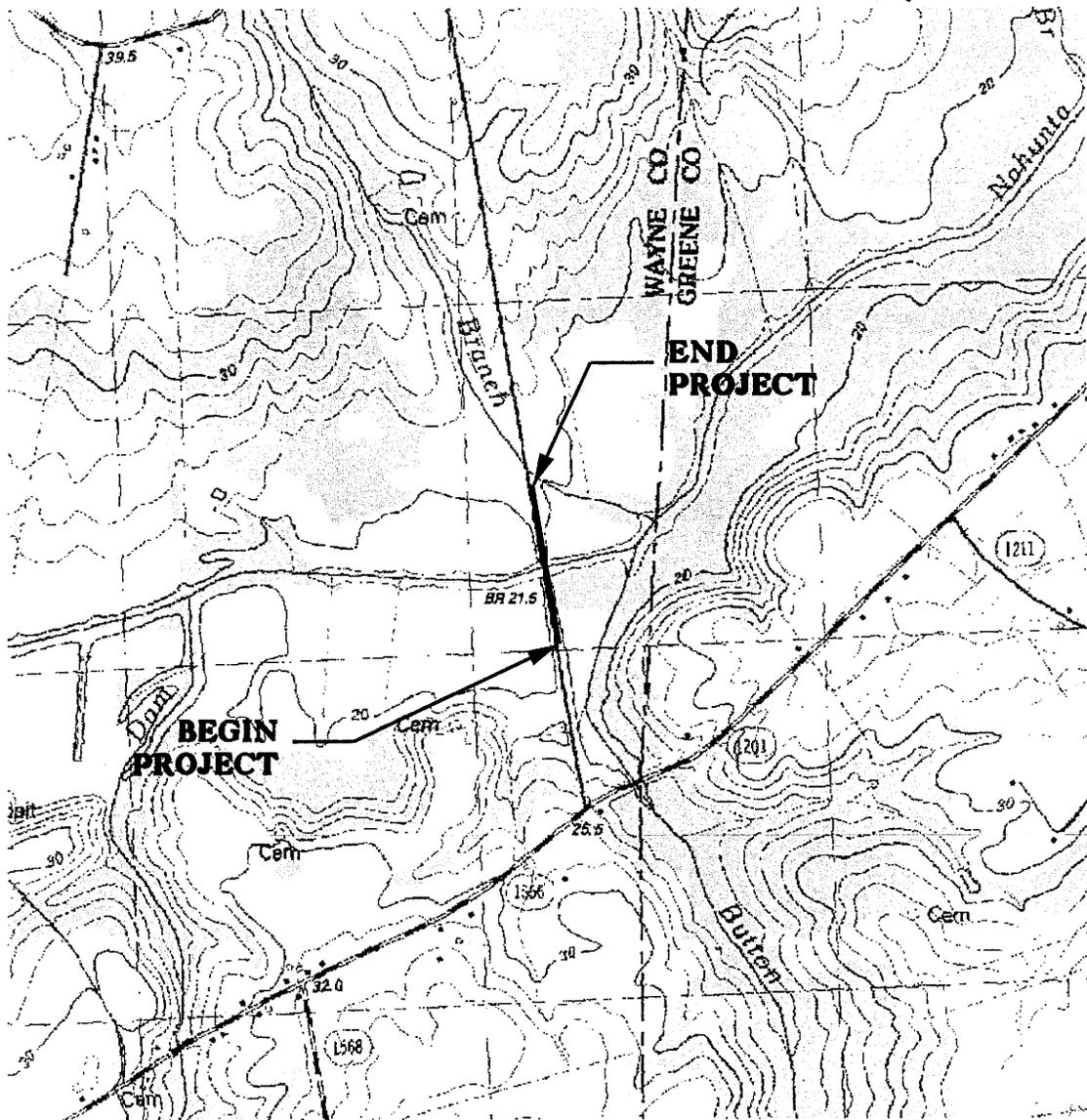
WAYNE COUNTY

PROJECT: 33826.1.1 (B-4671)
BRIDGE NO. 35 OVER
NAHUNTA SWAMP ON SR 1532



SEE INSET BELOW

WAYNE/GREENE COUNTY



BUFFER IMPACTS
VICINITY MAP

**N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
WAYNE COUNTY**

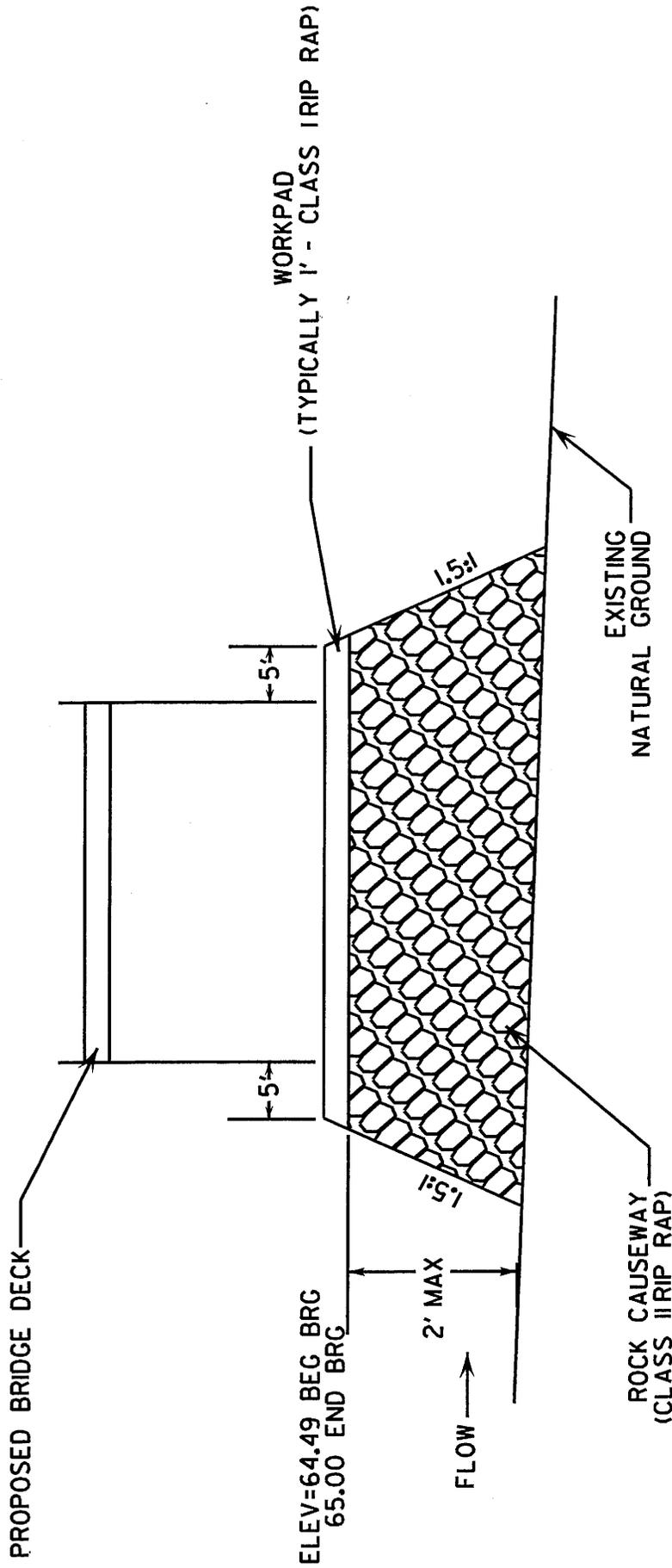
**PROJECT: 33826.1.1 (B-4671)
BRIDGE NO. 35 OVER
NAHUNTA SWAMP
ON SR 1532**

SHEET ___ OF ___

2/4/08

Buffer Drawing
Sheet 1 of 8

WORKPAD DETAIL (NOT TO SCALE)



N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS

QUANTITIES OF ESTIMATES

VOLUME OF CLASS II RIP RAP= 253 yds³
AREA OF CLASS II RIP RAP= 0.08 ac
Estimate 360 Tons Class II Rip Rap

WAYNE COUNTY
PROJECT: 33826.1.1 (B-4671)
BRIDGE NO.38 OVER
NAHUNTA SWAMP ON SR 1632

SHEET ___ OF ___ 2/1/08

PROPERTY OWNERS
NAMES AND ADDRESSES

PARCEL NO.	NAMES	ADDRESSES
1	CITY OF WILSON	P.O. BOX 10 WILSON, NC 27894

NCDOT
DIVISION OF HIGHWAYS

WAYNE COUNTY

PROJECT: 33826.1.1 (B-4671)
BRIDGE NO. 35 OVER
NAHUNTA SWAMP ON SR 1532

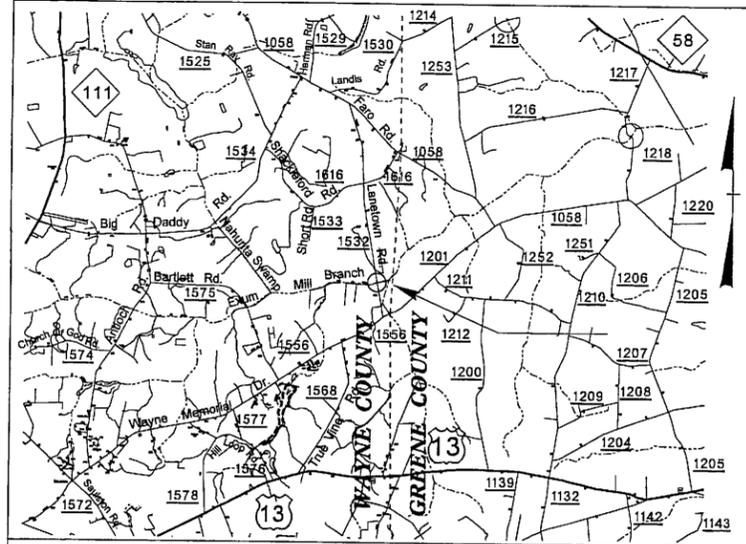
SHEET OF 2/4/08

09/20/08 09

TIP PROJECT: B-4671

CONTRACT:

See Sheet 1-A For Index of Sheets



Detour Route
VICINITY MAP

THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

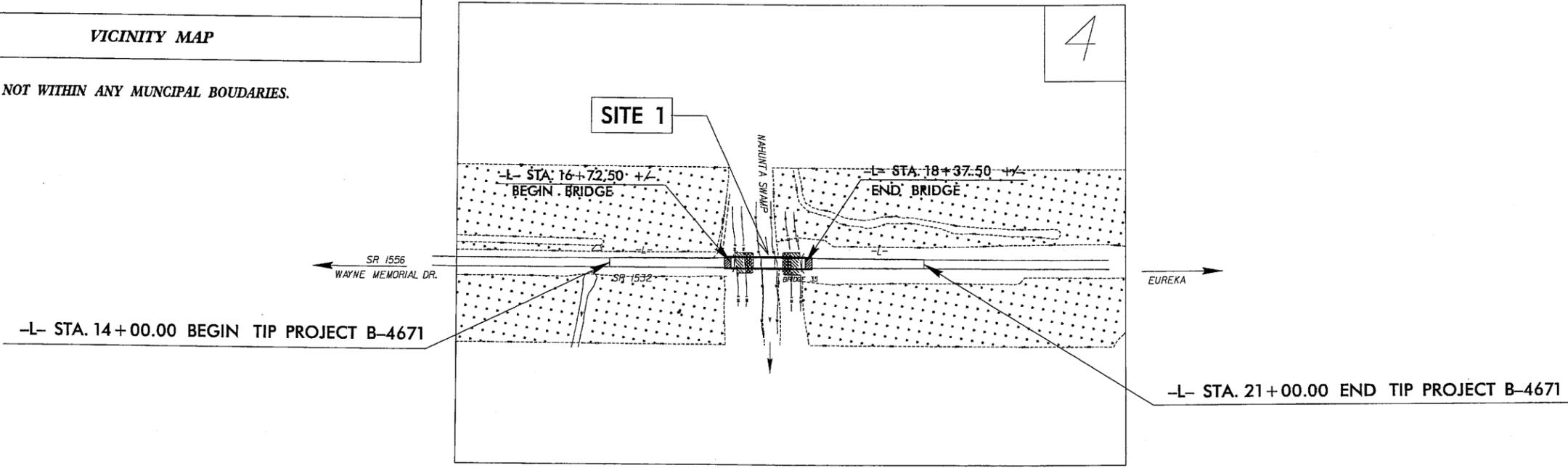
WAYNE COUNTY

**LOCATION: BRIDGE 35 ON SR 1532 OVER
NAHUNTA SWAMP**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING
AND STRUCTURE**



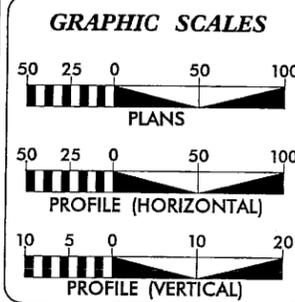
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N.C.	B-4671	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
33826.1.1	BRZ-1532(3)	PE	
33826.2.1	BRZ-1532(3)	R/W & UTIL	



**BUFFER
IMPACTS**

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



DESIGN DATA

ADT 2006 =	225
ADT 2030 =	500
DHV =	60 %
D =	10 %
T =	3 % *
V =	55 MPH
* TTST 1% DUAL 2%	

FUNCTIONAL CLASSIFICATION
RURAL LOCAL

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-4671 =	0.102 MILES
LENGTH STRUCTURE TIP PROJECT B-4671 =	0.031 MILES
TOTAL LENGTH TIP PROJECT B-4671 =	0.133 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
DECEMBER 18, 2007

LETTING DATE:
DECEMBER 16, 2008

G.E. BREW, PE
PROJECT ENGINEER

I.T. YOUNIS
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

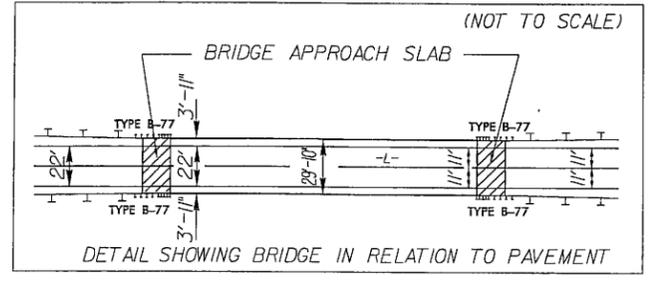
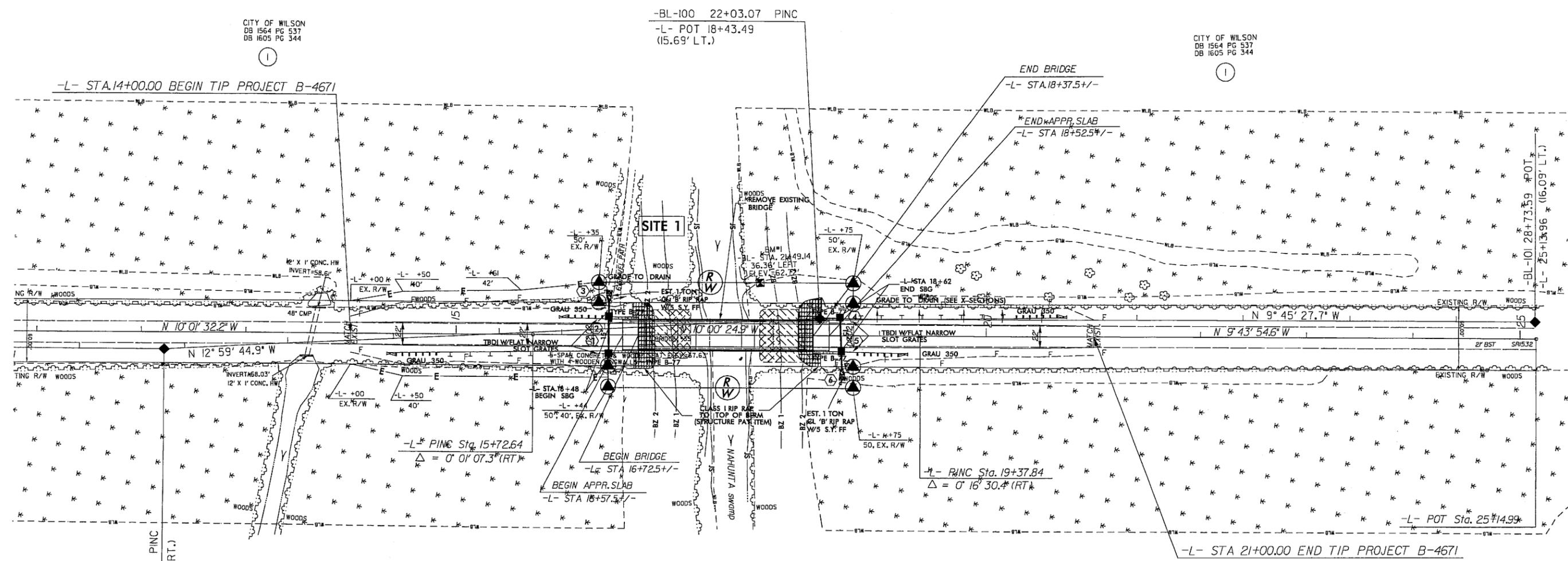
STATE HIGHWAY DESIGN ENGINEER P.E.

PROJECT REFERENCE NO. B-4671	SHEET NO. 4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
FOR PROFILE OF LINE -L- SEE SHEET 5	



 ALLOWABLE IMPACTS ZONE 1
 ALLOWABLE IMPACTS ZONE 2

REVISIONS



8/17/99

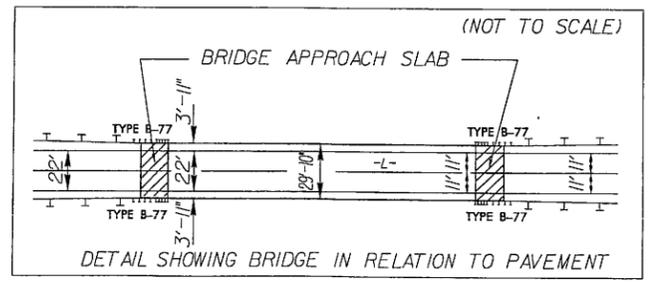
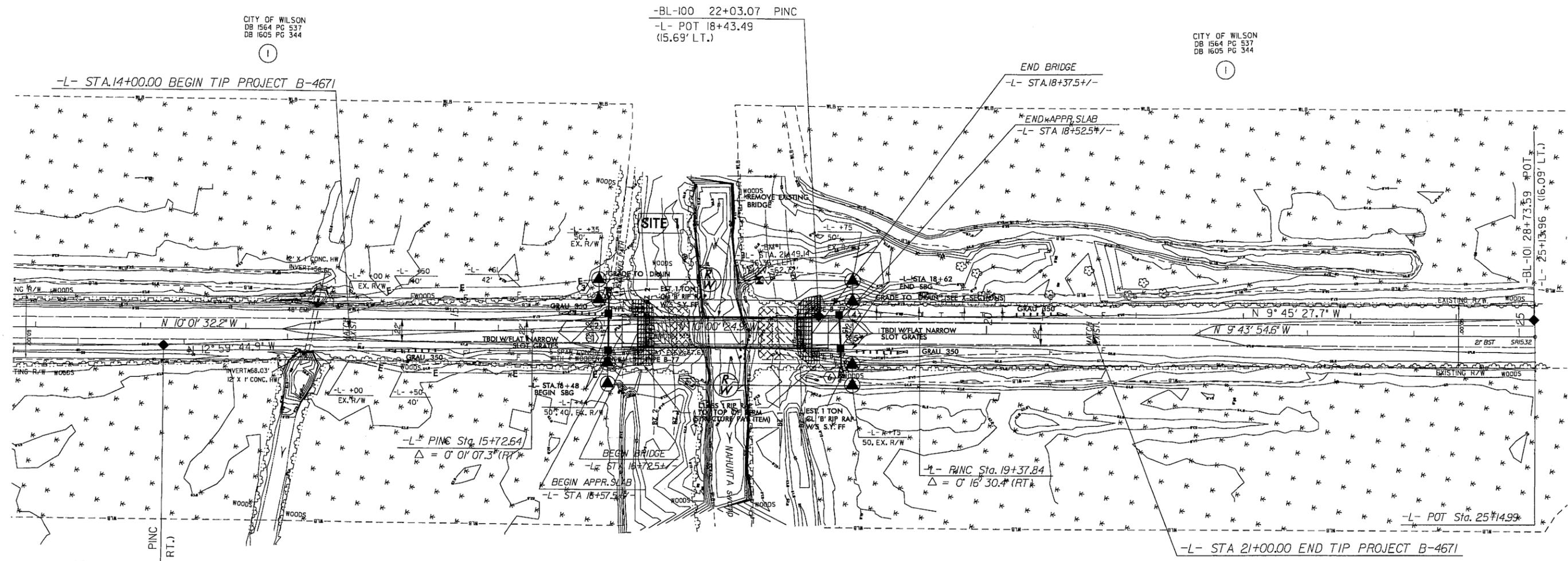
 ALLOWABLE IMPACTS ZONE 1
 ALLOWABLE IMPACTS ZONE 2



PROJECT REFERENCE NO. B-4671	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
FOR PROFILE OF LINE -L- SEE SHEET 5	



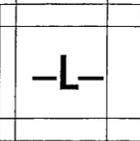
REVISIONS



PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

FOR PLANS OF LINE -L- SEE SHEET 4

BRIDGE HYDRAULIC DATA		
DESIGN DISCHARGE	= 3550	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 67.4	FT
BASE DISCHARGE	= 5680	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 68.6	FT
OVERTOPPING DISCHARGE	= 3550	CFS
OVERTOPPING FREQUENCY	= 25	YRS
OVERTOPPING ELEVATION	= 66.8	FT
	=	FT
DATE OF SURVEY	= 4/13/07	
W.S. ELEVATION AT DATE OF SURVEY	= 58.0	FT



