STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

April 17, 2012

Mr. Ronnie Smith
U. S. Army Corps of Engineers
Regulatory Field Office
69 Darlington Avenue
Wilmington, NC 28403

Dear Sir:

Subject: **Application for Section 404 Nationwide Permits (NWP) 23, Section 401 Water Quality Certification and Tar Pamlico Buffer Authorization** for the replacement of Bridge No. 95 over Johnson's Mill Run on SR 1401 in Pitt County; TIP Project B-4787; Federal Aid Project No. BRZ-1401(4); Debit $240 from WBS 38557.1.1.

Please find enclosed PCN, permit drawings, utility drawings, stormwater management plan, and roadway plans for the above referenced project proposed by the North Carolina Department of Transportation (NCDOT). A Programmatic Categorical Exclusion (PCE) was completed for this project on August 25, 2010 and distributed shortly thereafter. Additional copies are available upon request. The NCDOT proposes to replace existing Bridge No. 95 over Johnson's Mill Run on SR 1401 in Pitt County. The project involves replacement of the existing two span 70-foot timber bridge and approaches with a new two span 105-foot bridge. The roadway approaches will be improved by widening the travel lanes and providing grass shoulders and guardrail for approximately 400 feet on each side of the bridge. This will provide for a 22-foot pavement width, including two 11-foot lanes and six-foot grass shoulders.

The project will impact riparian buffers due to bridge construction, approach work, and utility relocation. Roadway, bridge and utilities buffer impacts involve 6,264 sq. ft. in Zone 1 and 1,248 sq. ft. in Zone 2. Traffic will be detoured off-site during construction.

This project calls for a letting date of November 20, 2012 and a review date of October 2, 2012; however, the let date may advance as additional funding becomes available.

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

TELEPHONE: 919-707-6100
FAX: 919-212-5785

WEBSITE: WWW.NCDOT.ORG

LOCATION:
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610-4328

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 Corps of Engineers issued a Nationwide Permit No. 23 for this project on December 16, 2010, apparently in response to NCDOT's request for a preliminary jurisdictional determination dated November 25, 2009, although no application was submitted for this project. This permit authorization (COE Action ID 201002112, see attached) expired on March 18, 2012. The NCDOT requests that the project be re-authorized by NWP 23.

Section 401 Permit: We anticipate 401 General Certification number 3891 will apply to this project. NCDOT is requesting written concurrence from the North Carolina Department of Environmental and Natural Resources, Division of Water Quality. We are providing five copies of this application to the NCDWQ for their approval.

Tar-Pamlico Riparian Buffer Rules:
We request approval of the project from NCDWQ pursuant to the Tar-Pamlico Buffer rules.

A copy of this permit application and its distribution list 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 Gordon Cashin at (919) 707-6107.

Sincerely,

E. L. Lusk

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

cc

NCDOT Permit Application Standard Distribution List.

Office Use Only:
Corps action ID no. _____
DWQ project no. _____
Form Version 1.3 Dec 10 2008

Pre-Construction Notification (PCN) Form

A. Applicant Information

1. Processing

1a. Type(s) of approval sought from the Corps:	☒ Section 404 Permit	☐ Section 10 Permit
1b. Specify Nationwide Permit (NWP) number: 23	or General Permit (GP) number:	
1c. Has the NWP or GP number been verified by the Corps?	☒ Yes	☐ No

1d. Type(s) of approval sought from the DWQ (check all that apply):

☒ 401 Water Quality Certification – Regular ☐ Non-404 Jurisdictional General Permit

☐ 401 Water Quality Certification – Express ☒ Riparian Buffer Authorization

1e. Is this notification solely for the record because written approval is not required?	For the record only for DWQ 401 Certification: ☐ Yes ☒ No	For the record only for Corps Permit: ☐ Yes ☒ No
1f. Is payment into a mitigation bank or in-lieu fee program proposed for mitigation of impacts? If so, attach the acceptance letter from mitigation bank or in-lieu fee program.		☐ Yes ☒ No
1g. Is the project located in any of NC's twenty coastal counties. If yes, answer 1h below.		☐ Yes ☒ No
1h. Is the project located within a NC DCM Area of Environmental Concern (AEC)?		☐ Yes ☒ No

2. Project Information

2a. Name of project:	Replacement of Bridge 95 over Johnson's Mill Run on SR 1401
2b. County:	Pitt
2c. Nearest municipality / town:	Greenville
2d. Subdivision name:	*not applicable*
2e. NCDOT only, T.I.P. or state project no:	B-4787

3. Owner Information

3a. Name(s) on Recorded Deed:	North Carolina Department of Transportation
3b. Deed Book and Page No.	*not applicable*
3c. Responsible Party (for LLC if applicable):	*not applicable*
3d. Street address:	1598 Mail Service Center
3e. City, state, zip:	Raleigh, NC 27699-1598
3f. Telephone no.:	(919) 707-6107
3g. Fax no.:	(919) 431-2002
3h. Email address:	gcashin@ncdot.gov

4. Applicant Information (if different from owner)	
4a. Applicant is:	☐ Agent ☐ Other, specify:
4b. Name:	*not applicable*
4c. Business name (if applicable):	
4d. Street address:	
4e. City, state, zip:	
4f. Telephone no.:	
4g. Fax no.:	
4h. Email address:	
5. Agent/Consultant Information (if applicable)	
5a. Name:	*not applicable*
5b. Business name (if applicable):	
5c. Street address:	
5d. City, state, zip:	
5e. Telephone no.:	
5f. Fax no.:	
5g. Email address:	

B. Project Information and Prior Project History		
1. Property Identification		
1a. Property identification no. (tax PIN or parcel ID):	*not applicable*	
1b. Site coordinates (in decimal degrees):	Latitude: 35.647532 (DD.DDDDDD)	Longitude: - 77.407351 (-DD.DDDDDD)
1c. Property size:	29.5 acres	
2. Surface Waters		
2a. Name of nearest body of water (stream, river, etc.) to proposed project:	Johnson's Mill Run	
2b. Water Quality Classification of nearest receiving water:	WS-IV, NSW	
2c. River basin:	Tar-Pamlico River Basin	
3. Project Description		
3a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application: Primarily maintained/disturbed with some forested.		
3b. List the total estimated acreage of all existing wetlands on the property: 0.18		
3c. List the total estimated linear feet of all existing streams (intermittent and perennial) on the property: 500		
3d. Explain the purpose of the proposed project: To replace a bridge that has timber elements greater than 40 years old.		
3e. Describe the overall project in detail, including the type of equipment to be used: The project involves replacing a 70-foot bridge with a 105-foot bridge on the existing alignment with an off-site detour. Standard road building equipment, such as trucks, dozers, and cranes will be used.		
4. Jurisdictional Determinations		
4a. Have jurisdictional wetland or stream determinations by the Corps or State been requested or obtained for this property / project (including all prior phases) in the past? Comments: NCDOT requested a preliminary jurisdictional determination by letter dated November 9, 2009.	☒ Yes ☐ No ☐ Unknown	
4b. If the Corps made the jurisdictional determination, what type of determination was made?	☒ Preliminary ☐ Final	
4c. If yes, who delineated the jurisdictional areas? Name (if known): Worth Calfee	Agency/Consultant Company: NCDOT Other:	
4d. If yes, list the dates of the Corps jurisdictional determinations or State determinations and attach documentation. Preliminary JD was issued with NWP 23 on December 16, 2010.		
5. Project History		
5a. Have permits or certifications been requested or obtained for this project (including all prior phases) in the past?	☒ Yes ☐ No ☐ Unknown	
5b. If yes, explain in detail according to "help file" instructions. USACOE issued a NWP 23 for this project 12/16/2010 (Action ID 201002112)		
6. Future Project Plans		
6a. Is this a phased project?	☐ Yes ☒ No	
6b. If yes, explain.		

C. Proposed Impacts Inventory

1. Impacts Summary

1a. Which sections were completed below for your project (check all that apply):

☐ Wetlands ☒ Streams - tributaries ☒ Buffers

☐ Open Waters ☐ Pond Construction

2. Wetland Impacts

If there are wetland impacts proposed on the site, then complete this question for each wetland area impacted.

2a. Wetland impact number – Permanent (P) or Temporary (T)	2b. Type of impact	2c. Type of wetland (if known)	2d. Forested	2e. Type of jurisdiction (Corps - 404, 10 DWQ – non-404, other)	2f. Area of impact (acres)
Site 1 ☐ P ☐ T			☐ Yes ☐ No	☐ Corps ☐ DWQ	
Site 2 ☐ P ☐ T			☐ Yes ☐ No	☐ Corps ☐ DWQ	
Site 3 ☐ P ☐ T			☐ Yes ☐ No	☐ Corps ☐ DWQ	
Site 4 ☐ P ☐ T			☐ Yes ☐ No	☐ Corps ☐ DWQ	
Site 5 ☐ P ☐ T			☐ Yes ☐ No	☐ Corps ☐ DWQ	
Site 6 ☐ P ☐ T			☐ Yes ☐ No	☐ Corps ☐ DWQ	
				2g. **Total wetland impacts**	

2h. Comments:

3. Stream Impacts

If there are perennial or intermittent stream impacts (including temporary impacts) proposed on the site, then complete this question for all stream sites impacted.

3a. Stream impact number - Permanent (P) or Temporary (T)	3b. Type of impact	3c. Stream name	3d. Perennial (PER) or intermittent (INT)?	3e. Type of jurisdiction (Corps - 404, 10 DWQ – non-404, other)	3f. Average stream width (feet)	3g. Impact length (linear feet)
Site 1 ☐ P ☒ T	excavation	Johnson's Mill Run	☒ PER ☐ INT	☒ Corps ☒ DWQ	25	0.03
Site 2 ☐ P ☐ T			☐ PER ☐ INT	☐ Corps ☐ DWQ		
Site 3 ☐ P ☐ T			☐ PER ☐ INT	☐ Corps ☐ DWQ		
Site 4 ☐ P ☐ T			☐ PER ☐ INT	☐ Corps ☐ DWQ		
Site 5 ☐ P ☐ T			☐ PER ☐ INT	☐ Corps ☐ DWQ		
Site 6 ☐ P ☐ T			☐ PER ☐ INT	☐ Corps ☐ DWQ		
					3h. **Total stream and tributary impacts**	0.0 Perm 0.03 ac Temp

3i. Comments: There will be <0.01 ac of fill in surface waters due to bent installation. Up to 0.03 acres of temporary surface water impacts are proposed due to impacts from bank excavation, most of which is to occur above the normal water surface elevation.

4. Open Water Impacts

If there are proposed impacts to lakes, ponds, estuaries, tributaries, sounds, the Atlantic Ocean, or any other open water of the U.S. then individually list all open water impacts below.

4a. Open water impact number – Permanent (P) or Temporary (T)	4b. Name of waterbody (if applicable)	4c. Type of impact	4d. Waterbody type	4e. Area of impact (acres)
O1 ☐ P ☐ T				
O2 ☐ P ☐ T				
O3 ☐ P ☐ T				
O4 ☐ P ☐ T				
			4f. Total open water impacts	0.0 Permanent 0.0 Temporary

4g. Comments:

5. Pond or Lake Construction

If pond or lake construction proposed, then complete the chart below.

5a. Pond ID number	5b. Proposed use or purpose of pond	5c. Wetland Impacts (acres)			5d. Stream Impacts (feet)			5e. Upland (acres)
		Flooded	Filled	Excavated	Flooded	Filled	Excavated	Flooded
P1								
P2								
	5f. Total							

5g. Comments:

5h. Is a dam high hazard permit required?	☐ Yes ☐ No If yes, permit ID no:
5i. Expected pond surface area (acres):	
5j. Size of pond watershed (acres):	
5k. Method of construction:	

6. Buffer Impacts (for DWQ)

If project will impact a protected riparian buffer, then complete the chart below. If yes, then individually list all buffer impacts below. If any impacts require mitigation, then you **MUST** fill out Section D of this form.

6a. Project is in which protected basin?			☐ Neuse ☐ Catawba	☒ Tar-Pamlico ☐ Randleman	☐ Other:
6b. Buffer impact number – Permanent (P) or Temporary (T)	6c. Reason for impact	6d. Stream name	6e. Buffer mitigation required?	6f. Zone 1 impact (square feet)	6g. Zone 2 impact (square feet)
B1 ☒ P ☐ T	Bridge & roadway fill	Johnson's Mill Run	☐ Yes ☒ No	5,656	793
B2 ☐ P ☒ T	Utilities	Johnson's Mill Run	☐ Yes ☒ No	608	455
B3 ☐ P ☐ T			☐ Yes ☐ No		
			6h. **Total buffer impacts**	6,264	1,248
6i. Comments:					

D. Impact Justification and Mitigation		
1. Avoidance and Minimization		
1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing project. The proposed bridge is longer than the existing bridge with fewer spans; the proposed bridge will be at approximately the same grade as the existing structure; an off site detour will be used. Slopes of 3:1 will be utilized in jurisdictional areas.		
1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques. Top down construction and Design Standards in Sensitive Watersheds will be implemented.		
2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State		
2a. Does the project require Compensatory Mitigation for impacts to Waters of the U.S. or Waters of the State?	☐ Yes ☒ No If no, explain: Due to the minimal amount of impacts, compensatory mitigation is not proposed.	
2b. If yes, mitigation is required by (check all that apply):	☐ DWQ ☐ Corps	
2c. If yes, which mitigation option will be used for this project?	☐ Mitigation bank ☐ Payment to in-lieu fee program ☐ Permittee Responsible Mitigation	
3. Complete if Using a Mitigation Bank		
3a. Name of Mitigation Bank: not applicable		
3b. Credits Purchased (attach receipt and letter)	Type	Quantity
3c. Comments:		
4. Complete if Making a Payment to In-lieu Fee Program		
4a. Approval letter from in-lieu fee program is attached.	☐ Yes	
4b. Stream mitigation requested:	linear feet	
4c. If using stream mitigation, stream temperature:	☐ warm ☐ cool ☐ cold	
4d. Buffer mitigation requested (DWQ only):	square feet	
4e. Riparian wetland mitigation requested:	acres	
4f. Non-riparian wetland mitigation requested:	acres	
4g. Coastal (tidal) wetland mitigation requested:	acres	
4h. Comments:		
5. Complete if Using a Permittee Responsible Mitigation Plan		
5a. If using a permittee responsible mitigation plan, provide a description of the proposed mitigation plan.		

6. **Buffer Mitigation (State Regulated Riparian Buffer Rules) – required by DWQ**				
6a. Will the project result in an impact within a protected riparian buffer that requires buffer mitigation?			☐ Yes	☒ No
6b. If yes, then identify the square feet of impact to each zone of the riparian buffer that requires mitigation. Calculate the amount of mitigation required.				
Zone	6c. Reason for impact	6d. Total impact (square feet)	Multiplier	6e. Required mitigation (square feet)
Zone 1			3 (2 for Catawba)	
Zone 2			1.5	
	6f. **Total buffer mitigation required:**			
6g. If buffer mitigation is required, discuss what type of mitigation is proposed (e.g., payment to private mitigation bank, permittee responsible riparian buffer restoration, payment into an approved in-lieu fee fund).				
6h. Comments:				

E. Stormwater Management and Diffuse Flow Plan (required by DWQ)	
1. Diffuse Flow Plan	
1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules?	☒ Yes ☐ No
1b. If yes, then is a diffuse flow plan included? If no, explain why. Comments:	☒ Yes ☐ No
2. Stormwater Management Plan	
2a. What is the overall percent imperviousness of this project?	N/A
2b. Does this project require a Stormwater Management Plan?	☒ Yes ☐ No
2c. If this project DOES NOT require a Stormwater Management Plan, explain why:	
2d. If this project DOES require a Stormwater Management Plan, then provide a brief, narrative description of the plan: See attached permit drawings.	
2e. Who will be responsible for the review of the Stormwater Management Plan?	☐ Certified Local Government ☐ DWQ Stormwater Program ☒ DWQ 401 Unit
3. Certified Local Government Stormwater Review	
3a. In which local government's jurisdiction is this project?	not applicable
3b. Which of the following locally-implemented stormwater management programs apply (check all that apply):	☐ Phase II ☐ NSW ☐ USMP ☐ Water Supply Watershed ☐ Other:
3c. Has the approved Stormwater Management Plan with proof of approval been attached?	☐ Yes ☐ No
4. DWQ Stormwater Program Review	
4a. Which of the following state-implemented stormwater management programs apply (check all that apply):	☐ Coastal counties ☐ HQW ☐ ORW ☐ Session Law 2006-246 ☐ Other:
4b. Has the approved Stormwater Management Plan with proof of approval been attached?	☐ Yes ☐ No
5. DWQ 401 Unit Stormwater Review	
5a. Does the Stormwater Management Plan meet the appropriate requirements?	☐ Yes ☐ No N/A
5b. Have all of the 401 Unit submittal requirements been met?	☐ Yes ☐ No N/A

F. Supplementary Information		
1. Environmental Documentation (DWQ Requirement)		
1a. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land?	☒ Yes	☐ No
1b. If you answered "yes" to the above, does the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina) Environmental Policy Act (NEPA/SEPA)?	☒ Yes	☐ No
1c. If you answered "yes" to the above, has the document review been finalized by the State Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.) Comments:	☒ Yes	☐ No
2. Violations (DWQ Requirement)		
2a. Is the site in violation of DWQ Wetland Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), DWQ Surface Water or Wetland Standards, or Riparian Buffer Rules (15A NCAC 2B .0200)?	☐ Yes	☒ No
2b. Is this an after-the-fact permit application?	☐ Yes	☒ No
2c. If you answered "yes" to one or both of the above questions, provide an explanation of the violation(s):		
3. Cumulative Impacts (DWQ Requirement)		
3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality?	☐ Yes ☒ No	
3b. If you answered "yes" to the above, submit a qualitative or quantitative cumulative impact analysis in accordance with the most recent DWQ policy. If you answered "no," provide a short narrative description. Due to the minimal transportation impact resulting from this bridge replacement, this project will neither influence nearby land uses nor stimulate growth. Therefore, a detailed indirect or cumulative effects study will not be necessary.		
4. Sewage Disposal (DWQ Requirement)		
4a. 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. not applicable		

5. Endangered Species and Designated Critical Habitat (Corps Requirement)		
5a. Will this project occur in or near an area with federally protected species or habitat?	☐ Yes	☒ No
5b. Have you checked with the USFWS concerning Endangered Species Act impacts?	☒ Yes	☐ No
5c. If yes, indicate the USFWS Field Office you have contacted.	☒ Raleigh ☐ Asheville	
5d. What data sources did you use to determine whether your site would impact Endangered Species or Designated Critical Habitat? USFWS County Site, NC Natural Heritage site		
6. Essential Fish Habitat (Corps Requirement)		
6a. Will this project occur in or near an area designated as essential fish habitat?	☐ Yes	☒ No
6b. What data sources did you use to determine whether your site would impact Essential Fish Habitat? NMFS County Index		
7. Historic or Prehistoric Cultural Resources (Corps Requirement)		
7a. Will this project occur in or near an area that the state, federal or tribal governments have designated as having historic or cultural preservation status (e.g., National Historic Trust designation or properties significant in North Carolina history and archaeology)?	☐ Yes	☒ No
7b. What data sources did you use to determine whether your site would impact historic or archeological resources? NEPA Documentation		
8. Flood Zone Designation (Corps Requirement)		
8a. Will this project occur in a FEMA-designated 100-year floodplain?	☒ Yes	☐ No
8b. If yes, explain how project meets FEMA requirements: NCDOT Hydraulics Unit coordination with FEMA		
8c. What source(s) did you use to make the floodplain determination? FEMA Maps		

Dr. Gregory J. Thorpe, Ph D Applicant/Agent's Printed Name	E. L. Lusk Applicant/Agent's Signature (Agent's signature is valid only if an authorization letter from the applicant is provided.)	4.17.12 Date

B-4787

Fontaine

U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT

Action ID. **201002112** County: **Pitt** USGS Quad: **NC-Greenville NW**

GENERAL PERMIT (REGIONAL AND NATIONWIDE) VERIFICATION

Property Owner / Authorized Agent: **NCDOT / Gregory Thorpe**
Address: **PDEA**
1598 Mail Service Center
Raleigh, North Carolina 27699-1598

Telephone No.: **919-431-2000**
Size and location of property (water body, road name/number, town, etc.): **Bridge 95 over Johnsons Mill Run, on SR1401 near Greenville, Pitt County, North Carolina.**

Description of projects area and activity: **Replace structurally deficient 70' bridge with a 110' new bridge on existing locatio.**

Applicable Law: ☒ Section 404 (Clean Water Act, 33 USC 1344)
☒ Section 10 (Rivers and Harbors Act, 33 USC 403)
Authorization: Regional General Permit Number: _____
Nationwide Permit Number: **NW23**

Your work is authorized by the above referenced permit provided it is accomplished in strict accordance with the attached conditions and your submitted plans. Any violation of the attached conditions or deviation from your submitted plans may subject the permittee to a stop work order, a restoration order and/or appropriate legal action.

This verification is valid until the NWP is modified, reissued, or revoked. All of the existing NWPs are scheduled to be modified, reissued, or revoked prior to March 18, 2012. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have twelve (12) months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit.

Activities subject to Section 404 (as indicated above) may also require an individual Section 401 Water Quality Certification. You should contact the NC Division of Water Quality (telephone (919) 733-1786) to determine Section 401 requirements.

For activities occurring within the twenty coastal counties subject to regulation under the Coastal Area Management Act (CAMA), prior to beginning work you must contact the N.C. Division of Coastal Management in Washington, NC, at (252) 946-6481.

This Department of the Army verification does not relieve the permittee of the responsibility to obtain any other required Federal, State or local approvals/permits.

If there are any questions regarding this verification, any of the conditions of the Permit, or the Corps of Engineers regulatory program, please contactTom Steffens at (910)-251-4615 .

Corps Regulatory Official T. STEFFENS Date: **12/16/2010**

Expiration Date of Verification: **03/18/2012**

The Wilmington District is committed to providing the highest level of support to the public. To help us ensure we continue to do so, please complete the Customer Satisfaction Survey located at our website at http://regulatory.usacesurvey.com/ to complete the survey online.

Determination of Jurisdiction:

☒ Based on preliminary information, there appear to be waters of the US including wetlands within the above described project area. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331).

☐ There are Navigable Waters of the United States within the above described project area subject to the permit requirements of Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act. Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

☐ There are waters of the US and/or wetlands within the above described project area subject to the permit requirements of Section 404 of the Clean Water Act (CWA)(33 USC § 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

☐ The jurisdictional areas within the above described project area have been identified under a previous action. Please reference jurisdictional determination issued _____. Action ID _____

Basis of Jurisdictional Determination: **This waterbody exhibits an Ordinary High Water Mark as indicated by changes in soil character and absence of terrestrial vegetation and is hydrologically connected to the Tar River, a TNW**

Appeals Information (This information applies only to approved jurisdictional determinations.)

Attached to this verification is an approved jurisdictional determination. If you are not in agreement with that approved jurisdictional determination, you can make an administrative appeal under 33 CFR 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and request for appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the following address:

District Engineer, Wilmington Regulatory Division
Attn:Tom Steffens, Project Manager,
Washington Regulatory Field Office
Post Office Box 1000
Washington, North Carolina 27889

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR part 331.5, and that it has been received by the District Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by _____.

It is not necessary to submit an RFA form to the District Office if you do not object to the determination in this correspondence.

Corps Regulatory Official: _____ TASTEFFENS

Date **12/16/2010** Expiration Date **03/18/2012**

SURVEY PLATS, FIELD SKETCH, WETLAND DELINEATION FORMS, PROJECT PLANS, ETC., MUST BE ATTACHED TO THE FILE COPY OF THIS FORM, IF REQUIRED OR AVAILABLE.

Copy Furnished:
RG-W

North Carolina Department of Transportation

Highway Stormwater Program

STORMWATER MANAGEMENT PLAN

FOR LINEAR ROADWAY PROJECTS

(Version 1.2; Released September 2011)

Project/TIP No.: B-4787 **County(ies):** Pitt

General Project Information

Project No.:	B-4787		**Project Type:**	Bridge Replacement	**Date:** 12/7/2011
NCDOT Contact:	Galen Cail, PE		**Contractor / Designer:**	Joe Dunnehoo, PE	
Address:	1020 Birch Ridge Dr. Raleigh, NC 27610		**Address:**	1020 Birch Ridge Dr. Raleigh, NC 27610	
Phone:	919-707-6711		**Phone:**	919-707-6717	
Email:	gcail.ncdot.gov		**Email:**	jwdunnehoo@ncdot.gov	
City/Town:			**County(ies):**	Pitt	
River Basin(s):	Tar-Pamlico		**CAMA County?**	No	
Primary Receiving Water:	Johnsons Mill Run		**NCDWQ Stream Index No.:**	28-91	
NCDWQ Surface Water Classification for Primary Receiving Water	**Primary:**		Water Supply IV (WS-IV)		
	Supplemental:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:	None				
303(d) Impairments:	None				
Buffer Rules in Effect	Tar-Pamlico				

Project Description

Project Length (lin. Miles or feet):	.189 Miles	**Surrounding Land Use:**	Residential
	Proposed Project		**Existing Site**
Project Built-Upon Area (ac.)	0.76 ac.		0.59 ac.
Typical Cross Section Description:	Two - 12 ft. lanes, 6 ft. shoulders with 4 ft. paved, 6:1 slopes		Two - 11 ft. lanes, 5 ft grass shoulders
Average Daily Traffic (veh/hr/day):	Design/Future: 13400 (2035)		Existing: 7900 (2012)

General Project Narrative:

The project consist of replacing Bridge # 95 On SR 1401 Over Johnsons Mill Run with approximately 400' of approach roaway on each side of bridge. The approach work will consist of widening the travel lanes and providing grass shoulders and guardrail. The existing 2 span timber bridge (70 ft total length) will be replaced with a 2 span (1 @ 40'; 1@ 65' -- total 105') 36" prestressed concrete grider. The existing interior bent will be moved from the center of channel to the edge of the bank.
Various Stormwater Control Measures (SCMs) were implemented at this project site. Grass shoulders were used to promote sheet flow and infiltration except where shoulder berm gutter drains to 2GIs. All deck drain drains on the bridge were eliminated and there is no direct discharge to existing stream or buffers.
Existing roadway fill under the proposed bridge will be removed to improve conveyance and reduce the velocity.