BM *1 ELEV 62.72'
-BL- STA 21+49.14 36.36' LEFT
N 63006.31250 E 2348361.7860
RR SPIKE IN BASE OF 14" TWIN RIVER BIRCH

CL STA 17+55 -L-
3@55' CORED SLAB (21") (OAL=165')
CRSR=76.20
90° SKEW

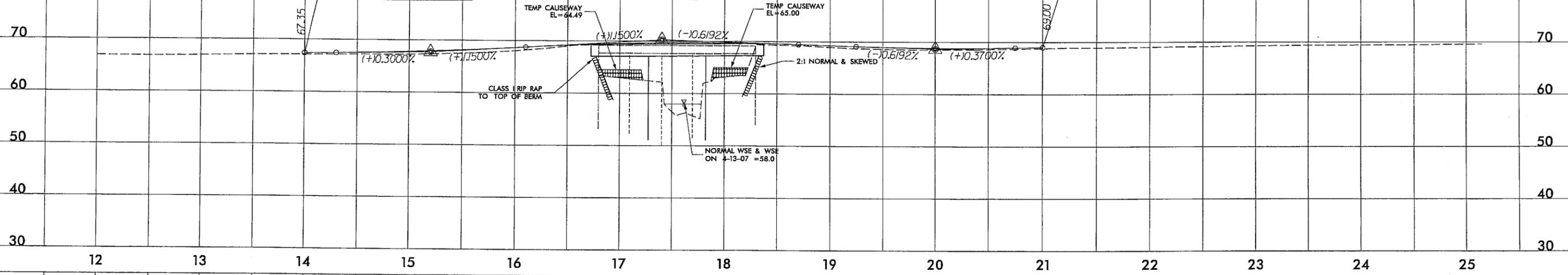
BEGIN GRADE
-L- STA 14+00.00
ELEV. 67.35

END GRADE
-L- STA 21+00.00
ELEV. 69.00

PI = 15+20.00
EL = 67.71'
VC = 180'
K = 212

PI = 17+40.00
EL = 70.24'
VC = 260'
K = 147

PI = 20+00.00
EL = 68.63'
VC = 150'
K = 152



5/28/09
C:\TEMP\PROJECT\DRAWING\BRIDGE\BRIDGE.DWG
USER: JSM/NAME: JSM

See Sheet 1-A For Index of Sheets

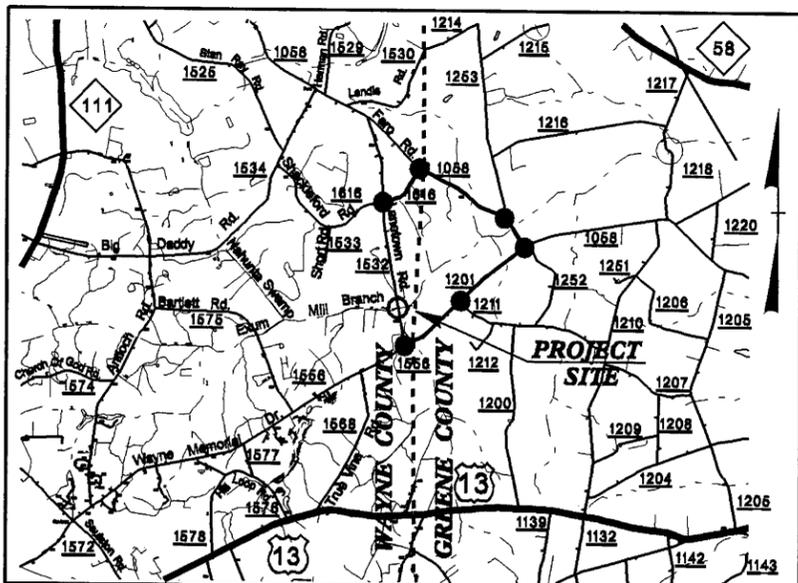
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WAYNE COUNTY

LOCATION: BRIDGE 35 ON SR 1532 OVER NAHUNTA SWAMP

TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE

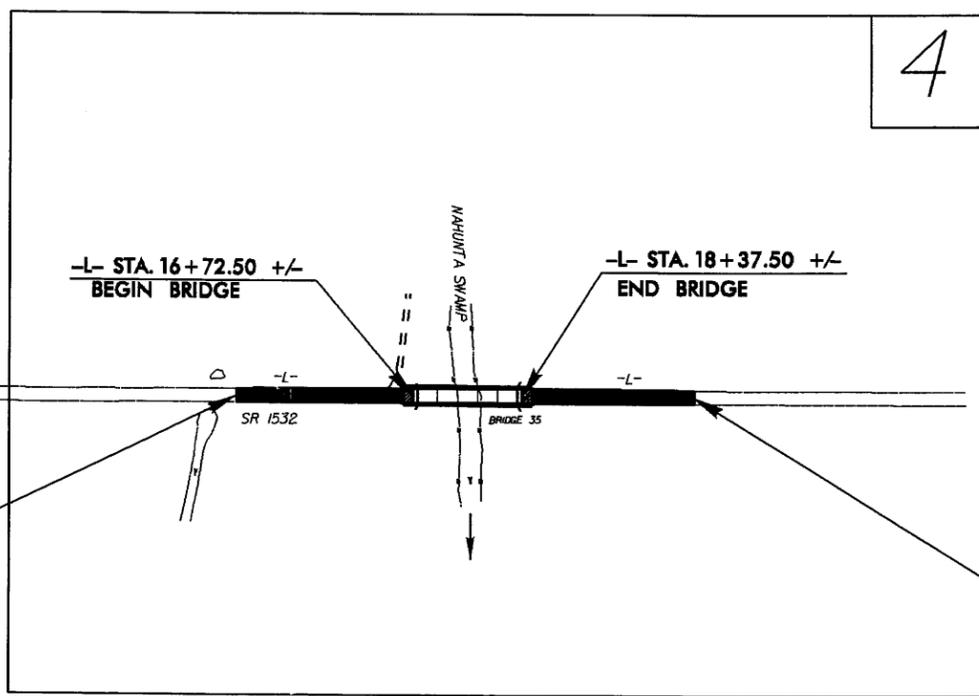
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4671	1	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
33826.1.1	BRZ-1532(3)	PE	
33826.2.1	BRZ-1532(3)	R/W & UTIL	



Detour Route

VICINITY MAP

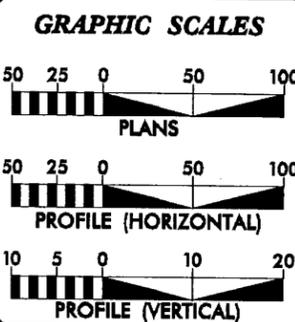
THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.



4

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



DESIGN DATA

ADT 2006 =	225
ADT 2030 =	500
DHV =	60 %
D =	10 %
T =	3 % *
V =	55 MPH
* TTST 1%	DUAL 2%

FUNCTIONAL CLASSIFICATION
RURAL LOCAL

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-4671 =	0.102 MILES
LENGTH STRUCTURE TIP PROJECT B-4671 =	0.031 MILES
TOTAL LENGTH TIP PROJECT B-4671 =	0.133 MILES

Prepared In the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: DECEMBER 18, 2007	G.E. BREW, PE PROJECT ENGINEER
LETTING DATE: DECEMBER 16, 2008	I.T. YOUNIS PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.

**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA**

STATE HIGHWAY DESIGN ENGINEER

TIP PROJECT: B-4671

CONTRACT:

18-JAN-2008 08:42
r:\roadway\proj\01\4671\rdy_tsh.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

3/15/06

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○
Property Corner	⊕
Property Monument	⊕
Parcel/Sequence Number	Ⓜ
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	-v-l-b-
Proposed Wetland Boundary	-v-l-b-
Existing Endangered Animal Boundary	-e-a-b-
Existing Endangered Plant Boundary	-e-p-b-

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	Ⓜ
Well	Ⓜ
Small Mine	Ⓜ
Foundation	▭
Area Outline	▭
Cemetery	Ⓜ
Building	▭
School	▭
Church	▭
Dam	▭

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	▭
Jurisdictional Stream	-j-s-
Buffer Zone 1	-b-z-1-
Buffer Zone 2	-b-z-2-
Flow Arrow	←
Disappearing Stream	→
Spring	○
Wetland	-v-l-b-
Proposed Lateral, Tail, Head Ditch	-----
False Sump	▭

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○
Switch	Ⓜ
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	-----
Proposed Right of Way Line with Concrete or Granite Marker	-----
Existing Control of Access	Ⓜ
Proposed Control of Access	Ⓜ
Existing Easement Line	-e-
Proposed Temporary Construction Easement	-e-
Proposed Temporary Drainage Easement	-t-d-e-
Proposed Permanent Drainage Easement	-p-d-e-
Proposed Permanent Utility Easement	-p-u-e-

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	-c-
Proposed Slope Stakes Fill	-f-
Proposed Wheel Chair Ramp	Ⓜ
Proposed Wheel Chair Ramp Curb Cut	Ⓜ
Curb Cut for Future Wheel Chair Ramp	Ⓜ
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	Ⓜ
Pavement Removal	▭

VEGETATION:

Single Tree	Ⓜ
Single Shrub	Ⓜ
Hedge	-----
Woods Line	-----
Orchard	Ⓜ
Vineyard	Ⓜ

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	-----
Bridge Wing Wall, Head Wall and End Wall	-----
MINOR:	
Head and End Wall	-----
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	Ⓜ
Paved Ditch Gutter	-----
Storm Sewer Manhole	Ⓜ
Storm Sewer	-----

UTILITIES:

POWER:	
Existing Power Pole	Ⓜ
Proposed Power Pole	Ⓜ
Existing Joint Use Pole	Ⓜ
Proposed Joint Use Pole	Ⓜ
Power Manhole	Ⓜ
Power Line Tower	Ⓜ
Power Transformer	Ⓜ
U/G Power Cable Hand Hole	Ⓜ
H-Frame Pole	Ⓜ
Recorded U/G Power Line	-----
Designated U/G Power Line (S.U.E.*)	-----

TELEPHONE:

Existing Telephone Pole	Ⓜ
Proposed Telephone Pole	Ⓜ
Telephone Manhole	Ⓜ
Telephone Booth	Ⓜ
Telephone Pedestal	Ⓜ
Telephone Cell Tower	Ⓜ
U/G Telephone Cable Hand Hole	Ⓜ
Recorded U/G Telephone Cable	-----
Designated U/G Telephone Cable (S.U.E.*)	-----
Recorded U/G Telephone Conduit	-----
Designated U/G Telephone Conduit (S.U.E.*)	-----
Recorded U/G Fiber Optics Cable	-----
Designated U/G Fiber Optics Cable (S.U.E.*)	-----

WATER:

Water Manhole	Ⓜ
Water Meter	Ⓜ
Water Valve	Ⓜ
Water Hydrant	Ⓜ
Recorded U/G Water Line	-----
Designated U/G Water Line (S.U.E.*)	-----
Above Ground Water Line	-----

TV:

TV Satellite Dish	Ⓜ
TV Pedestal	Ⓜ
TV Tower	Ⓜ
U/G TV Cable Hand Hole	Ⓜ
Recorded U/G TV Cable	-----
Designated U/G TV Cable (S.U.E.*)	-----
Recorded U/G Fiber Optic Cable	-----
Designated U/G Fiber Optic Cable (S.U.E.*)	-----

GAS:

Gas Valve	Ⓜ
Gas Meter	Ⓜ
Recorded U/G Gas Line	-----
Designated U/G Gas Line (S.U.E.*)	-----
Above Ground Gas Line	-----

SANITARY SEWER:

Sanitary Sewer Manhole	Ⓜ
Sanitary Sewer Cleanout	Ⓜ
U/G Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
Recorded SS Forced Main Line	-----
Designated SS Forced Main Line (S.U.E.*)	-----

MISCELLANEOUS:

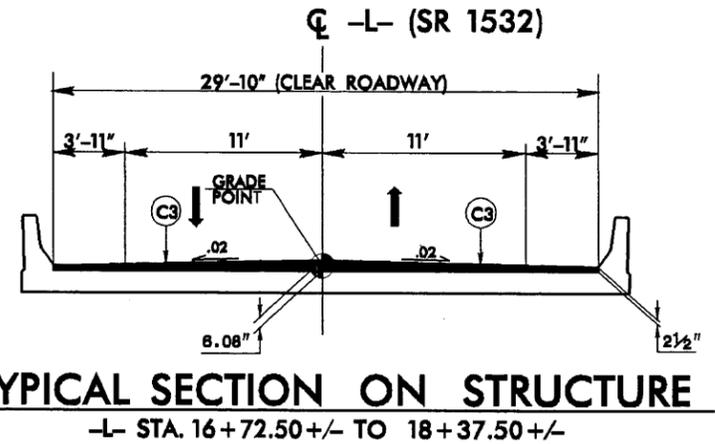
Utility Pole	Ⓜ
Utility Pole with Base	Ⓜ
Utility Located Object	Ⓜ
Utility Traffic Signal Box	Ⓜ
Utility Unknown U/G Line	-----
U/G Tank; Water, Gas, Oil	▭
A/G Tank; Water, Gas, Oil	▭
U/G Test Hole (S.U.E.*)	Ⓜ
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

6/2/99

PROJECT REFERENCE NO. B-4671	SHEET NO. 2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

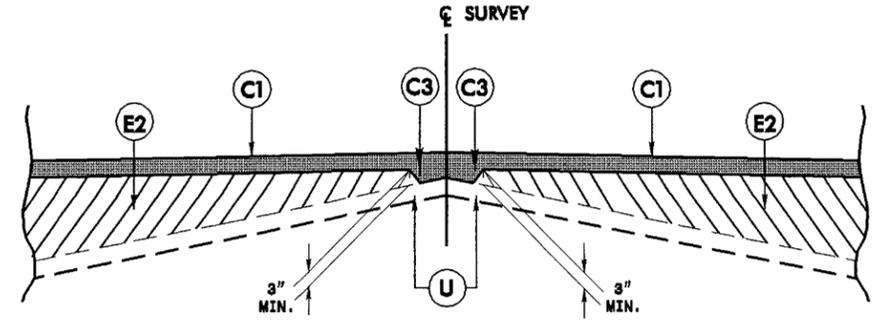
FINAL PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 2 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 1 1/4" IN DEPTH.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5 1/2" IN DEPTH.
R	SHOULDER BERM GUTTER
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
W	VARIABLE DEPTH ASPHALT PAVEMENT.

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

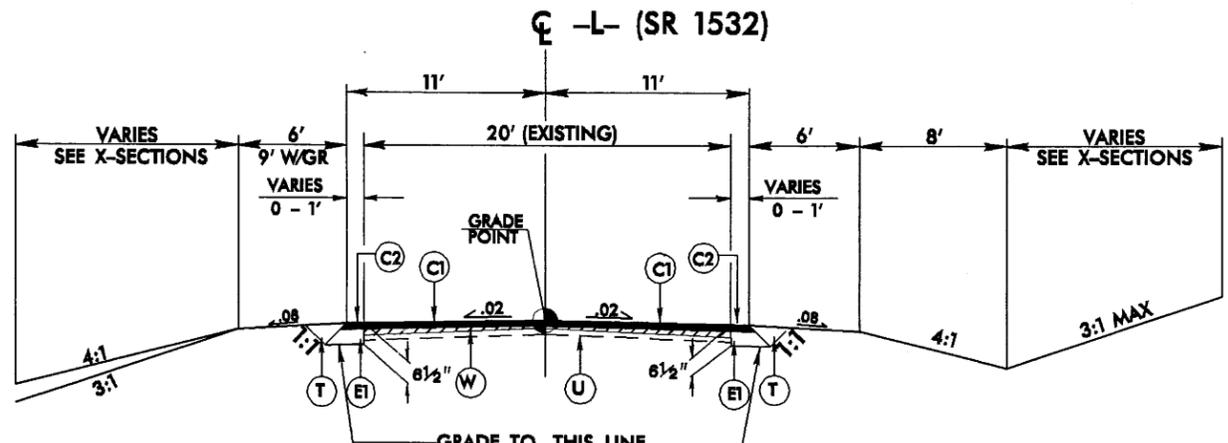


TYPICAL SECTION ON STRUCTURE

-L- STA. 16+72.50 +/- TO 18+37.50 +/-



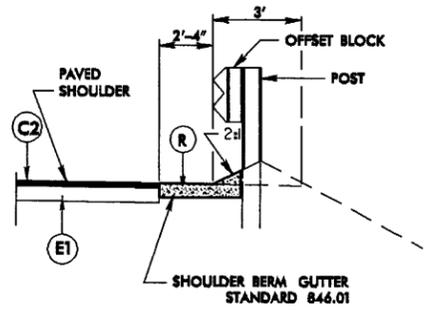
Detail Showing Method of Wedging
USE WITH TYPICAL SECTION NO. 1



TYPICAL SECTION NO. 1

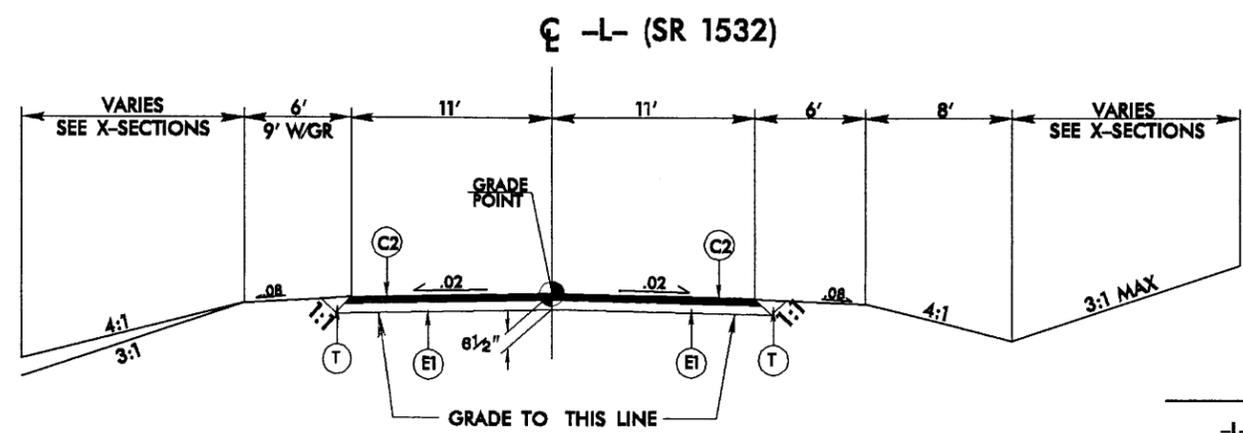
USE TYPICAL SECTION NO. 1

- L- STA 14+00.00 TO 14+50.00 TRANSITION FROM EXISTING TO T.S. 1
- L- STA 14+50.00 TO 16+00.00
- L- STA 19+00.00 TO 20+50.00
- L- STA 20+50.00 TO 21+00.00 TRANSITION FROM T.S. 1 TO EXISTING



DETAIL SHOWING SHOULDER BERM GUTTER

(SEE STD 846.02)
SEE PLANS FOR LOCATIONS



TYPICAL SECTION NO. 2

USE TYPICAL SECTION NO. 2

- L- STA 16+00.00 TO 16+72.50 +/- (BEGIN BRIDGE)
- L- STA 18+37.50 +/- (END BRIDGE) TO 19+00.00

18-JAN-2008 08:42
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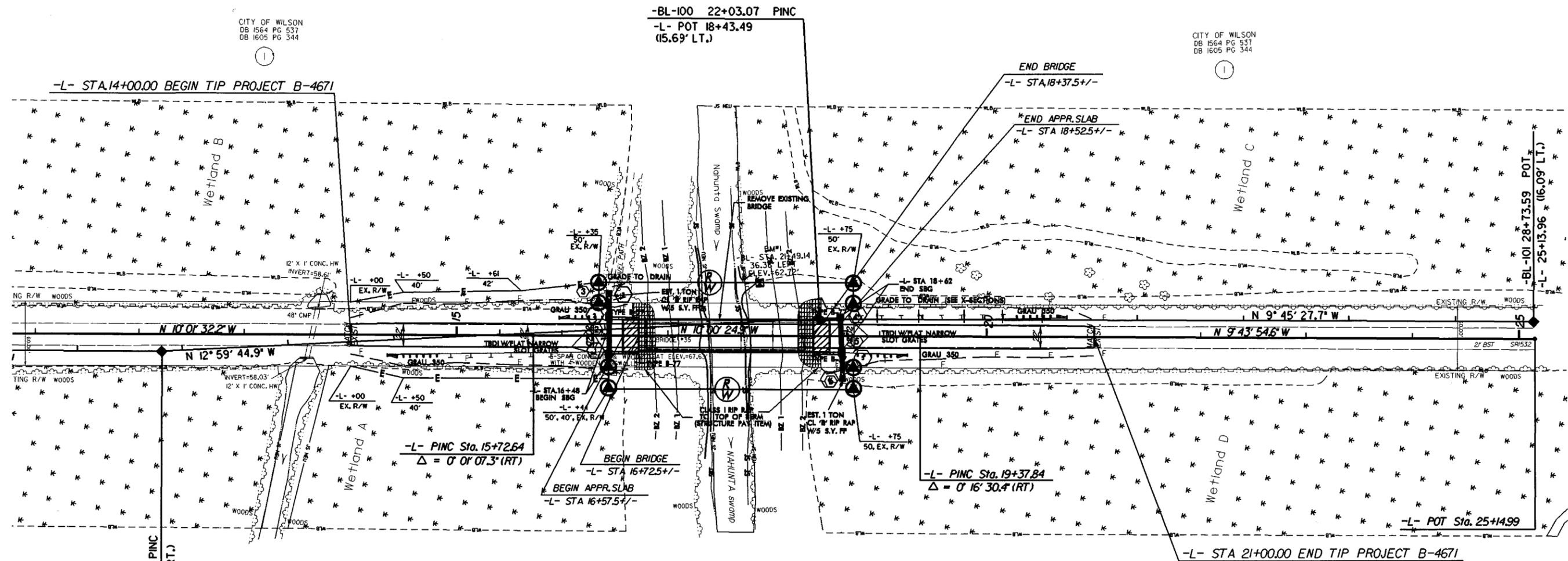
8/17/99

PROJECT REFERENCE NO. B-4671	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

FOR PROFILE OF LINE -L- SEE SHEET 5



REVISIONS



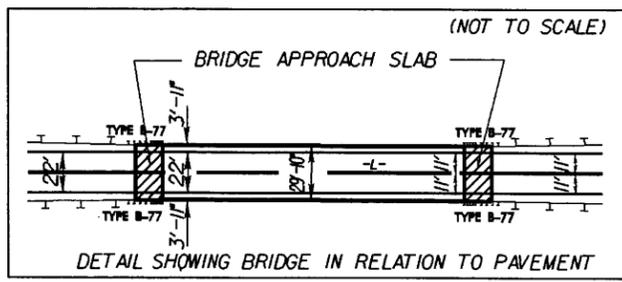
CITY OF WILSON
DB 1564 PG 537
DB 1605 PG 344

CITY OF WILSON
DB 1564 PG 537
DB 1605 PG 344

CITY OF WILSON
DB 1564 PG 537
DB 1605 PG 344

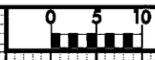
CITY OF WILSON
DB 1564 PG 537
DB 1605 PG 344

GPS B4671-2 15+80.23 PINC
-L- STA 12+21.53 (16.91' RT.)