References

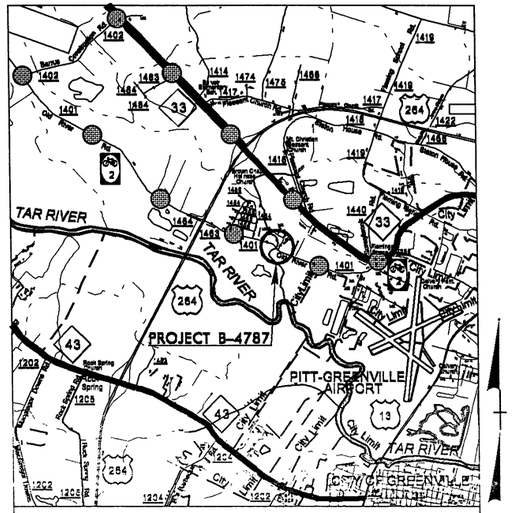
09/08/99

TIP PROJECT: B-4787

CONTRACT:

$$$$$$$$$$SYSTIME$$$$$$$$$$
$$$$$$$$$$DGN$$$$$$$$$$
$$$$$$$$$$USERNAME$$$$$$$$$$

See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols
See Sheet 1-C For Survey Control Sheet



VICINITY MAP

OFFSITE DETOUR ROUTE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PITT COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4787	1	

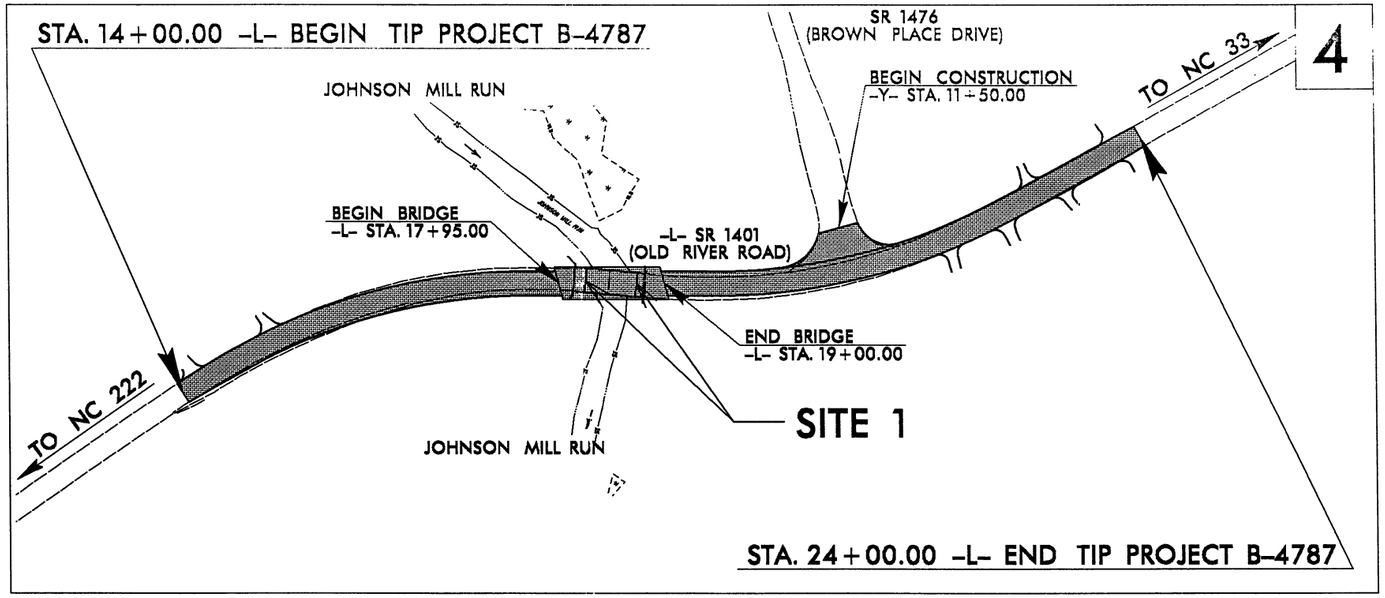
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
38557.1.1	BRZ-1401(4)	PE
38557.2.1	BRZ-1401(4)	R/W & UTILITIES

LOCATION: BRIDGE NO. 95 ON SR 1401 (OLD RIVER ROAD) OVER JOHNSON MILL RUN

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

NAD 83/95

WETLAND AND SURFACE WATER IMPACTS PERMIT



Permit Drawing
Sheet 1 of 6

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.
CLEARING ON THIS PROJECT SHALL BE PREPARED TO THE LIMITS ESTABLISHED BY METHOD III.

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

ADT 2012 = 7900
ADT 2035 = 13400
DHV = 10 %
D = 60 %
T = 15 % *
V = 50 MPH
* TTST=5% DUAL=10%
FUNC CLASS = MINOR COLLECTOR
"SUB-REGIONAL TIER"

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-4787 = 0.169 MILES
LENGTH STRUCTURE TIP PROJECT B-4787 = 0.020 MILES
TOTAL LENGTH OF TIP PROJECT B-4787 = 0.189 MILES

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

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: NOVEMBER 28, 2011

LETTING DATE: NOVEMBER 20, 2012

JAMES A. SPEER, PE
PROJECT ENGINEER

DANIEL W. GARDNER, JR., PE
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN ENGINEER

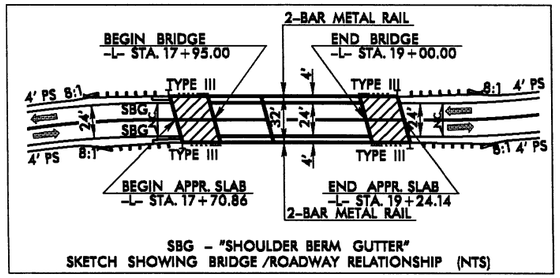
SIGNATURE: P.E.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

P.E.
STATE HIGHWAY DESIGN ENGINEER

PROJECT REFERENCE NO.	SHEET NO.
B-4787	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



SBG - "SHOULDER BERM GUTTER"
SKETCH SHOWING BRIDGE /ROADWAY RELATIONSHIP (NTS)

NAD 83'95

BRENDA J. SWINDELL

WAYLAND CRAIG STALLINGS, ET UX

WAYLAND E. STALLINGS & JOHNNY RAY STALLINGS

WAYLAND E. STALLINGS, ET UX

RALPH JENKINS II, ET UX

ALONZA FEEL, ET UX

JOHN Q. MATTHEWS, ET UX

ELIZABETH A. STOCKS

CLIFTON A. JONES

SILVIA K. STOKES, ET AL

ALICE D. SUTTON, ET AL

BRIDGE #95- MTL DECK(ASPHALT COVERED), GUARD RAILS
WOOD HW/WW, SUPPORT TIMBERS
STEEL I-BEAM REINFORCED

SITE 1

TS TS DENOTES TEMPORARY IMPACTS IN SURFACE WATER

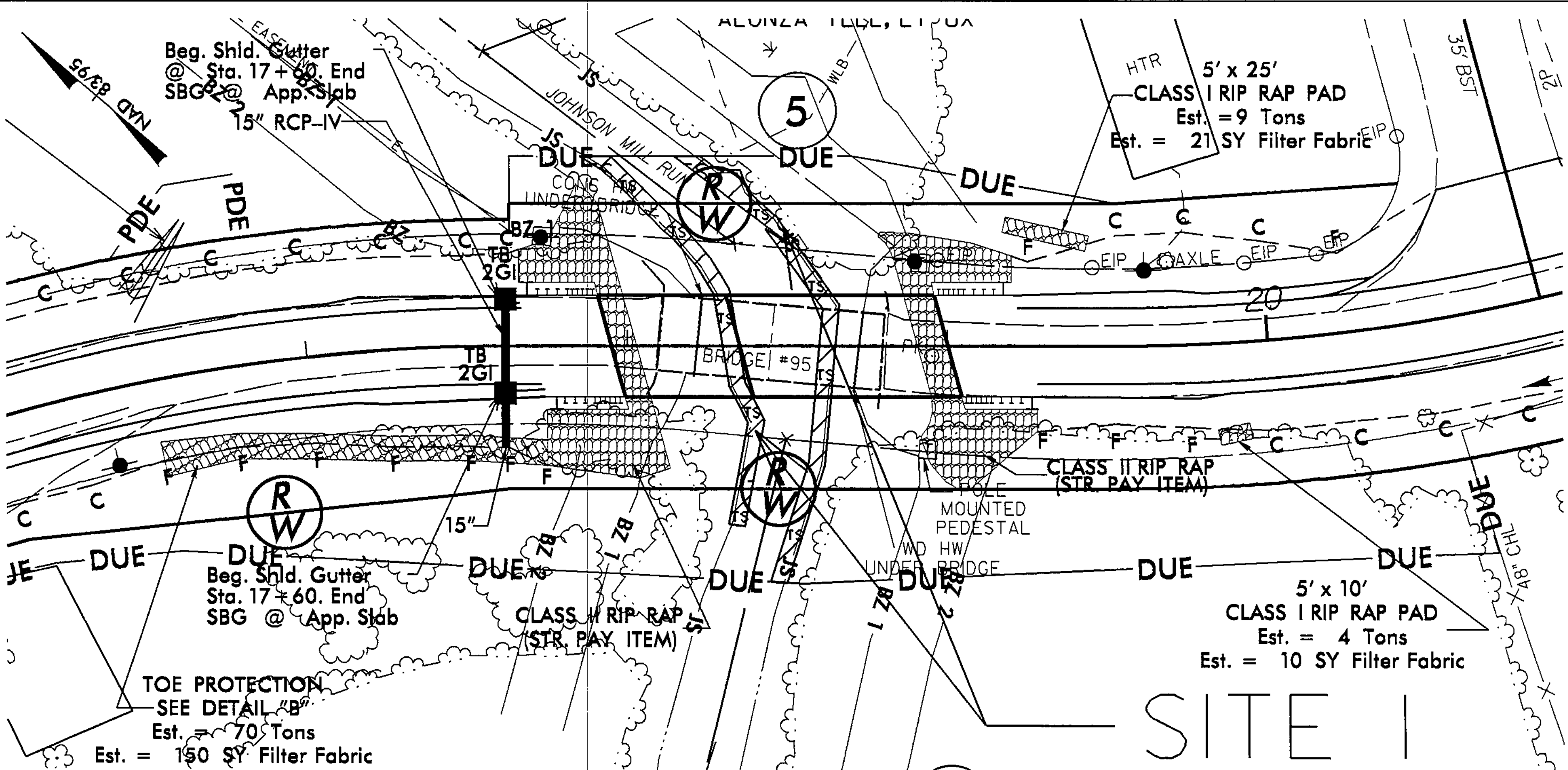
100' 0' 100'
GRAPHIC SCALE

Permit Drawing
Sheet 2 of 6

SEE SHEET 5 FOR -L- AND -Y- PROFILES
SEE SHEET S-1 THRU S-9 FOR STRUCTURE PLANS

REVISIONS

8/17/95



TS TS — DENOTES TEMPORARY IMPACTS IN SURFACE WATER

PLAN VIEW

100' 0' 100'

GRAPHIC SCALE

NCDOT

DIVISION OF HIGHWAYS

PITT COUNTY

PROJECT: 38557.1.1 (B-4787)

REPLACEMENT OF BRG. 95

ON SR-1401 (OLD RIVER ROAD) OVER)