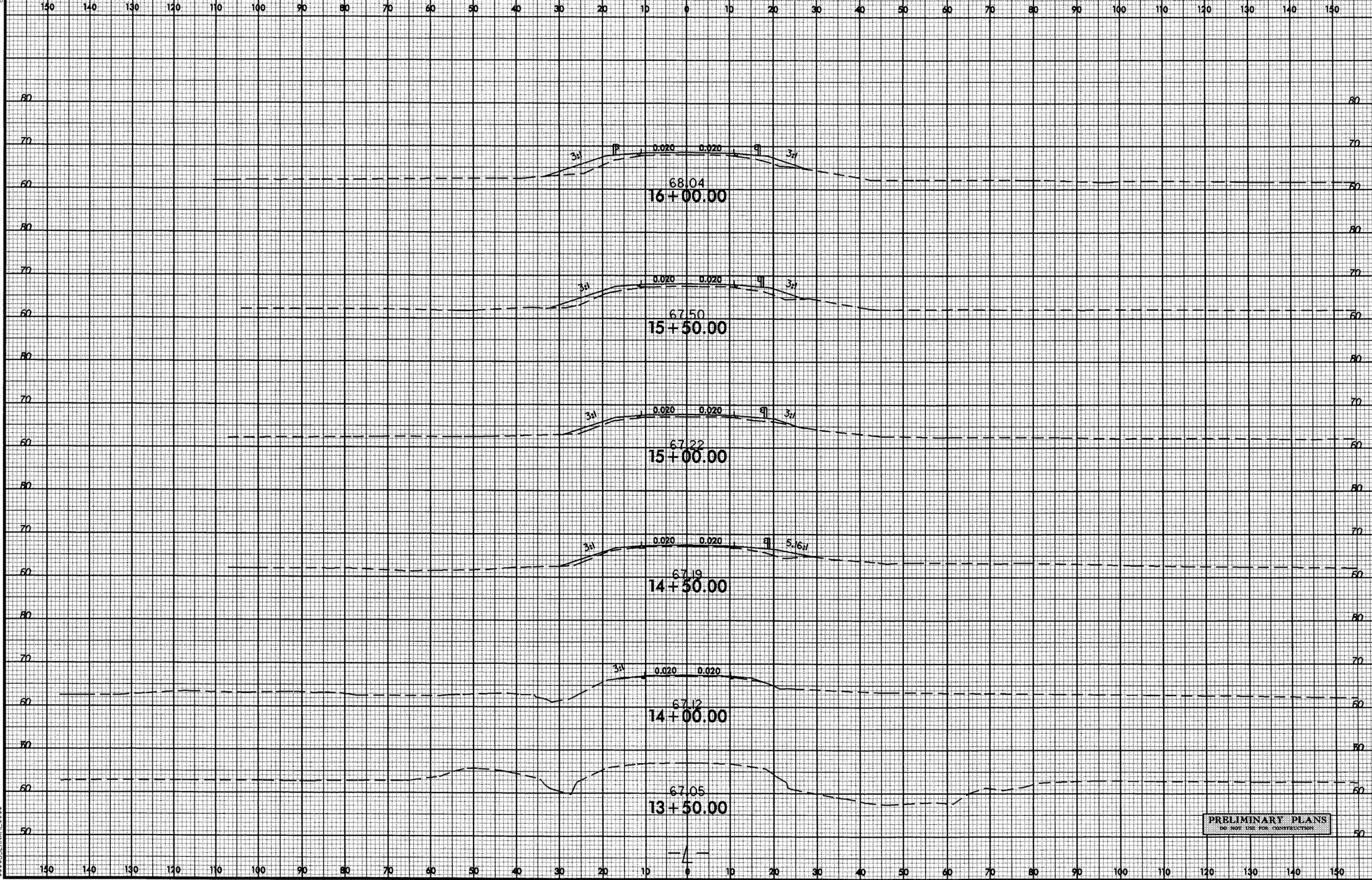


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8/23/99



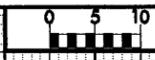
PROJ. REFERENCE NO. B-4671 SHEET NO. X-1



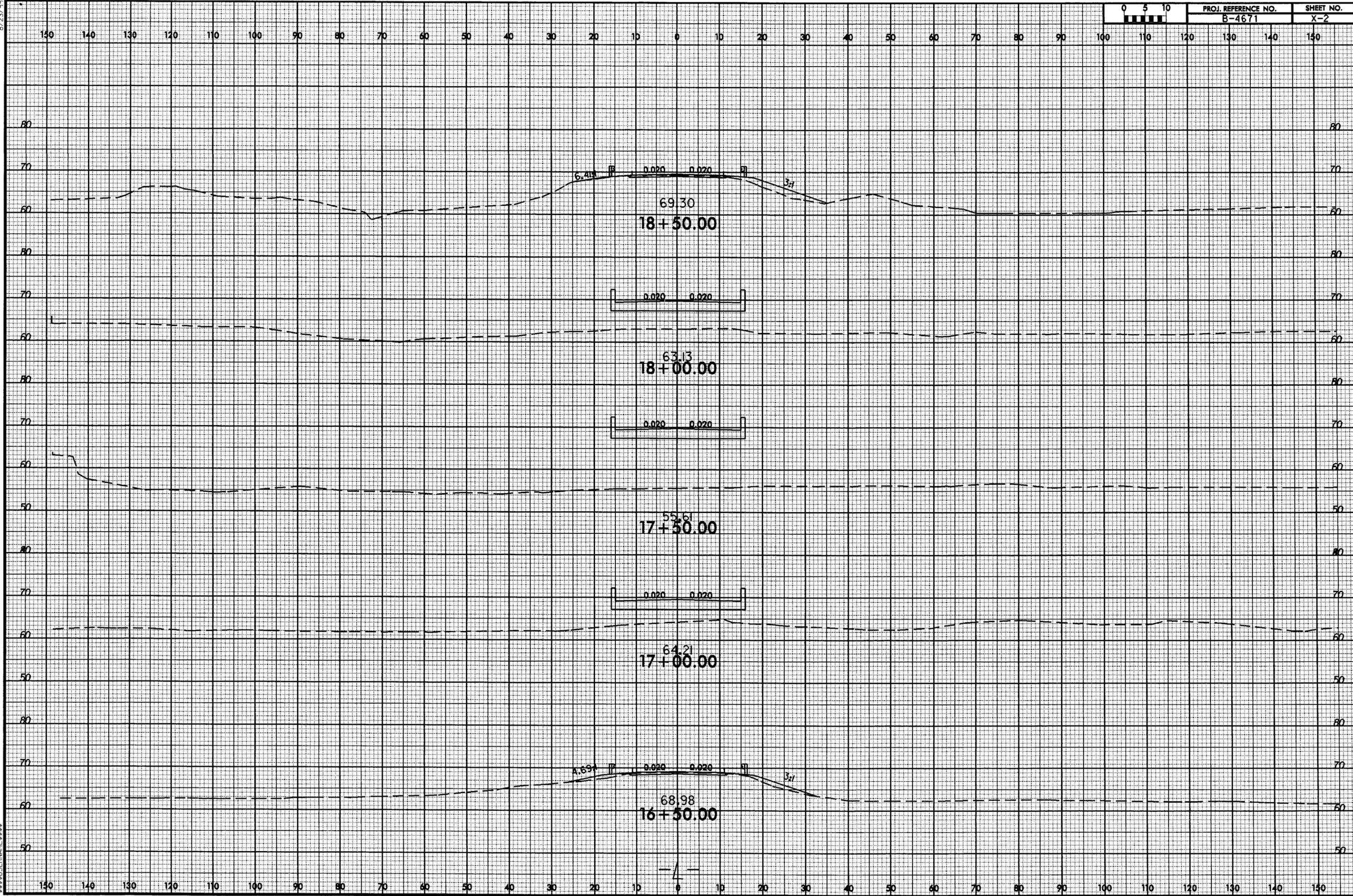
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PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION