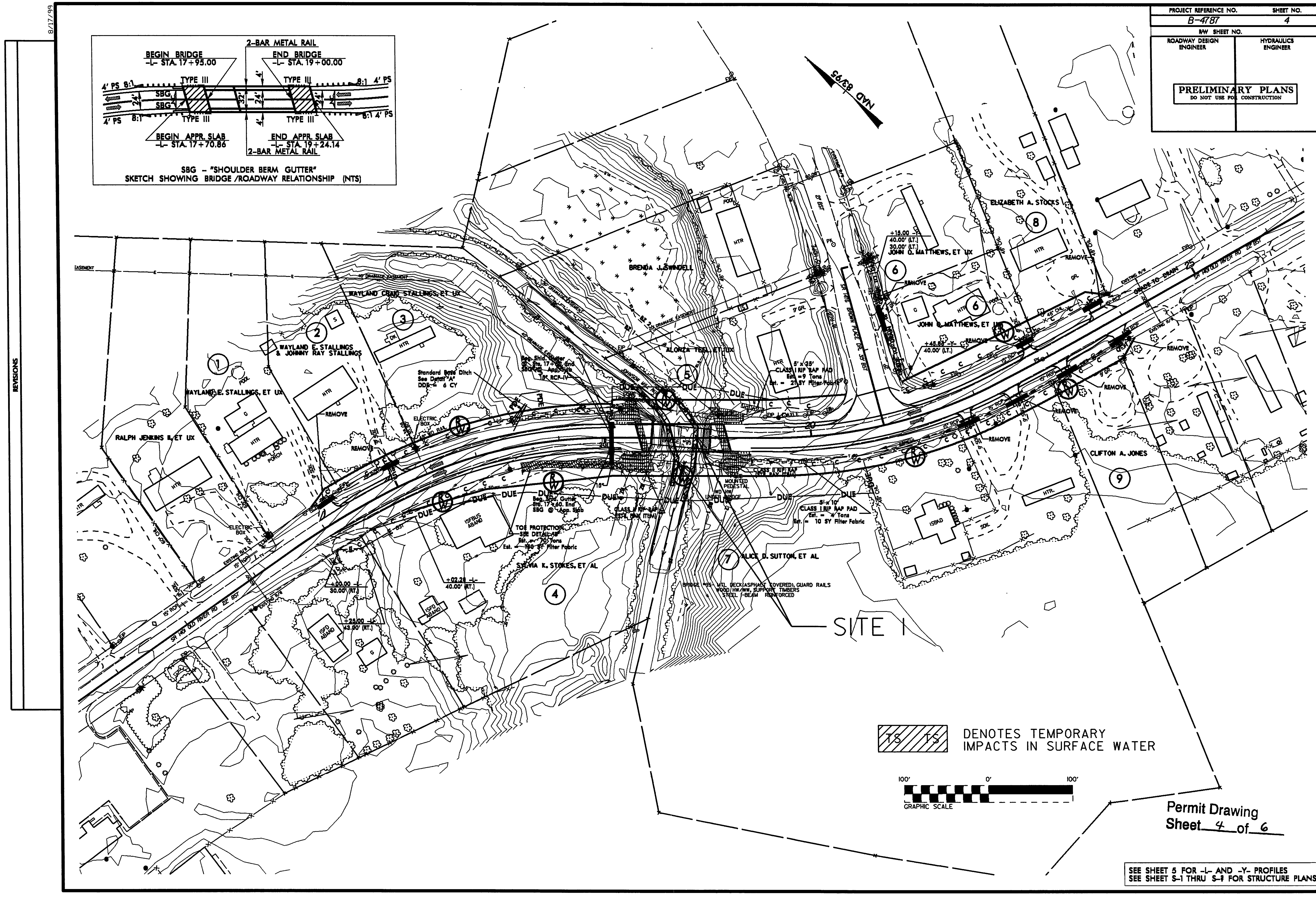
JOHNSON MILL RUN

SHEET OF 12/7/11

Permit Drawing
Sheet 3 of 6

PROJECT REFERENCE NO.	SHEET NO.
B-4787	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



8/17/99
REVISIONS
BEGIN BRIDGE -L- STA. 17+95.00
2-BAR METAL RAIL
END BRIDGE -L- STA. 19+00.00
TYPE III
4' PS
8:1
SBG
24'
32'
BEGIN APPR. SLAB -L- STA. 17+70.86
END APPR. SLAB -L- STA. 19+24.14
SBG - "SHOULDER BERM GUTTER"
SKETCH SHOWING BRIDGE /ROADWAY RELATIONSHIP (NTS)
NAD 83/95
WAYLAND CRAIG STALLINGS, ET UX
WAYLAND E. STALLINGS & JOHNNY RAY STALLINGS
WAYLAND E. STALLINGS, ET UX
RALPH JENKINS II, ET UX
BRENDA J. SWINDELL
ALONZA TEEL, ET UX
JOHN O. MATTHEWS, ET UX
ELIZABETH A. STOCKS
CLIFTON A. JONES
ALICE D. SUTTON, ET AL
SYLVIA K. STOKES, ET AL
SR 1401 OLD RIVER RD 22' BST
SR 1416 BROWN PLACE DR 35' BST
SITE 1
DENOTES TEMPORARY IMPACTS IN SURFACE WATER
GRAPHIC SCALE
100'
0'
100'

Permit Drawing
Sheet 4 of 6

SEE SHEET 5 FOR -L- AND -Y- PROFILES
SEE SHEET S-1 THRU S-9 FOR STRUCTURE PLANS

PROPERTY OWNERS

NAMES AND ADDRESSES

PARCEL NO.	NAMES	ADDRESSES
3	WAYLAND CRAIG STALLINGS, ET UX	859 GUM SWAMP CHURCH RD. GREENVILLE, NC 27834
4	SYLVIA K. STOKES. ET AL	544 SURREY RACE RD. SALLEY, SC 29137
5	ALONZA TEEL, ET UX	1601 BROWN PLACE DR. GREENVILLE, NC 27834
7	ALICE D. SUTTON, ET AL	2091 OLD RIVER RD. GREENVILLE, NC 27834

Permit Drawing
Sheet 5 of 6

NCDOT

DIVISION OF HIGHWAYS

PITT COUNTY

PROJECT: 38557.1.1 (B-4787)

REPLACEMENT OF BRG. 95 ON SR-1401 (OLD RIVER ROAD) OVER JOHNSON MILLL RUN

SHEET OF 12/7/11

WETLAND PERMIT IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS: Permanent Fill In Wetlands (ac)	WETLAND IMPACTS: Temp. Fill In Wetlands (ac)	WETLAND IMPACTS: Excavation in Wetlands (ac)	WETLAND IMPACTS: Mechanized Clearing in Wetlands (ac)	WETLAND IMPACTS: Hand Clearing in Wetlands (ac)	SURFACE WATER IMPACTS: Permanent SW impacts (ac)	SURFACE WATER IMPACTS: Temp. SW impacts (ac)	SURFACE WATER IMPACTS: Existing Channel Impacts Permanent (ft)	SURFACE WATER IMPACTS: Existing Channel Impacts Temp. (ft)	SURFACE WATER IMPACTS: Natural Stream Design (ft)
1	18+30-L- & 18+63-L-	Excavation							0.03			
	LT. & RT.											
TOTALS:									0.03			

Impacts due to piers are <0.01ac

Temporary Surface Water Impacts: Proposed temporary impacts to surface waters are for possible bank disturbance due to removal of trees at top of banks.

Permit Drawing
Sheet 6 of 6

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PITT COUNTY
WBS - 38557.1.1 (B-4787)

SHEET 12/07/11

ATN Revised 3/31/05

TIP PROJECT: B-4787

See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols
See Sheet 1-C For Survey Control Sheet

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B–4787	1	

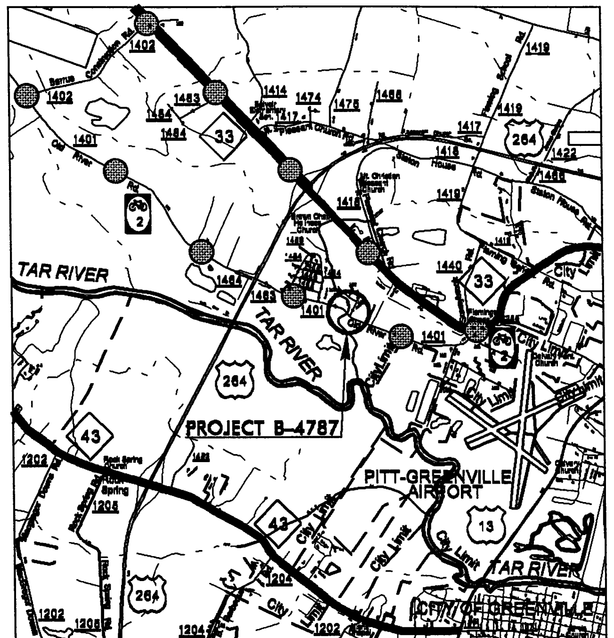
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
38557.1.1	BRZ–1401(4)	PE
38557.2.1	BRZ–1401(4)	R/W & UTILITIES

PITT COUNTY

LOCATION: BRIDGE NO. 95 ON SR 1401 (OLD RIVER ROAD) OVER JOHNSON MILL RUN

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

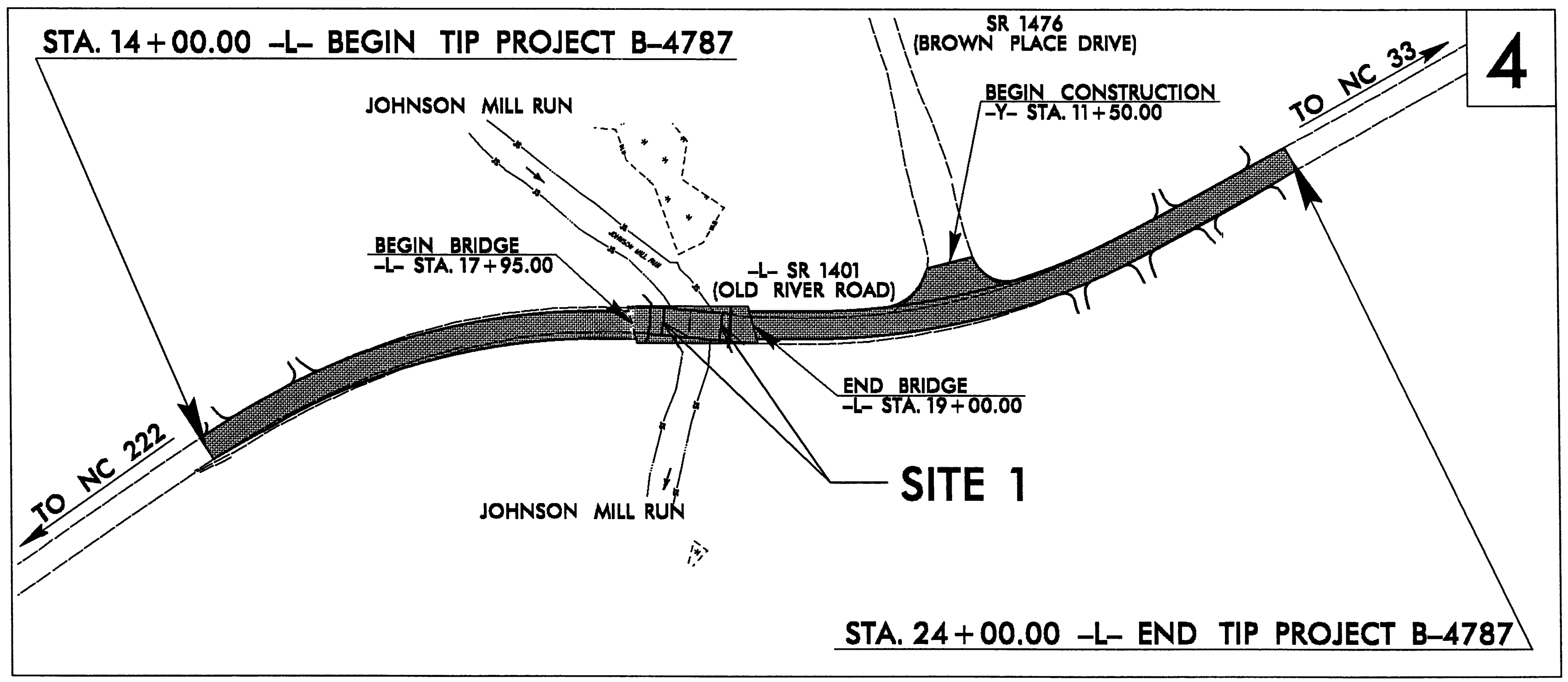
NAD 83/95



VICINITY MAP

OFFSITE DETOUR ROUTE

BUFFER PERMIT



Buffer Drawing
Sheet 1 of 6

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.
CLEARING ON THIS PROJECT SHALL BE PREPARED TO THE LIMITS ESTABLISHED BY METHOD III.