8/23/99

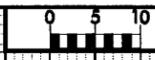


PROJ. REFERENCE NO.	SHEET NO.
B-4671	X-2

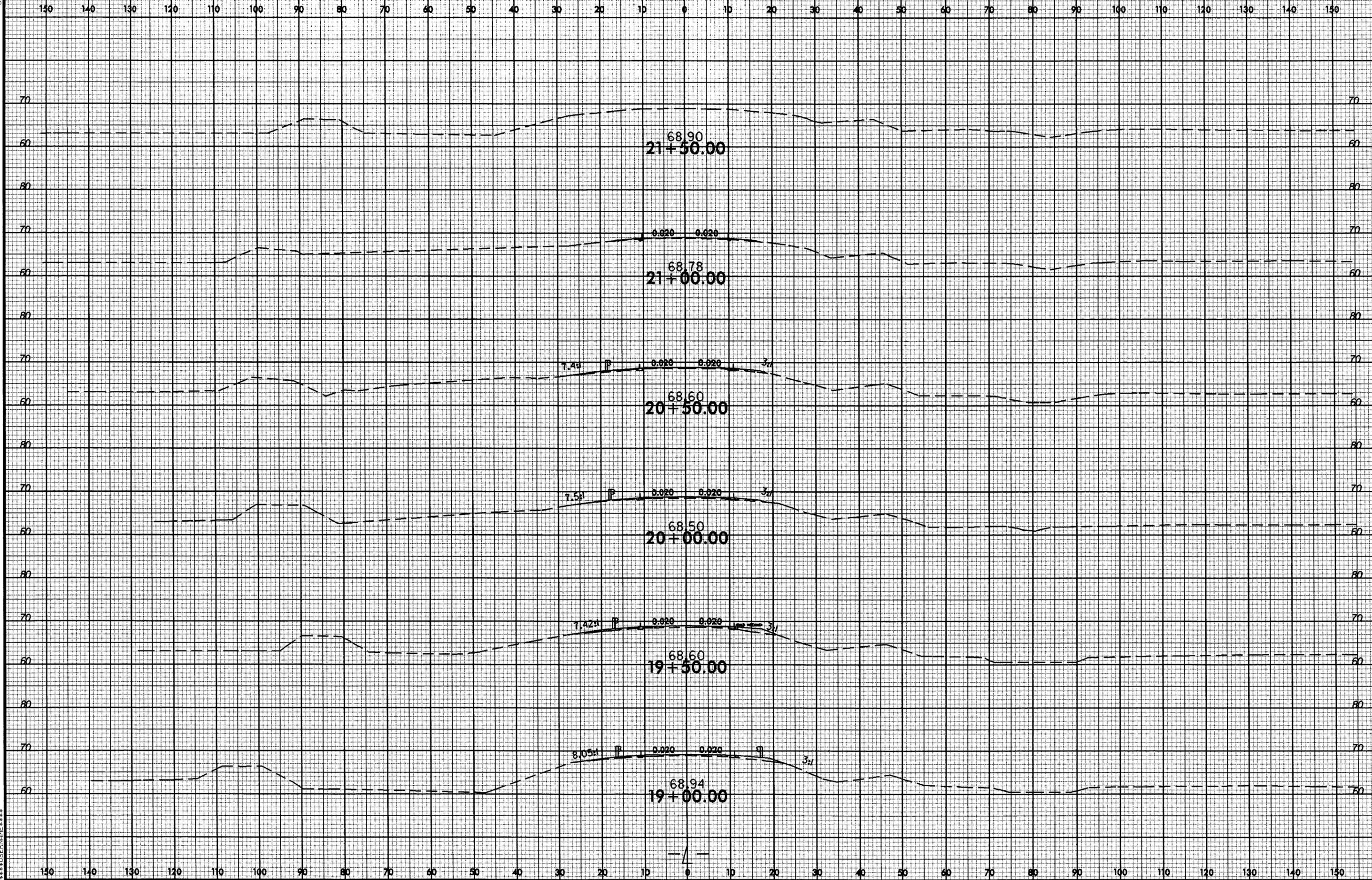


18 JAN 2008 08:42:46 B-4671-xy.plt.dgn

8/28/99

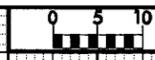


PROJ. REFERENCE NO. B-4671 SHEET NO. X-3



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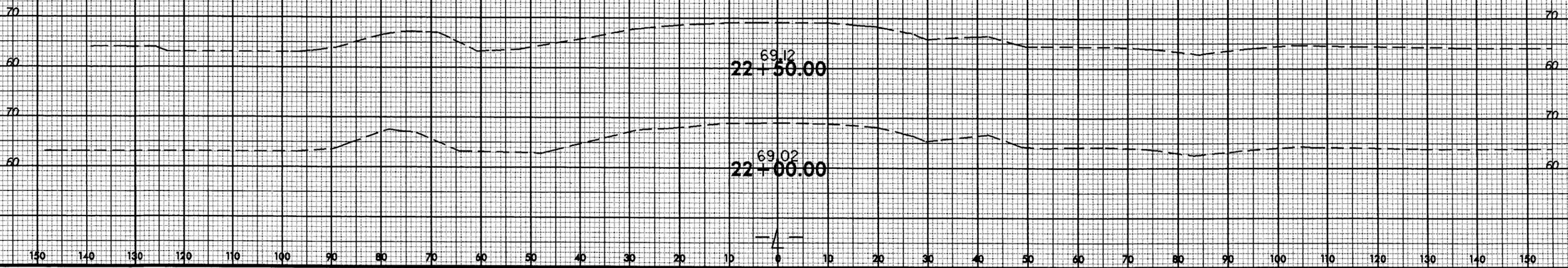
8/28/99



PROJ. REFERENCE NO.
B-4671

SHEET NO.
X-4

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



18 JAN-2008 08:42
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CATEGORICAL EXCLUSION ACTION CLASSIFICATION FORM

TIP Project No.	<u>B-4671</u>
State Project No.	<u>8.2331701</u>
W.B.S. No.	<u>33826.1.1</u>
Federal Project No.	<u>BRZ-1532(3)</u>

A. Project Description:

The purpose of this project is to replace Wayne County Bridge No. 35 on SR 1532 over Nahunta Swamp. Bridge No. 35 is 151 feet long. The replacement structure will be a bridge approximately 165 to 170 feet long providing a minimum 28 feet clear deck width. The bridge will include two 11-foot lanes and a minimum of 3-foot offsets. The roadway grade of the new structure will be approximately the same as the existing structure.

The approach roadway will extend approximately 275 feet from the south end of the new bridge and 425 feet from the north end of the new bridge. The approaches will be widened to include a 22-foot pavement width providing two 11-foot lanes. Four-foot grass shoulders will be provided on each side (7-foot shoulders where guardrail is included). The roadway will be designed as a Rural Local Route with a 60 mile per hour design speed.

Traffic will be detoured off-site during construction (see Figure 1).

B. Purpose and Need:

NCDOT Bridge Maintenance Unit records indicate Bridge No. 35 has a sufficiency rating of 46.9 out of a possible 100 for a new structure. The bridge is considered structurally deficient due to low structural evaluation of 2 out of 9 according to Federal Highway Administration (FHWA) standards and therefore eligible for FHWA's Highway Bridge Replacement and Rehabilitation Program.

Components of both the concrete superstructure and timber substructure have experienced an increasing degree of deterioration that can no longer be addressed by maintenance activities. The posted weight limit on the bridge is 25 tons for single vehicles and 28 tons for truck-tractor semi-trailers. The bridge is approaching the end of its useful life. Replacement of the bridge will result in safer traffic operations.

C. Proposed Improvements:

Circle one or more of the following Type II improvements which apply to the project:

1. Modernization of a highway by resurfacing, restoration, rehabilitation, reconstruction, adding shoulders, or adding auxiliary lanes (e.g., parking, weaving, turning, climbing).
 - a. Restoring, Resurfacing, Rehabilitating, and Reconstructing pavement (3R and 4R improvements)
 - b. Widening roadway and shoulders without adding through lanes
 - c. Modernizing gore treatments
 - d. Constructing lane improvements (merge, auxiliary, and turn lanes)
 - e. Adding shoulder drains
 - f. Replacing and rehabilitating culverts, inlets, and drainage pipes, including safety treatments
 - g. Providing driveway pipes
 - h. Performing minor bridge widening (less than one through lane)
 - i. Slide Stabilization
 - j. Structural BMP's for water quality improvement

2. Highway safety or traffic operations improvement projects including the installation of ramp metering control devices and lighting.
 - a. Installing ramp metering devices
 - b. Installing lights
 - c. Adding or upgrading guardrail
 - d. Installing safety barriers including Jersey type barriers and pier protection
 - e. Installing or replacing impact attenuators
 - f. Upgrading medians including adding or upgrading median barriers
 - g. Improving intersections including relocation and/or realignment
 - h. Making minor roadway realignment
 - i. Channelizing traffic
 - j. Performing clear zone safety improvements including removing hazards and flattening slopes
 - k. Implementing traffic aid systems, signals, and motorist aid
 - l. Installing bridge safety hardware including bridge rail retrofit

3. Bridge rehabilitation, reconstruction, or replacement or the construction of grade separation to replace existing at-grade railroad crossings.
 - a. Rehabilitating, reconstructing, or replacing bridge approach slabs
 - b. Rehabilitating or replacing bridge decks
 - c. Rehabilitating bridges including painting (no red lead paint), scour repair, fender systems, and minor structural improvements
 - d. Replacing a bridge (structure and/or fill)

4. Transportation corridor fringe parking facilities.

5. Construction of new truck weigh stations or rest areas.

6. Approvals for disposal of excess right-of-way or for joint or limited use of right-of-way, where the proposed use does not have significant adverse impacts.
7. Approvals for changes in access control.
8. Construction of new bus storage and maintenance facilities in areas used predominantly for industrial or transportation purposes where such construction is not inconsistent with existing zoning and located on or near a street with adequate capacity to handle anticipated bus and support vehicle traffic.
9. Rehabilitation or reconstruction of existing rail and bus buildings and ancillary facilities where only minor amounts of additional land are required and there is not a substantial increase in the number of users.
10. Construction of bus transfer facilities (an open area consisting of passenger shelters, boarding areas, kiosks and related street improvements) when located in a commercial area or other high activity center in which there is adequate street capacity for projected bus traffic.
11. Construction of rail storage and maintenance facilities in areas used predominantly for industrial or transportation purposes where such construction is not inconsistent with existing zoning and where there is no significant noise impact on the surrounding community.
12. Acquisition of land for hardship or protective purposes, advance land acquisition loans under section 3(b) of the UMT Act. Hardship and protective buying will be permitted only for a particular parcel or a limited number of parcels. These types of land acquisition qualify for a CE only where the acquisition will not limit the evaluation of alternatives, including shifts in alignment for planned construction projects, which may be required in the NEPA process. No project development on such land may proceed until the NEPA process has been completed.
13. Acquisition and construction of wetland, stream and endangered species mitigation sites.
14. Remedial activities involving the removal, treatment or monitoring of soil or groundwater contamination pursuant to state or federal remediation guidelines.

Special Project Information:

Estimated Costs:

Total Construction	\$ 750,000
Right of Way	\$ 6,000
Total	\$ 756,000

Estimated Traffic:

Current	-	225 vpd
Year 2030	-	500 vpd
TTST	-	1%
Dual	-	2%

Accidents: Traffic Engineering has evaluated a recent three year period and found no accidents occurring in the vicinity of the project

Design Exceptions: There are no anticipated design exceptions for this project.

Bridge Demolition: Bridge No. 35 is constructed entirely of timber and concrete and should be possible to remove with no resulting debris being dropped in Nahunta Swamp based on standard demolition practices.

Alternatives Discussion:

No Build – The no build alternative would result in eventually closing the road which is unacceptable given the volume of traffic served by SR 1532.

Rehabilitation – The bridge was constructed in 1961 and the timber materials within the bridge are reaching the end of their useful life. Rehabilitation would require replacing the timber components which would constitute effectively replacing the bridge.

Offsite Detour – Bridge No. 35 will be replaced on the existing alignment. Traffic will be detoured offsite (see Figure 1) during the construction period. NCDOT Guidelines for Evaluation of Offsite Detours for Bridge Replacement Projects considers multiple project variables beginning with the additional time traveled by the average road user resulting from the offsite detour. The offsite detour for this project would include SR 1616, SR 1058 (Greene County), and SR 1201 (Greene County). The majority of traffic on the road is through traffic. The detour for the average road user would result in 8 minutes additional travel time (3.5 miles additional travel). Up to a 4 month duration of construction is expected on this project.

Based on the Guidelines, the criteria above indicate that on the basis of delay alone the detour is acceptable. Wayne County Emergency Services along with Wayne County Schools Transportation have also indicated that the detour is acceptable. NCDOT Division 4 has indicated the condition of all roads, bridges and intersections on the offsite detour are acceptable without improvement and concurs with the use of the detour.

Onsite Detour – An onsite detour was not evaluated due to the presence of an acceptable offsite detour.

Staged Construction – Staged construction was not considered because of the availability of an acceptable offsite detour.

New Alignment – Given that the alignment for SR 1532 is acceptable, a new alignment was not considered as an alternative.