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

ADT 2012 = 7900
ADT 2035 = 13400
DHV = 10 %
D = 60 %
T = 15 % *
V = 50 MPH
* TTST=5% DUAL=10%
FUNC CLASS=MINOR COLLECTOR
"SUB–REGIONAL TIER"

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B–4787 = 0.169 MILES
LENGTH STRUCTURE TIP PROJECT B–4787 = 0.020 MILES
TOTAL LENGTH OF TIP PROJECT B–4787 = 0.189 MILES

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

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
NOVEMBER 28, 2011

LETTING DATE:
NOVEMBER 20, 2012

JAMES A. SPEER, PE
PROJECT ENGINEER

DANIEL W. GARDNER, JR., PE
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

P.E.
SIGNATURE:

ROADWAY DESIGN ENGINEER

P.E.
SIGNATURE:

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION

P.E.
STATE HIGHWAY DESIGN ENGINEER

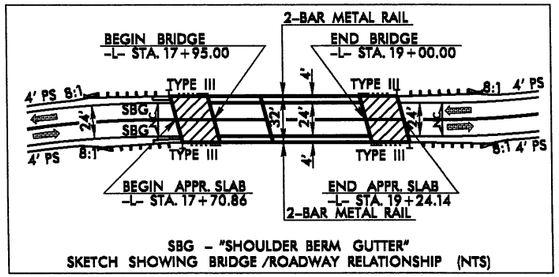
CONTRACT:

09/08/99

$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$
$$$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
B-4787	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



SBG – "SHOULDER BERM GUTTER"
SKETCH SHOWING BRIDGE /ROADWAY RELATIONSHIP (NTS)

SITE 1

NAD 83'95

BRENDA J. SWINDELL

WAYLAND CRAIG STALLINGS, ET UX

WAYLAND E. STALLINGS & JOHNNY RAY STALLINGS

WAYLAND E. STALLINGS, ET UX

RALPH JENKINS II, ET UX

ALONZA FEEL, ET UX

ELIZABETH A. STOCKS

JOHN O. MATTHEWS, ET UX

CLIFTON A. JONES

SYLVIA K. STOKES, ET AL

ALICE D. SUTTON, ET AL

BRIDGE #95- MTL DECK(ASPHALT COVERED), GUARD RAILS
WOOD HW/WW, SUPPORT TIMBERS
STEEL I-BEAM REINFORCED

SITE 1

ALLOWABLE IMPACTS ZONE 1

ALLOWABLE IMPACTS ZONE 2

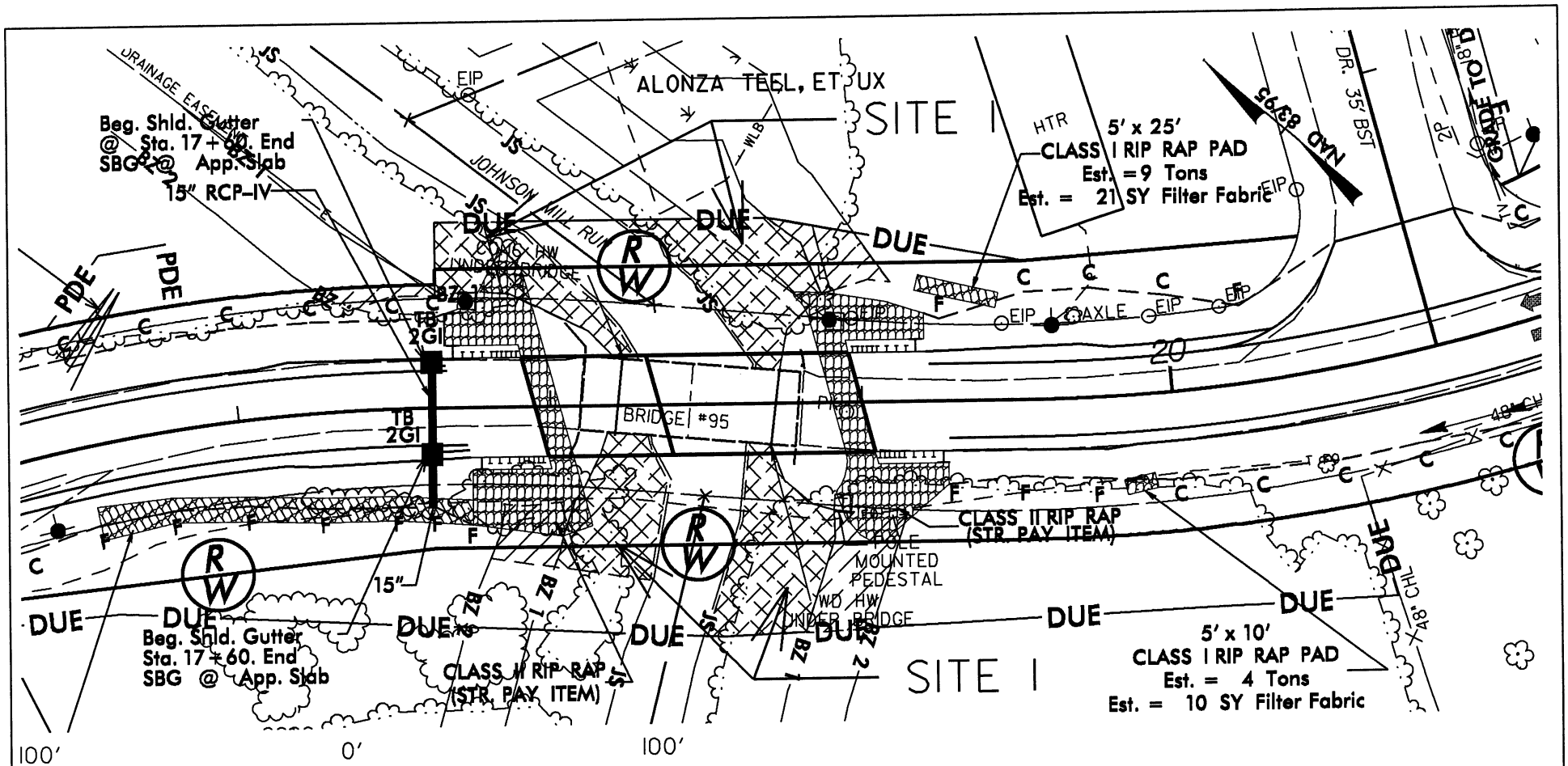
100' 0' 100'
GRAPHIC SCALE

Buffer Drawing
Sheet 2 of 6

SEE SHEET 5 FOR -L- AND -Y- PROFILES
SEE SHEET S-1 THRU S-9 FOR STRUCTURE PLANS

REVISIONS

8/17/99



GRAPHIC SCALE

PERMANENT BUFFER IMPACTS ZONE 1

PERMANENT BUFFER IMPACTS ZONE 2

TEMPORARY BUFFER IMPACTS

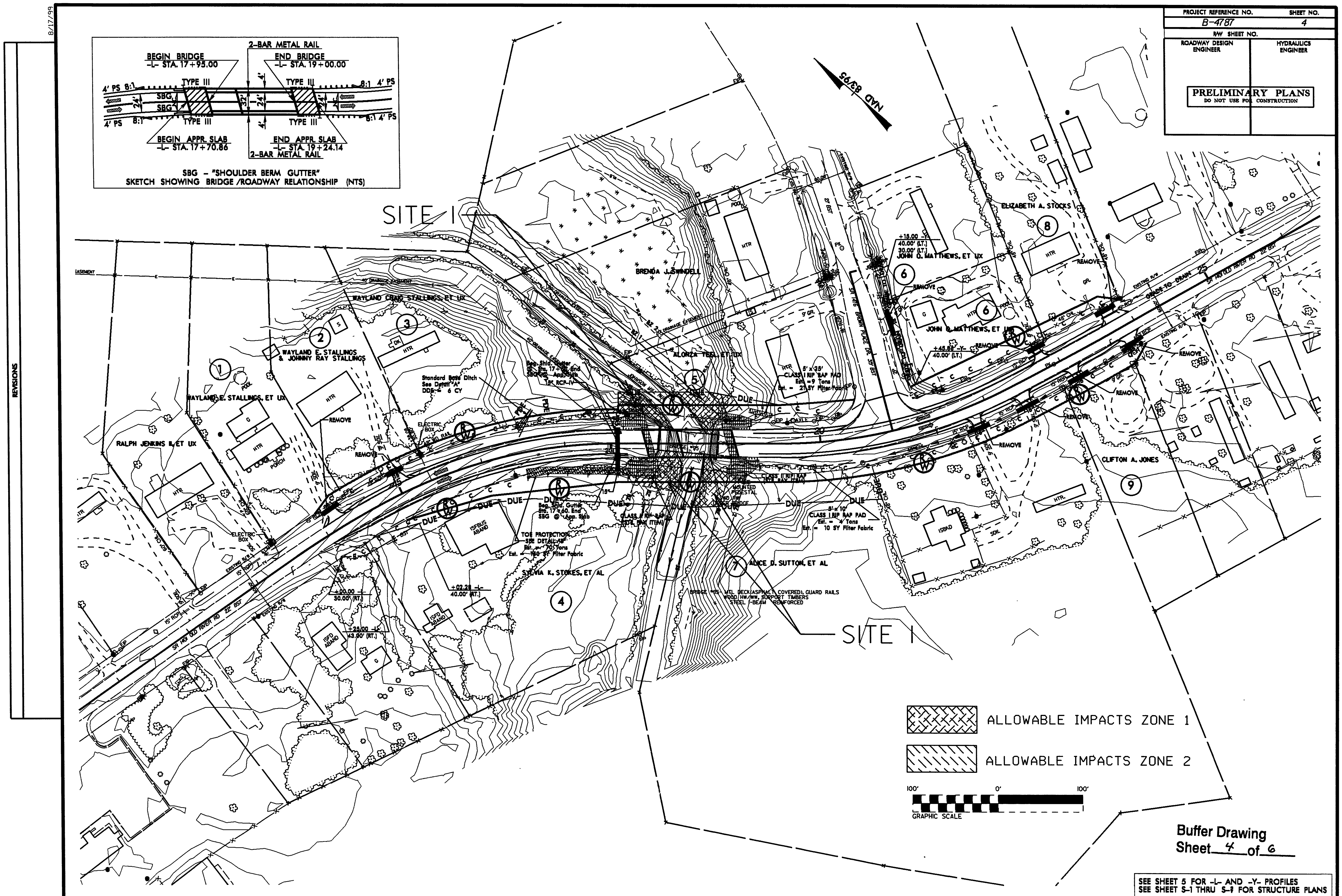
PLAN VIEW

N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
PITT COUNTY
PROJECT: 38557.1.1 (B-4787)

REPLACEMENT OF BRG. 95
ON SR-1401 (OLD RIVER ROAD)
OVER JOHNSON MILL RUN

SHEET OF 12/7/11

Buffer Drawing
Sheet 3 of 6


PROJECT REFERENCE NO. B-4787
SHEET NO. 4
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
8/17/99
REVISIONS
2-BAR METAL RAIL
BEGIN BRIDGE -L- STA. 17+95.00
END BRIDGE -L- STA. 19+00.00
TYPE III
4' PS
8:1
SBG
BEGIN APPR. SLAB -L- STA. 17+70.86
END APPR. SLAB -L- STA. 19+24.14
2-BAR METAL RAIL
SBG - "SHOULDER BERM GUTTER"
SKETCH SHOWING BRIDGE /ROADWAY RELATIONSHIP (NTS)
NAD 83/95
SITE 1
WAYLAND CRAIG STALLINGS, ET UX
WAYLAND E. STALLINGS & JOHNNY RAY STALLINGS
WAYLAND E. STALLINGS, ET UX
RALPH JENKINS II, ET UX
BRENDA J. SWINDELL
ALONZA TEEL, ET UX
JOHN O. MATTHEWS, ET UX
ELIZABETH A. STOCKS
CLIFTON A. JONES
SYLVIA K. STOKES, ET AL
ALICE D. SUTTON, ET AL
SR 1401 OLD RIVER RD
SR 1410 BROWN PLACE RD
Standard Base Ditch See Detail "A" DDE = 6 CY
CLASS I RIP RAP PAD
TOE PROTECTION SEE DETAIL "B"
BRIDGE #95 - MTL DECK (ASPHALT COVERED), GUARD RAILS WOOD/HW/WW, SUPPORT TIMBERS STEEL I-BEAM REINFORCED
ALLOWABLE IMPACTS ZONE 1
ALLOWABLE IMPACTS ZONE 2
100' 0' 100'
GRAPHIC SCALE
Buffer Drawing Sheet 4 of 6
SEE SHEET 5 FOR -L- AND -Y- PROFILES
SEE SHEET S-1 THRU S-9 FOR STRUCTURE PLANS

PROPERTY OWNERS

NAMES AND ADDRESSES

PARCEL NO.	NAMES	ADDRESSES
3	WAYLAND CRAIG STALLINGS, ET UX	859 GUM SWAMP CHURCH RD. GREENVILLE, NC 27834
4	SYLVIA K. STOKES. ET AL	544 SURREY RACE RD. SALLEY, SC 29137
5	ALONZA TEEL, ET UX	1601 BROWN PLACE DR. GREENVILLE, NC 27834
7	ALICE D. SUTTON, ET AL	2091 OLD RIVER RD. GREENVILLE, NC 27834

Buffer Drawing
Sheet 5 of 6

NCDOT

DIVISION OF HIGHWAYS

PITT COUNTY

PROJECT: 38557.1.1 (B-4787)

REPLACEMENT OF BRG. 95

ON SR-1401 (OLD RIVER ROAD) OVER

JOHNSON MILLL RUN

SHEET OF 12/7/11

BUFFER IMPACTS SUMMARY

			IMPACT									BUFFER REPLACEMENT	
			TYPE			ALLOWABLE			MITIGABLE				
SITE NO.	STRUCTURE SIZE / TYPE	STATION (FROM/TO)	ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft^2)	ZONE 2 (ft^2)	TOTAL (ft^2)	ZONE 1 (ft^2)	ZONE 2 (ft^2)	TOTAL (ft^2)	ZONE 1 (ft^2)	ZONE 2 (ft^2)
1	Road Fill	17+27 to 18+09-L-	X			815	226.0	1041.0					
		(Lt & Rt)											
1	Bridge	17+79 to 19+12-L-		X		4841.0	263.0	5104.0					
		(Rt & Lt)											
1	Road Fill	18+85 to 19+15-L-	X				304.0	304.0					
		(Rt & Lt)											
TOTAL:						5656.0	793.0	6449.0	0.0	0.0	0.0		

N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS

PITT COUNTY
PROJECT: 38557.1.1 (B-4787)

12/7/2011
SHEET OF

Buffer Drawing
Sheet 6 of 6

05/08/99

TIP PROJECT: B-4787

T.I.P. NO.	SHEET NO.
B-4787	NEU-1

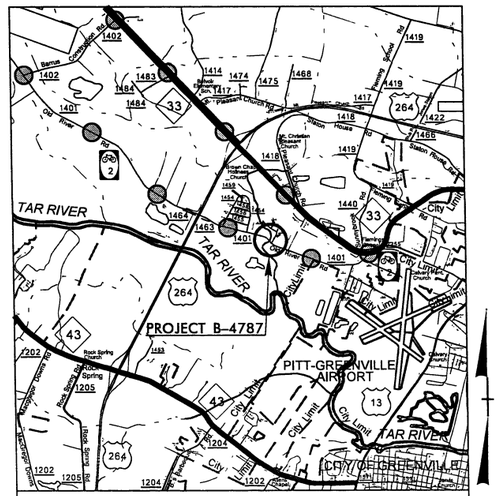
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NEU PERMIT PLANS
PITT COUNTY

LOCATION: BRIDGE NO. 95 ON SR-1401 (OLD RIVER ROAD) OVER JOHNSON MILL RUN

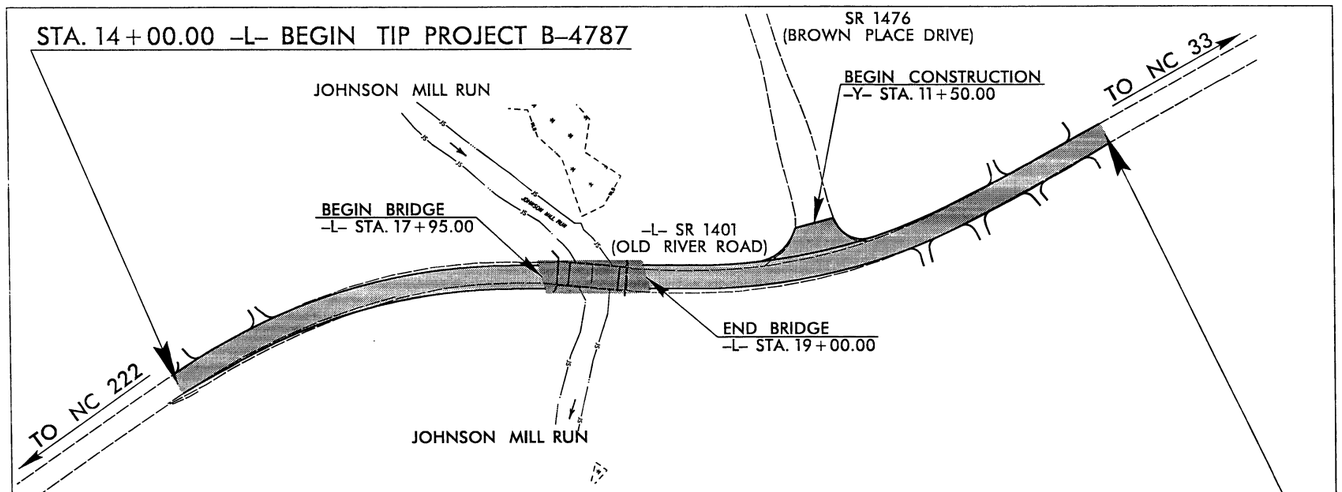
TYPE OF WORK: WATER, POWER, AND GAS RELOCATIONS

NAD 83/95



VICINITY MAP

OFFSITE DETOUR ROUTE



Utility Permit Drawing
Sheet 1 of 3

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

INDEX OF SHEETS

SHEET NO.	*DESCRIPTION*
NEU-1	*TITLE SHEET*
NEU-2	*PLAN*

WATER AND SEWER OWNERS ON PROJECT

(1) WATER (GREENVILLE UTILITIES COMMISSION)
(2) POWER (GREENVILLE UTILITIES COMMISSION)
(3) GAS (GREENVILLE UTILITIES COMMISSION)
(4) TELEPHONE (CENTURY LINK)
(5) CATV (SUDDENLINK)

PREPARED IN THE OFFICE OF:
DIVISION OF HIGHWAYS
UTILITIES ENGINEERING SECTION
1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 707-6690
FAX (919) 250-4151

Roger Worthington, P.E. — *UTILITIES SECTION ENGINEER*
Corey Bousquet, P.E. — *UTILITIES SQUAD LEADER PROJECT ENGINEER*
Eric Haugaard — *UTILITIES PROJECT DESIGNER*

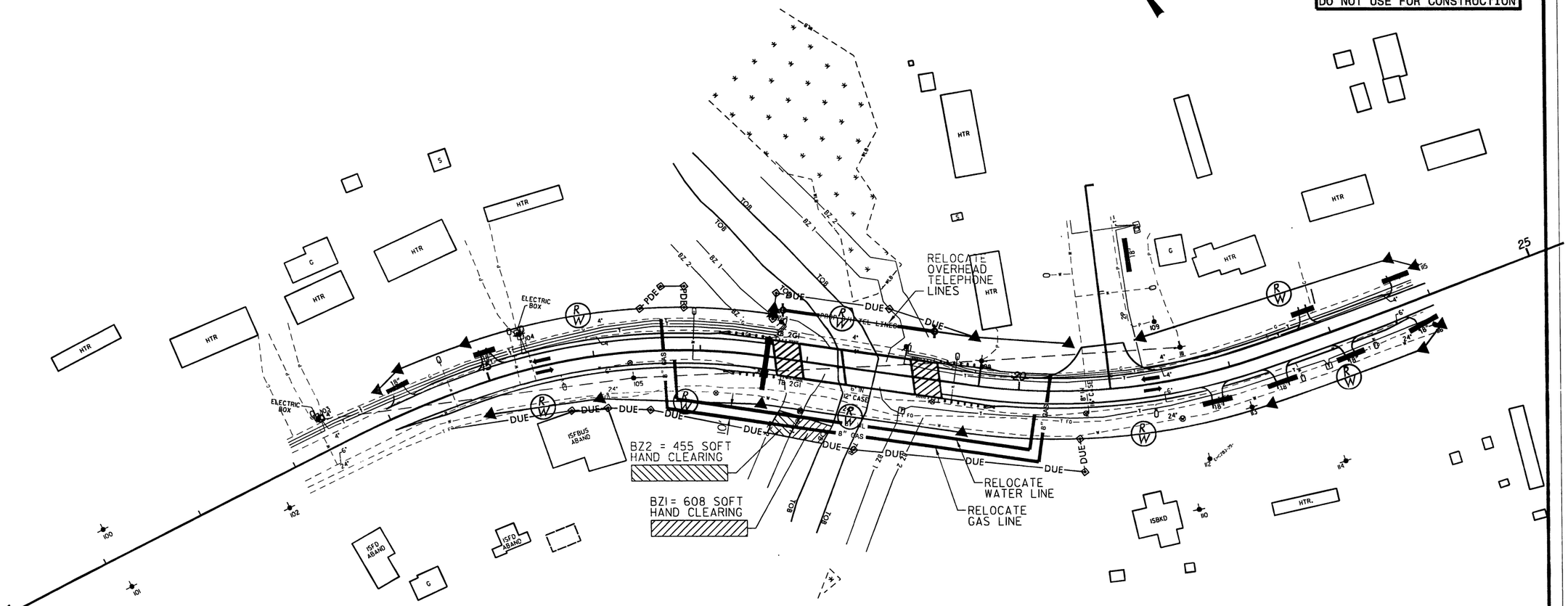
NEU PERMIT DRAWING
B-4787 UTILITY RELOCATIONS
DECEMBER 20, 2011

PROJECT REFERENCE NO.	SHEET NO.
B-4787	NEU-2
DESIGNED BY: EWH	
DRAWN BY: EWH	
CHECKED BY: EWH	
APPROVED BY: EWH	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 FAX: (919)250-4151	UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

NAD 83/95



Utility Permit Drawing
Sheet 2 of 3

PLAN SCALE:
1"=50' (FULL-SIZE)
1"=100' (HALF-SIZE)

BUFFER IMPACTS SUMMARY

SITE NO.	STRUCTURE SIZE / TYPE	STATION (FROM/TO)	IMPACT									BUFFER REPLACEMENT	
			TYPE			ALLOWABLE			MITIGABLE				
			ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft^2)	ZONE 2 (ft^2)	TOTAL (ft^2)	ZONE 1 (ft^2)	ZONE 2 (ft^2)	TOTAL (ft^2)	ZONE 1 (ft^2)	ZONE 2 (ft^2)
1		17+75R to 18+30R		x		608	455.0	1063.0					
TOTAL:						608.0	455.0	1063.0	0.0	0.0	0.0		

Utility Permit Drawing
Sheet 3 of 3

N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS

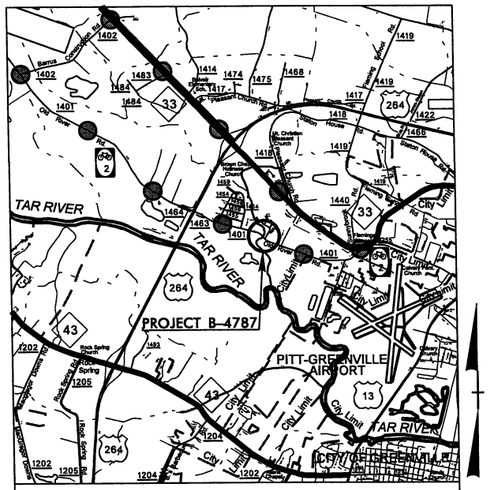
PITT COUNTY
PROJECT: 38557.1.1 (B-4787)

12/20/2011
SHEET 1 OF 1

09/08/09

TIP PROJECT: B-4787

See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols
See Sheet 1-C For Survey Control Sheet



VICINITY MAP

OFFSITE DETOUR ROUTE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PITT COUNTY

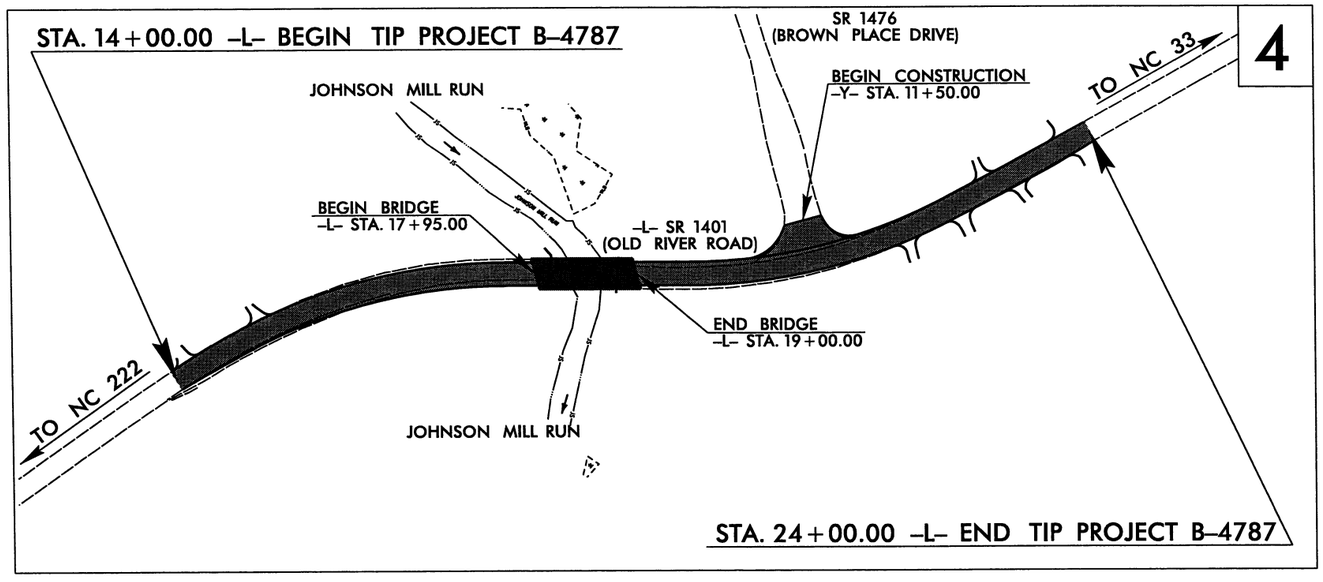
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4787	1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
38557.1.1	BRZ-1401(4)	PE
38557.2.1	BRZ-1401(4)	R/W & UTILITIES

LOCATION: BRIDGE NO. 95 ON SR 1401 (OLD RIVER ROAD) OVER JOHNSON MILL RUN

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

NAD 83/95



THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.
CLEARING ON THIS PROJECT SHALL BE PREPARED TO THE LIMITS ESTABLISHED BY METHOD III.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

CONTRACT:

GRAPHIC SCALES

PLANS: 50 25 0 50 100

PROFILE (HORIZONTAL): 50 25 0 50 100

PROFILE (VERTICAL): 10 5 0 10 20

DESIGN DATA

ADT 2012 = 7900
ADT 2035 = 13400
DHV = 10 %
D = 60 %
T = 15 % *
V = 50 MPH
* TTST=5% DUAL=10%
FUNC CLASS=MINOR COLLECTOR
"SUB-REGIONAL TIER"

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-4787 = 0.169 MILES
LENGTH STRUCTURE TIP PROJECT B-4787 = 0.020 MILES
TOTAL LENGTH OF TIP PROJECT B-4787 = 0.189 MILES

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

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: NOVEMBER 28, 2011

LETTING DATE: NOVEMBER 20, 2012

JAMES A. SPEER, PE
PROJECT ENGINEER

DANIEL W. GARDNER, JR., PE
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.