Other Agency Comments:

The **N.C. Wildlife Resource Commission** and **U.S. Fish & Wildlife Service** in standardized letters provided a request that they prefer any replacement structure to be a spanning structure.

The **Rail Division** had no special concerns for this project.

Public Involvement:

A letter was sent by the Location & Surveys Unit to all property owners affected directly by this project. Property owners were invited to comment. No comments have been received to date.

E. Threshold Criteria

The following evaluation of threshold criteria must be completed for Type II actions

<u>ECOLOGICAL</u>		<u>YES</u>	<u>NO</u>
(1)	Will the project have a substantial impact on any unique or important natural resource?	<input type="checkbox"/>	<u>X</u>
(2)	Does the project involve habitat where federally listed endangered or threatened species may occur?	<input checked="" type="checkbox"/>	_____
(3)	Will the project affect anadromous fish?	<input checked="" type="checkbox"/>	_____
(4)	If the project involves wetlands, is the amount of permanent and/or temporary wetland taking less than one-tenth (1/10) of an acre and have all practicable measures to avoid and minimize wetland takings been evaluated?	<u>X</u>	<input type="checkbox"/>
(5)	Will the project require the use of U. S. Forest Service lands?	<input type="checkbox"/>	<u>X</u>
(6)	Will the quality of adjacent water resources be adversely impacted by proposed construction activities?	<input type="checkbox"/>	<u>X</u>
(7)	Does the project involve waters classified as Outstanding Water Resources (OWR) and/or High Quality Waters (HQW)?	<input type="checkbox"/>	<u>X</u>
(8)	Will the project require fill in waters of the United States in any of the designated mountain trout counties?	<input type="checkbox"/>	<u>X</u>
(9)	Does the project involve any known underground storage tanks (UST's) or hazardous materials sites?	<input type="checkbox"/>	<u>X</u>
<u>PERMITS AND COORDINATION</u>		<u>YES</u>	<u>NO</u>
(10)	If the project is located within a CAMA county, will the project significantly affect the coastal zone and/or any "Area of Environmental Concern" (AEC)?	<input type="checkbox"/>	<u>X</u>
(11)	Does the project involve Coastal Barrier Resources Act resources?	<input type="checkbox"/>	<u>X</u>
(12)	Will a U. S. Coast Guard permit be required?	<input type="checkbox"/>	<u>X</u>
(13)	Will the project result in the modification of any existing regulatory floodway?	<input type="checkbox"/>	<u>X</u>

(14) Will the project require any stream relocations or channel changes? X

SOCIAL, ECONOMIC, AND CULTURAL RESOURCES

YES NO

(15) Will the project induce substantial impacts to planned growth or land use for the area? X

(16) Will the project require the relocation of any family or business? X

(17) Will the project have a disproportionately high and adverse human health and environmental effect on any minority or low-income population? X

(18) If the project involves the acquisition of right of way, is the amount of right of way acquisition considered minor? X

(19) Will the project involve any changes in access control? X

(20) Will the project substantially alter the usefulness and/or land use of adjacent property? X

(21) Will the project have an adverse effect on permanent local traffic patterns or community cohesiveness? X

(22) Is the project included in an approved thoroughfare plan and/or Transportation Improvement Program (and is, therefore, in conformance with the Clean Air Act of 1990)? X

(23) Is the project anticipated to cause an increase in traffic volumes? X

(24) Will traffic be maintained during construction using existing roads, staged construction, or on-site detours? X

(25) If the project is a bridge replacement project, will the bridge be replaced at its existing location (along the existing facility) and will all construction proposed in association with the bridge replacement project be contained on the existing facility? X

(26) Is there substantial controversy on social, economic, or environmental grounds concerning the project? X

(27) Is the project consistent with all Federal, State, and local laws relating to the environmental aspects of the project? X

(28) Will the project have an "effect" on structures/properties eligible for or listed on the National Register of Historic Places? X

- (29) Will the project affect any archaeological remains which are important to history or pre-history? X
- (30) Will the project require the use of Section 4(f) resources (public parks, recreation lands, wildlife and waterfowl refuges, historic sites, or historic bridges, as defined in Section 4(f) of the U. S. Department of Transportation Act of 1966)? X
- (31) Will the project result in any conversion of assisted public recreation sites or facilities to non-recreation uses, as defined by Section 6(f) of the Land and Water Conservation Act of 1965, as amended? X
- (32) Will the project involve construction in, across, or adjacent to a river designated as a component of or proposed for inclusion in the National System of Wild and Scenic Rivers? X

F. Additional Documentation Required for Unfavorable Responses in Part E

Response to Question 2: Habitat for the red-cockaded woodpecker is present in Nahunta Swamp. A Biological Conclusion of "No Effect" was determined for this endangered species.

Response to Question 3: NCDOT will follow all stream crossing guidelines for anadromous fish passage, including an in-water work moratorium from February 15 to June 15.

G. CE Approval

TIP Project No.	<u>B-4671</u>
State Project No.	<u>8.2331701</u>
W.B.S. No.	<u>33826.1.1</u>
Federal Project No.	<u>BRZ-1532(3)</u>

Project Description:

The purpose of this project is to replace Wayne County Bridge No. 35 on SR 1532 over Nahunta Swamp. Bridge No. 35 is 151 feet long. The replacement structure will be a bridge approximately 165 feet long providing a minimum 28 feet clear deck width. The bridge will include two 11-foot lanes and a minimum of 3-foot offsets. The roadway grade of the new structure will be approximately the same as the existing structure.

The approach roadway will extend approximately 275 feet from the southeast end of the new bridge and 425 feet from the northwest end of the new bridge. The approaches will be widened to include a 22-foot pavement width providing two 11-foot lanes. Four-foot grass shoulders will be provided on each side (7-foot shoulders where guardrail is included). The roadway will be designed as a Rural Local Route with a 60 mile per hour design speed.

Traffic will be detoured off-site during construction (see Figure 1).

Categorical Exclusion Action Classification:

<u> </u>	TYPE II(A)
<u> X </u>	TYPE II(B)

Approved:

<u>5-19-06</u>	<u>William Hood</u>
Date	Bridge Project Development Unit Head Project Development & Environmental Analysis Branch
<u>5-18-06</u>	<u>Jim Williams</u>
Date	Project Planning Group Leader Project Development & Environmental Analysis Branch

For Type II(B) projects only:

<u>5-19-06</u>	<u>John F. Sullivan, III</u>
Date	John F. Sullivan, III, PE, Division Administrator Federal Highway Administration

PROJECT COMMITMENTS:

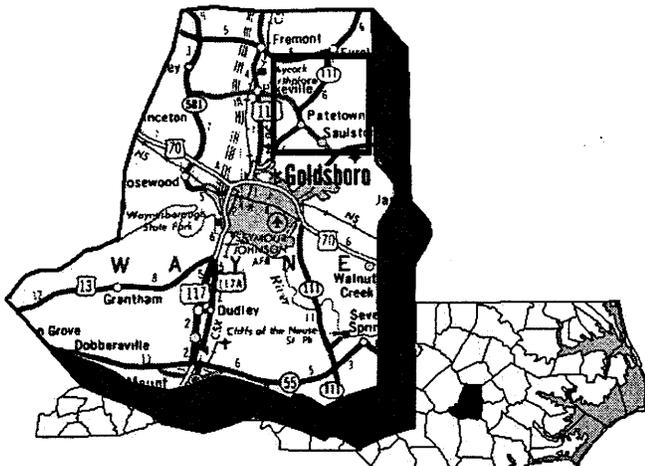
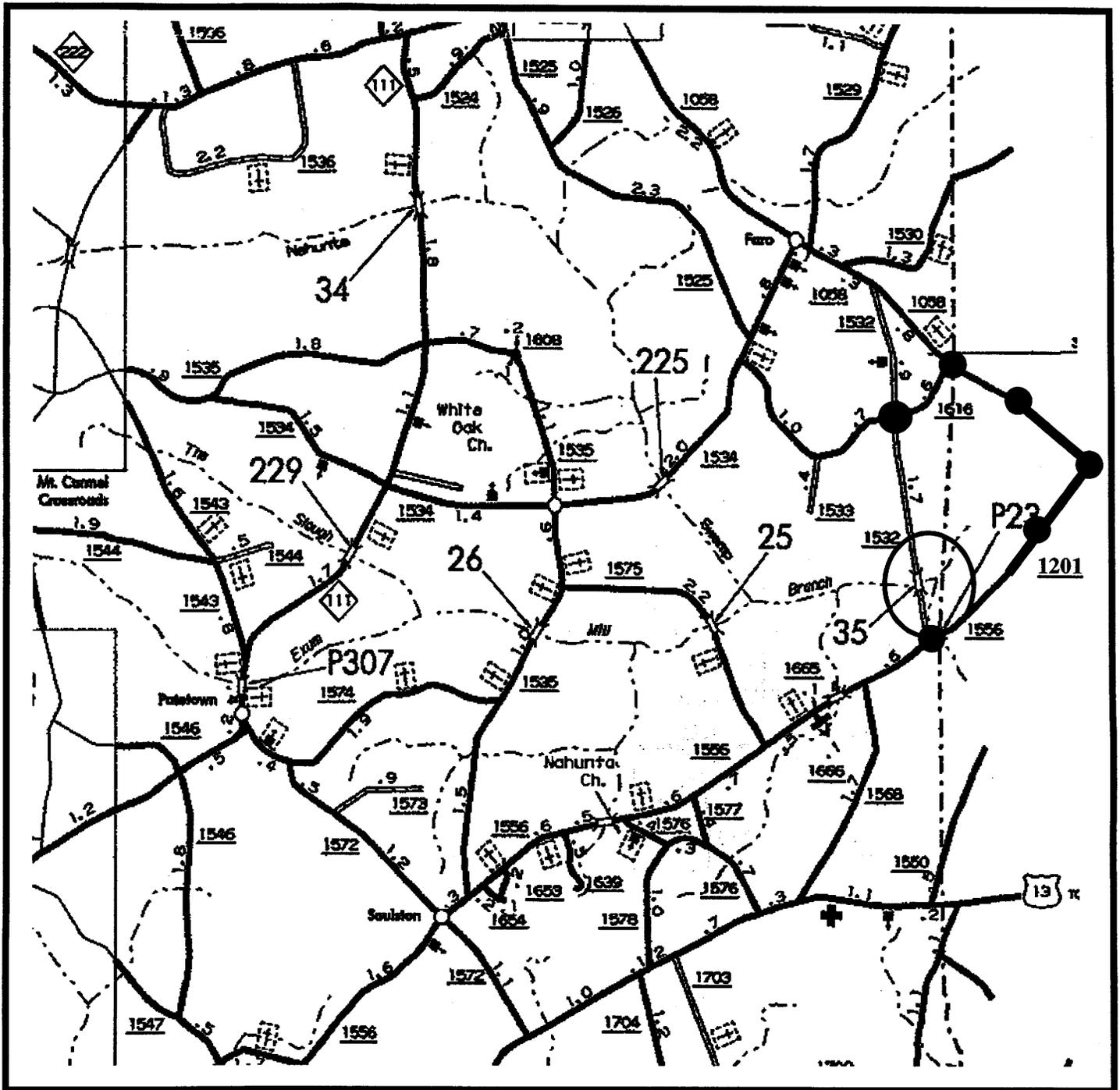
**Wayne County
Bridge No. 35 on SR 1532
Over Nahunta Swamp
Federal Aid Project No. BRZ-1532(3)
State Project No. 8.2331701
W.B.S. No. 33826.1.1
T.I.P. No. B-4671**

**Division 4 Construction Engineer, Structure Design Unit, Roadway Design Unit,
Roadside Environmental- Anadromous fish moratorium**

Anadromous fish species are found in this portion of Nahunta Swamp. NCDOT will follow all stream crossing guidelines for anadromous fish passage, including an in-water work moratorium from February 15 to June 15.