29-NOV-2011 06:43
R:\Roadway\Proj\b4787_rdy_tsh.dgn
$$$$USERNAME$$$$

04/16/11

PROJECT REFERENCE NO.	SHEET NO.
B-4787	1-B

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 — EIP
- Property Corner
- Property Monument — ECM
- Parcel/Sequence Number — 123
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary — WLB
- Proposed Wetland Boundary — WLB
- Existing Endangered Animal Boundary — EAB
- Existing Endangered Plant Boundary — EPB
- Known Soil Contamination: Area or Site
- Potential Soil Contamination: Area or Site

BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G Tank Cap
- Sign — S
- Well — W
- Small Mine
- Foundation
- Area Outline
- Cemetery
- Building
- School
- Church
- Dam

HYDROLOGY:

- Stream or Body of Water
- Hydro, Pool or Reservoir
- Jurisdictional Stream — JS
- Buffer Zone 1 — BZ 1
- Buffer Zone 2 — BZ 2
- Flow Arrow
- Disappearing Stream
- Spring
- Wetland
- Proposed Lateral, Tail, Head Ditch — FLOW
- False Sump

RAILROADS:

- Standard Gauge — CSX TRANSPORTATION
- RR Signal Milepost — MILEPOST 35
- Switch — 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 — CA
- Proposed Control of Access — CA
- Existing Easement Line — E
- Proposed Temporary Construction Easement — E
- Proposed Temporary Drainage Easement — TDE
- Proposed Permanent Drainage Easement — PDE
- Proposed Permanent Drainage / Utility Easement — DUE
- Proposed Permanent Utility Easement — PUE
- Proposed Temporary Utility Easement — TUE
- Proposed Aerial Utility Easement — AUE
- Proposed Permanent Easement with Iron Pin and Cap Marker

ROADS AND RELATED FEATURES:

- Existing Edge of Pavement
- Existing Curb
- Proposed Slope Stakes Cut — C
- Proposed Slope Stakes Fill — F
- Proposed Curb Ramp — CR
- Curb Cut Future Ramp — CCFR
- 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 — Vineyard

EXISTING STRUCTURES:

MAJOR:

- Bridge, Tunnel or Box Culvert — CONC
- Bridge Wing Wall, Head Wall and End Wall — CONC WW

MINOR:

- Head and End Wall — CONC HW
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB — CB
- Paved Ditch Gutter
- Storm Sewer Manhole — S
- Storm Sewer — S

UTILITIES:

POWER:

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

TELEPHONE:

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

WATER:

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

TV:

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

GAS:

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

SANITARY SEWER:

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

MISCELLANEOUS:

- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — S
- Utility Unknown U/G Line — ?UTL
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc. — UST
- A/G Tank; Water, Gas, Oil
- Geoenvironmental Boring
- U/G Test Hole (S.U.E.*)
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

99/2/9

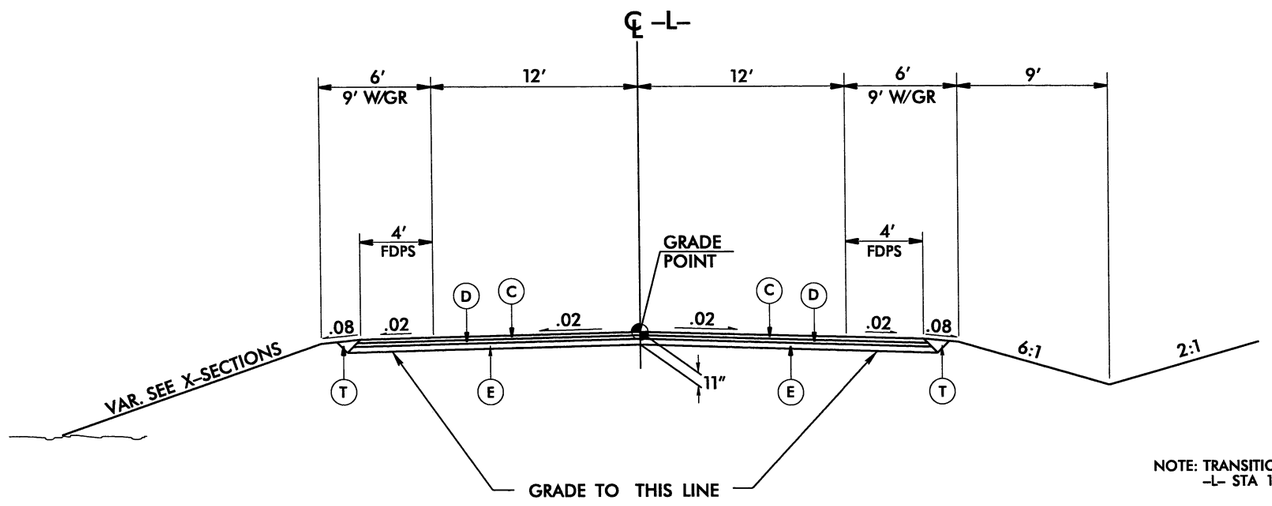
PROJECT REFERENCE NO.	SHEET NO.
B-4787	2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PAVEMENT SCHEDULE

C	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD IN EACH OF TWO LAYERS.
D	PROP. APPROX. 2½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E	PROP. APPROX. 5½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T	EARTH MATERIAL

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



TYPICAL SECTION NO. 1

NOTE: TRANSITION FROM EXISTING TO TYPICAL SECTION NO. 1
-L- STA 14+00.00 TO STA 14+50.00

USE TYPICAL SECTION NO. 1 AS FOLLOWS
-L- STA 14+50.00 TO STA 17+95.00 (BEGIN BRIDGE)
-L- STA 19+00.00 (END BRIDGE) TO STA 23+50.00

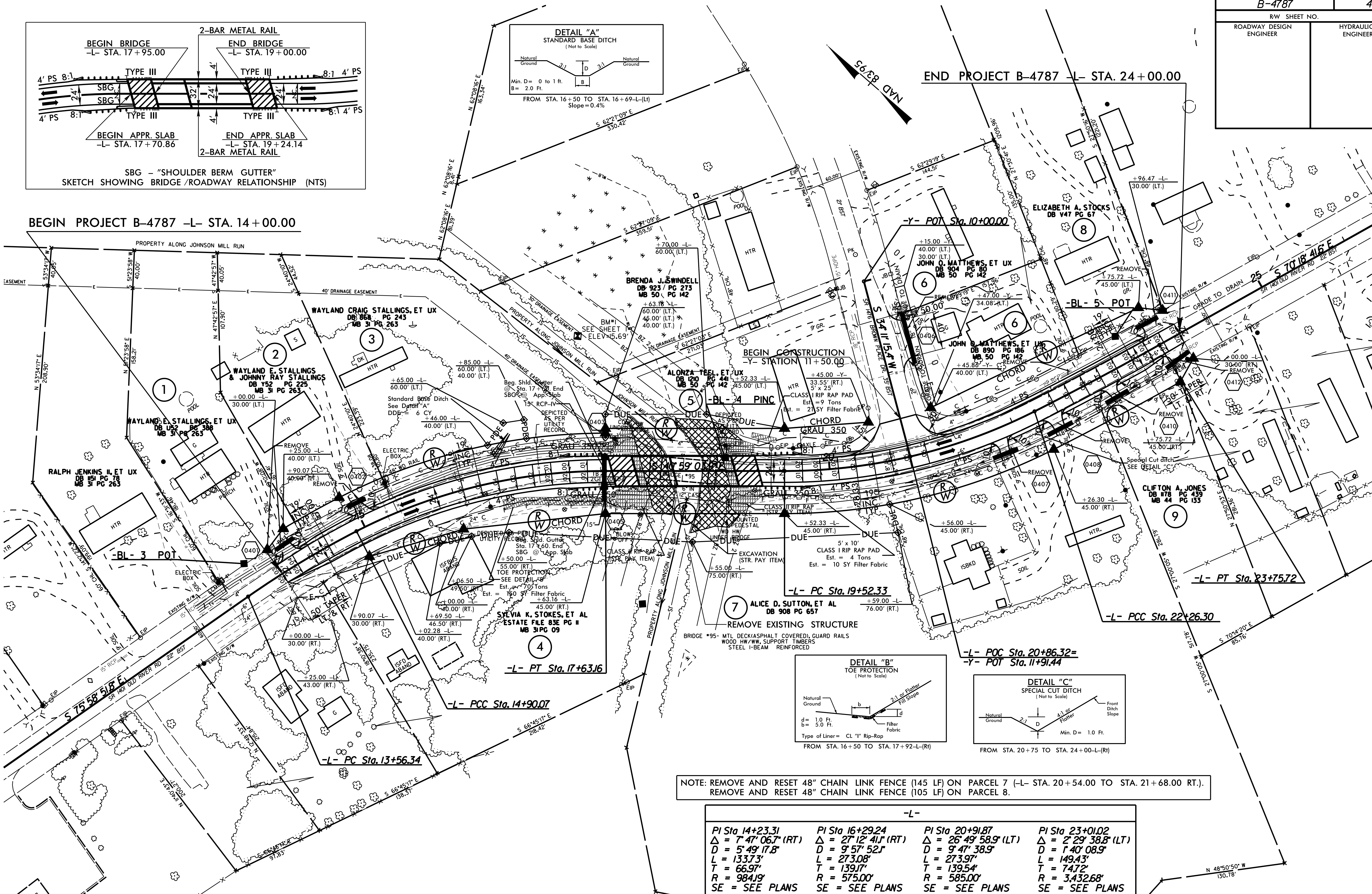
NOTE: TRANSITION FROM TYPICAL SECTION NO. 1 TO EXISTING
-L- STA 23+50.00 TO STA 24+00.00

NOTE: SR 1401 (OLD RIVER ROAD) IS A DESIGNATED BICYCLE ROUTE, NC 2.

29-NOV-2011 06:43
R:\Roadway\Projects\b4787_rdy_typ.dgn
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
B-4787	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS



BEGIN PROJECT B-4787 -L- STA. 14+00.00
END PROJECT B-4787 -L- STA. 24+00.00
NAD 83/95
BEGIN BRIDGE -L- STA. 17+95.00
END BRIDGE -L- STA. 19+00.00
BEGIN APPR. SLAB -L- STA. 17+70.86
END APPR. SLAB -L- STA. 19+24.14
2-BAR METAL RAIL
TYPE III
SBG - "SHOULDER BERM GUTTER"
SKETCH SHOWING BRIDGE /ROADWAY RELATIONSHIP (NTS)
DETAIL "A"
STANDARD BASE DITCH
(Not to Scale)
FROM STA. 16+50 TO STA. 16+69-L-(Lt)
Slope=0.4%
DETAIL "B"
TOE PROTECTION
(Not to Scale)
FROM STA. 16+50 TO STA. 17+92-L-(Rt)
DETAIL "C"
SPECIAL CUT DITCH
(Not to Scale)
FROM STA. 20+75 TO STA. 24+00-L-(Rt)
PROPERTY ALONG JOHNSON MILL RUN
WAYLAND CRAIG STALLINGS, ET UX
WAYLAND E. STALLINGS & JOHNNY RAY STALLINGS
WAYLAND E. STALLINGS, ET UX
RALPH JENKINS II, ET UX
BRENDA J. SWINDELL
ALONZA TEEL, ET UX
JOHN O. MATTHEWS, ET UX
ELIZABETH A. STOCKS
CLIFTON A. JONES
SYLVIA K. STOKES, ET AL
ALICE D. SUTTON, ET AL
BEGIN CONSTRUCTION -Y- STATION 11+50.00
-Y- POT Sta. 10+00.00
-L- PC Sta. 13+56.34
-L- PCC Sta. 14+90.07
-L- PT Sta. 17+63.16
-L- PC Sta. 19+52.33
-L- POC Sta. 20+86.32= -Y- POT Sta. 11+91.44
-L- PCC Sta. 22+26.30
-L- PT Sta. 23+75.72
-BL- 3 POT
-BL- 4 PINC
-BL- 5 POT
REMOVE EXISTING STRUCTURE
BRIDGE #95- MTL DECK(ASPHALT COVERED), GUARD RAILS WOOD HW/WW, SUPPORT TIMBERS STEEL I-BEAM REINFORCED
SR 1401 OLD RIVER RD
S 75°58'51.8" E
S 70°18'41.6" E

NOTE: REMOVE AND RESET 48" CHAIN LINK FENCE (145 LF) ON PARCEL 7 (-L- STA. 20+54.00 TO STA. 21+68.00 RT.).
REMOVE AND RESET 48" CHAIN LINK FENCE (105 LF) ON PARCEL 8.

-L-			
PI Sta 14+23.31	PI Sta 16+29.24	PI Sta 20+91.87	PI Sta 23+01.02
Δ = 7° 47' 06.7" (RT)	Δ = 27° 12' 41.1" (RT)	Δ = 26° 49' 58.9" (LT)	Δ = 2° 29' 38.8" (LT)
D = 5° 49' 17.8"	D = 9° 57' 52.1"	D = 9° 47' 38.9"	D = 1° 40' 08.9"
L = 133.73'	L = 273.08'	L = 273.97'	L = 149.43'
T = 66.97'	T = 139.17'	T = 139.54'	T = 74.72'
R = 984.19'	R = 575.00'	R = 585.00'	R = 3,432.68'
SE = SEE PLANS	SE = SEE PLANS	SE = SEE PLANS	SE = SEE PLANS

TRANSITION FROM EXIST. TO 4' PAVED SHOULDER -L- STA. 14+00.00 TO STA. 14+50.00 LT. & RT.