Bridge Demolition-

There is no anticipated temporary fill associated with the demolition of Bridge No. 35.



Studied Offsite Detour 



NORTH CAROLINA DEPARTMENT OF
TRANSPORTATION
DIVISION OF HIGHWAYS
PROJECT DEVELOPMENT &
ENVIRONMENTAL ANALYSIS BRANCH

WAYNE COUNTY
REPLACE BRIDGE NO. 35 ON SR 1532
OVER NAHUNTA SWAMP
B-4671

Figure 1



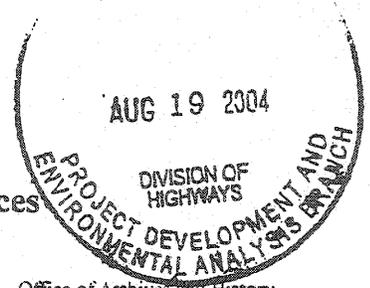
SR 1532 (Black Bottom Rd)

BEGIN STATE PROJECT B-4671
-L- STA. P.O.T. 10+00.00

END STATE PROJECT B-4671
-L- STA. P.O.T. 20+00.00

Nahunta Swamp

	<p>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS BRANCH</p>
<p>WAYNE COUNTY REPLACE BRIDGE NO. 35 ON SR 1532 OVER NAHUNTA SWAMP B-4671</p>	
<p>FIGURE 2</p>	



North Carolina Department of Cultural Resources
 State Historic Preservation Office
 Peter B. Sandbeck, Administrator

Michael F. Easley, Governor
 Lisbeth C. Evans, Secretary
 Jeffrey J. Crow, Deputy Secretary

Office of Archives and History
 Division of Historical Resources
 David Brook, Director

August 12, 2004

MEMORANDUM

TO: Gregory Thorpe, Ph.D., Director
 Project Development and Environmental Analysis Branch
 NCDOT Division of Highways

FROM: Peter B. Sandbeck *PBS for Peter Sandbeck*

SUBJECT: 2004 Bridge Projects, including B-3492, B-4408, B-4409, B-4410, B-4446,
 B-4466, B-4469, B-4518, B-4545, B-4573, B-4631, B-4423, B-4424, B-4454,
 B-4520, B-4538, B-4540, B-4548, B-4549, B-4567, B-4578, B-4648, B-4664,
 B-4665, B-4504, B-4560, B-4587, B-4618, B-4644, B-4649, B-4651, B-4658,
 B-4671, B-3624, B-3819, B-3911, B-4404, B-4552, B-4613, B-4646, B-4675,
 B-3169, B-3606, B-3802, B-3803, B-3804, B-4523, B-4524, B-4525, B-4526,
 Multi-county, ER 04-1280-ER 04-1330

On July 28, 2004, Sarah McBride, our preservation specialist for transportation projects, met with the North Carolina Department of Transportation (NCDOT) staff for a meeting of the minds concerning the above projects. We reported on our available information on historic architectural and archaeological surveys and resources along with our recommendations. NCDOT provided project descriptions, area photographs, and aerial photographs at the meeting.

Based on our review of the photographs and the information discussed at the meeting, we have included our comments for each bridge project on a spreadsheet attached to this letter. These comments are provided for each project as proposed.

If an archaeological survey is requested on the spreadsheet, a separate memorandum from the Office of State Archaeology, explaining whether a general survey is required or if the survey is predicated upon an off-site detour or new location, is attached.

Having provided this information, we look forward to receipt of either a Categorical Exclusion or Environmental Assessment which indicates how NCDOT addressed our comments.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

	Location	Mailing Address	Telephone/Fax
ADMINISTRATION	507 N. Blount Street, Raleigh NC	4617 Mail Service Center, Raleigh NC 27699-4617	(919)733-4763/733-8653
RESTORATION	515 N. Blount Street, Raleigh NC	4617 Mail Service Center, Raleigh NC 27699-4617	(919)733-6547/715-4801
SURVEY & PLANNING	515 N. Blount Street, Raleigh, NC	4617 Mail Service Center, Raleigh NC 27699-4617	(919)733-6545/715-4801

Thank you for your cooperation and considerations. If you have any questions concerning the above comment, please contact Renee Gledhill-Earley, environmental review coordinator, at 919/733-4763. In all future communication concerning this project, please cite the above referenced tracking number.

PBS:w

Attachments

1 Spreadsheet

16 Memos

cc: Matt Wilkerson, NCDOT
Mary Pope Furr

	BRIDGE	NUMBER	TOWNSHIP	YEAR BUILT	OWNER	PAVEMENT	INSPECTION		
FR04	1314	B-3492	580056	McDOWELL	13	1962	Hancock	Yes	No
FR04	1285	B-4408	030265	ANSON	10	1961	Hancock	No	No
FR04	1286	B-4409	030308	ANSON	10	1922	Hancock	No	No
FR04	1287	B-4410	030307	ANSON	10	1931	Hancock	Yes	No
FR04	1301	B-4446	100227	BUNCOMBE	13	1956	Hancock	No	No
FR04	1290	B-4466	210004	CLAY	14	1952	Hancock	No	No
FR04	1291	B-4469	220219	CLEVELAND	12	1952	Hancock	No	No
FR04	1289	B-4518	350110	GASTON	12	1962	Hancock	No	No
FR04	1307	B-4545	440072	HENDERSON	14	1963	Hancock	No	No
FR04	1300	B-4573	540183	LINCOLN	12	1965	Hancock	No	No
FR04	1306	B-4631	800526	RUTHERFORD	13	1970	Hancock	No	No
FR04	1357	B-4423	060067	BEAUFORT	2	1965	Capps	No	No
FR04	1330	B-4424	060068	BEAUFORT	2	1966	Capps	No	No
FR04	1302	B-4454	150043	CARTERET	2	1963	Capps	No	No
FR04	1292	B-4520	360032	GATES	1	1952	Capps	Yes	No
FR04	1280	B-4538	410025	HALIFAX	4	1965	Capps	No	No
FR04	1281	B-4540	410142	HALIFAX	4	1962	Capps	Yes	Yes
FR04	1308	B-4548	450002	HERTFORD	1	1960	Capps	No	Yes
FR04	1309	B-4549	450042	HERTFORD	1	1960	Capps	Yes	Yes
FR04	1299	B-4567	530069	LENOIR	2	1971	Capps	Yes	Yes
FR04	1298	B-4578	570008	MARTIN	1	1974	Capps	No	No
FR04	1328	B-4648	880017	TYRRELL	1	1977	Capps	No	No
FR04	1317	B-4664	920025	WARREN	5	1957	Capps	Yes	Yes
FR04	1318	B-4665	920036	WARREN	5	1955	Capps	No	Yes
FR04	1325	B-4504	320052	EDGECOMBE	4	1964	Johnson	No	Yes
FR04	1312	B-4560	500102	JOHNSTON	4	1956	Johnson	Yes	Yes
FR04	1297	B-4587	630082	NASH	4	1961	Johnson	No	Yes
FR04	1325	B-4618	770445	ROBESON	6	1955	Johnson	Yes	No
FR04	1284	B-4644	830057	STANLY	10	1961	Johnson	No	No
FR04	1324	B-4649	890377	UNION	10	1962	Johnson	No	No
FR04	1323	B-4651	890251	UNION	10	1957	Johnson	No	No
FR04	1315	B-4658	910345	WAKE	5	1960	Johnson	No	No
FR04	1313	B-4671	950035	WAYNE	4	1961	Johnson	No	Yes
FR04	1327	B-3624	130190	CALDWELL	11	1981	Pipkin	No	No
FR04	1328	B-3819	130184	CALDWELL	11	1962	Pipkin	No	No
FR04	1320	B-3911	850038	SURRY	11	1923	Pipkin	Yes	No
FR04	1286	B-4404	000102	ALAMANCE	7	1968	Pipkin	Yes	No
FR04	1310	B-4552	480100	IREDELL	12	1963	Pipkin	Yes	No
FR04	1295	B-4613	750415	RANDOLPH	8	1959	Pipkin	No	Yes
FR04	1294	B-4646	850132	SURRY	11	1962	Pipkin	Yes	No
FR04	1311	B-4675	960034	WILKES	11	1960	Pipkin	No	No
FR04	1293	B-3169	310158	DURHAM	5	1960	Williams	Yes	No
FR04	1303	B-3606	040070	ASHE	11	1963	Williams	Yes	No
FR04	1282	B-3802	040229	ASHE	11	1960	Williams	No	No
FR04	1304	B-3803	040334	ASHE	11	1966	Williams	Yes	No
FR04	1283	B-3804	040296	ASHE	11	1964	Williams	Yes	No
FR04	1319	B-4523	380164	GRANVILLE	5	1955	Williams	No	Yes
FR04	1320	B-4524	380193	GRANVILLE	5	1956	Williams	No	Yes
FR04	1321	B-4525	380133	GRANVILLE	5	1960	Williams	No	Yes
FR04	1322	B-4526	380200	GRANVILLE	5	1957	Williams	No	Yes



North Carolina Department of Cultural Resources
State Historic Preservation Office

Peter B. Sandbeck, Administrator

Michael F. Easley, Governor
Lisbeth C. Evans, Secretary
Jeffrey J. Crow, Deputy Secretary

Office of Archives and History
Division of Historical Resources
David Brook, Director

May 2, 2006

MEMORANDUM

TO: Matt Wilkerson, Archaeology Supervisor
Division of Highways
Department of Transportation

FROM: Peter Sandbeck *P. Sandbeck*

SUBJECT: Archaeological Potential of the Replacement of Bridge 35 on SR 1532 over Exum Mill Branch, B-4671, Wayne County, ER 04-1313

Thank you for your letter of April 12, 2006, transmitting the archaeological reconnaissance survey and literature search for the above project.

The report author noted that no significant cultural resources were discovered within the Area of Potential Effect (APE) during the archaeological survey and that no further archaeological investigations are necessary and/or warranted. We concur with this recommendation.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and considerations. If you have any questions concerning the above comment, please contact Renee Gledhill-Earley, environmental review coordinator, at 919.733.4763. In all future communication concerning this project, please cite the above referenced tracking number.

ADMINISTRATION
RESTORATION
SURVEY & PLANNING

Location
507 N. Blount Street, Raleigh NC
515 N. Blount Street, Raleigh NC
515 N. Blount Street, Raleigh, NC

Mailing Address
4617 Mail Service Center, Raleigh NC 27699-4617
4617 Mail Service Center, Raleigh NC 27699-4617
4617 Mail Service Center, Raleigh NC 27699-4617

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(919) 733-6547/715-4801
(919) 733-6545/715-4801