TRANSITION FROM 4' PAVED SHOULDER TO EXIST. -L- STA. 23+50.00 TO STA. 24+00.00 LT. & RT.

NOTE: MILL PAVEMENT AT -Y- STA. 11+50.00 TIE-IN

SEE SHEET 5 FOR -L- AND -Y- PROFILES
SEE SHEET S-1 THRU S-? FOR STRUCTURE PLANS

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
B-4787	5

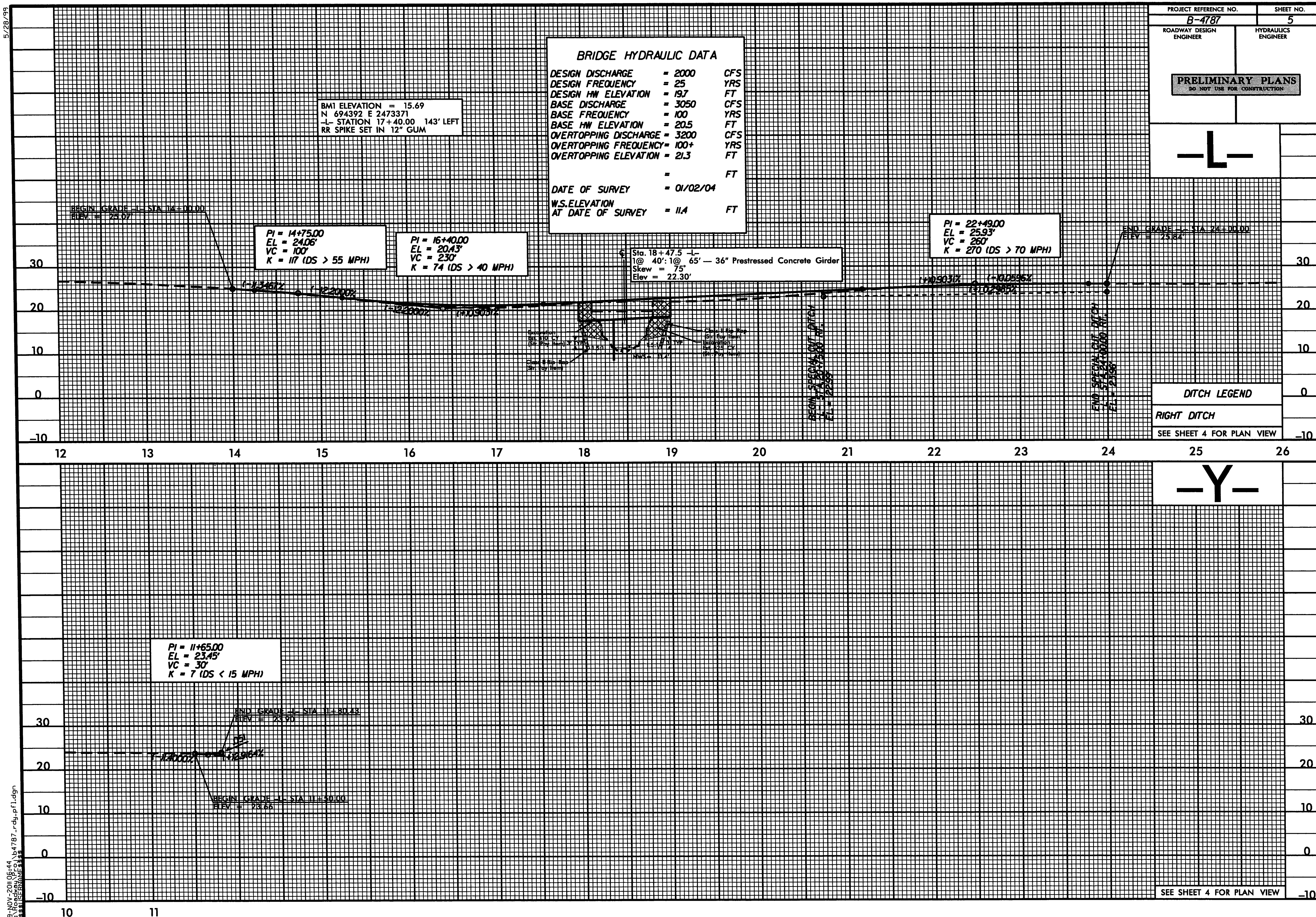
ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 2000	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 19.7	FT
BASE DISCHARGE	= 3050	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 20.5	FT
OVERTOPPING DISCHARGE	= 3200	CFS
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING ELEVATION	= 21.3	FT
	=	FT
DATE OF SURVEY	= 01/02/04	
W.S. ELEVATION AT DATE OF SURVEY	= 11.4	FT

BM1 ELEVATION = 15.69
N 694392 E 2473371
-L- STATION 17+40.00 143' LEFT
RR SPIKE SET IN 12" GUM

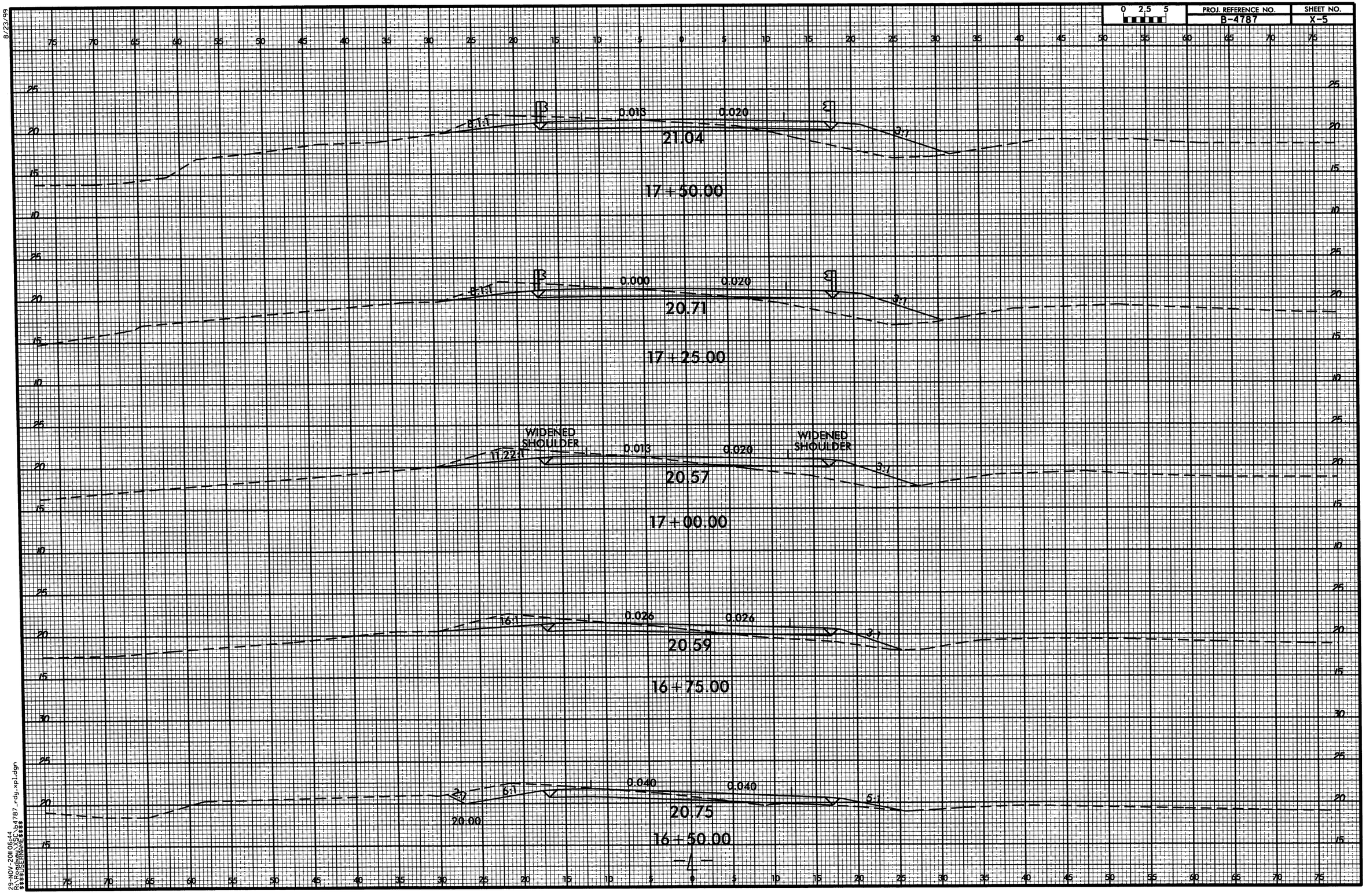


5/28/99

29-NOV-2011 05:44
b4787_rdy_pfl.dgn

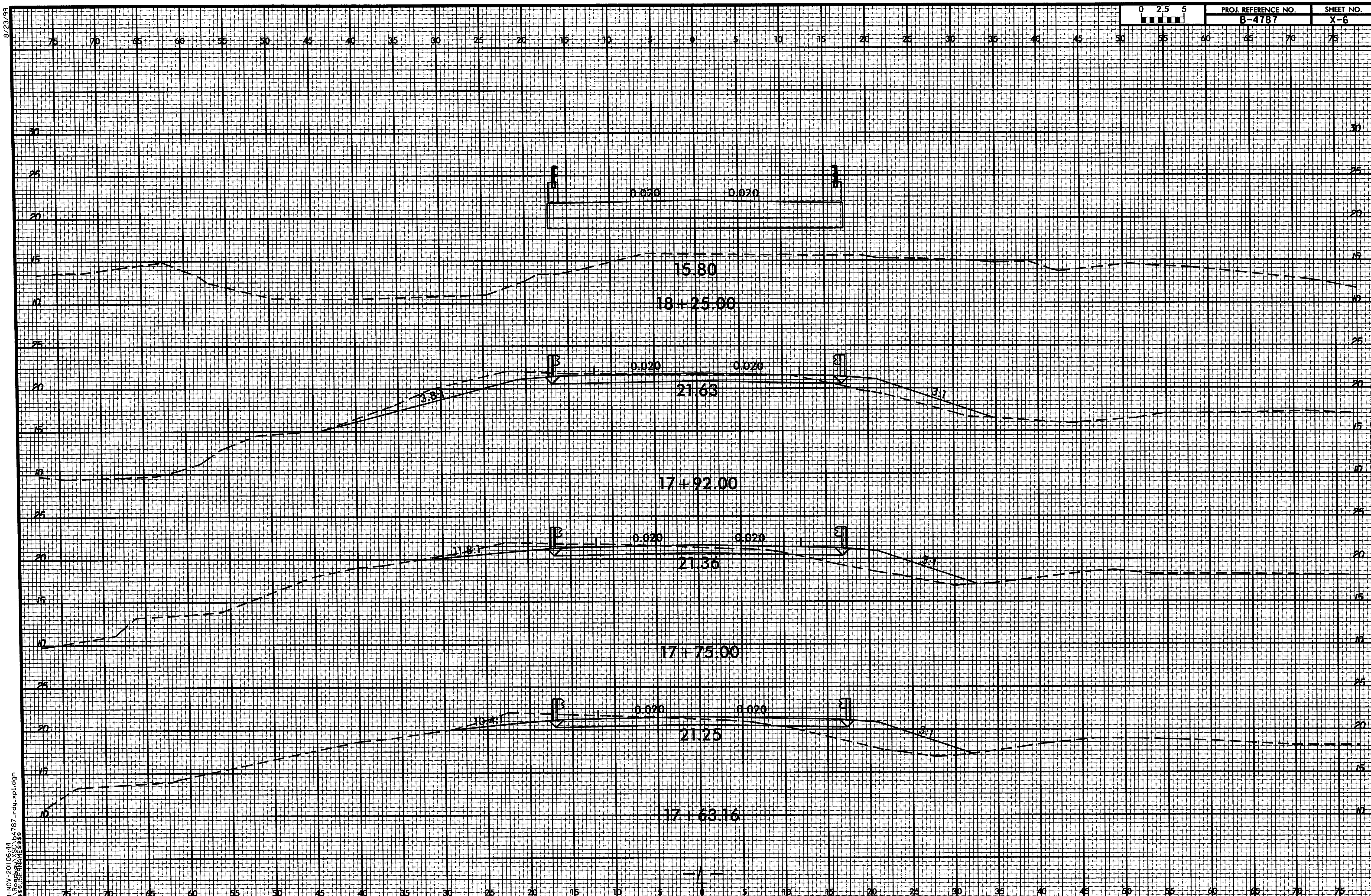
8/23/99

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4787	X-5



29-NOV-2011 06:44
R:\Roadway\XSC_b4787_rdy_xpl.dgn
$$$$USERNAME$$$$

8/23/99



29-NOV-2011 06:44
R:\Roadway\XSC\b4787_rdy_xpl.dgn
$$$$USERNAME$$$$

8/23/99

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4787	X-7