

# STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR. SECRETARY

November 1, 2011

U. S. Army Corps of EngineersRegulatory Field Office69 Darlington Ave.Wilmington, NC 28403

Attn: Mr. Ronnie Smith

NCDOT Coordinator

Dear Sir:

Subject: Application for a Section 10 Permit, Individual Section 404 Permit, and Individual

Section 401 Water Quality Certification for the replacement of Bridge Nos. 12, 18 and 42 on NC 11 over Cape Fear River and overflows in Bladen County. Federal Aid Project No. BRSTP-0011 (9). State Project No. 8.1421401. TIP No. B-4028. Debit

\$570.00 from WBS 33395.1.1

The North Carolina Department of Transportation (NCDOT), Division of Highways, in consultation with the Federal Highway Administration (FHWA), proposes to construct Bridge No.'s 12, 18 and 42 on NC 11 over the Cape Fear River and overflows. The project is approximately 1.3 miles in length.

The purpose of this letter is to request approval for a Section 10 Permit, Section 404 Individual Permit, and an Individual Section 401 Water Quality Certification. In addition to this cover letter and ENG Form 4345, this application package includes permit drawings, utility permit drawings, and half size roadway plans.

#### 1.0 Purpose and Need

The purpose for this project, as identified in the Final Environmental Assessment (EA), is to improve safety due to Bridge Nos. 12, 18 and 42 having fifty-seven year old superstructures and substructure components which have experienced an increasing degree of deterioration that can no longer be addressed by maintenance activities.

#### 2.0 Project Description

The replacement structures for Bridge No.'s 12, 18 and 42 will consist of a bridge approximately 1,260-foot long, 360-foot, and 360-foot respectively. These bridge lengths are based on preliminary design information and are set by hydraulic requirements. The bridges will be of

TELEPHONE: 919-707-6100

sufficient width to provide for two 12-foot lanes with 4-foot offsets on each side. The roadway grade of each new structure will be approximately the same as the existing grade.

# 3.0 Summary of Impacts

Waters of the U.S.: Proposed impacts to jurisdictional areas total 1.12 acres of permanent wetland impacts, 0.043 acre of temporary wetland impacts, 1.73 acres of permanent surface water impacts and 3,910 square feet of temporary surface water impacts.

## 4.0 Summary of Mitigation

The proposed construction of B-4028 will permanently impact 1.12 acres of jurisdictional riparian wetlands that will require mitigation. The unavoidable impacts to jurisdictional riparian wetlands will be offset by compensatory mitigation provided by the NC Ecosystem Enhancement Program (EEP).

# 5.0 Project Schedule

Construction phasing of this project will begin with utility relocations then bridge and causeway replacement. Permit drawings are attached for both portions. The let date is currently August 21, 2012. The let date, however, may advance as additional funds become available.

#### 6.0 NEPA Document Status

The FHWA and NCDOT completed the Environmental Assessment (EA) on January 19, 2010 in compliance with the NEPA guidelines. The EA explains the purpose and need for the project, provides a description of the alternatives considered, and characterizes the social, economic, and environmental effects. The EA was approved and circulated to federal, state, and local agencies. Following the EA, a Finding of No Significant Impact (FONSI) was completed on September 23, 2010. Copies of the project documents have been provided to regulatory review agencies involved in the approval process. Additional copies will be provided upon request.

#### 6.1 Independent Utility

B-4028 is in compliance with 23 CFR Part 771.111(f) which lists the FHWA characteristics of the independent utility of a project. The project meets the criteria for independent utility as discussed below:

- The project has logical termini and independent utility and is of sufficient length to address environmental matters on a broad scope;
- The project is usable and a reasonable expenditure of funds, even if no additional transportation improvements are made in the area; and
- The project does not restrict consideration of alternatives for other reasonably foreseeable transportation improvements.

#### 7.0 Resource Status

The project is located in the Cape Fear River Basin and lies within Hydrologic Unit 03030005 (Subbasin 03-06-16). This is within the Middle Atlantic Coastal Plain ecoregion.

#### 7.1 Wetland Delineations

A wetland delineation for the study area was performed and summarized in the 2002 <u>Natural Resources Technical Report</u> (NRTR). The wetlands within the study area were delineated based on the 1987 U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual and a preliminary design was prepared to avoid and minimize impacts to wetlands to the maximum extent possible. Wetland delineations were completed in July 2001. This delineation was later field verified by Mr. Richard Spencer of the USACE, Wilmington District) on December 29, 2004. The study area was re-delineated in August, 2010.

#### 7.2 Stream Delineations

Data collected for streams were derived from USGS topographic maps, the Bladen County Soil Survey (USDA, 1990), and site reconnaissance. The data included stream classifications, which were presented in the NRTR. The USACE concurred on stream classifications by Mr. Richard Spencer of the USACE, Wilmington District) on December 29, 2004.

#### 7.3 R-3825: Characterization of Jurisdictional Sites

#### 7.3.1 Wetlands

There are three wetland communities found within the project study area. The NRTR and EA identify two wetland communities found within the project study area: 'Bottomland Hardwood' and 'Floodplain Slough-Roadside Canal'; which encompass the borrow pits, maintained areas on the west side in the utility corridor and areas that would currently be identified as Non-Tidal Freshwater Marsh. A Riverine Swamp Forest wetland community was also identified after the field work for re-verifying the wetlands. This was classified as a Bottomland Hardwood community in the NRTR and EA. More detailed information about these wetlands can be found in the EA and the NRTR which includes figures showing the wetlands within the project area.

#### 7.3.2 Streams

Best Usage Classifications for the jurisdictional stream is provided in the EA. Neither High Quality Waters (HQW), Water Supplies (WS-I: undeveloped watersheds or WS-II: predominately undeveloped watersheds), nor Outstanding Resource Waters (ORW) occur within 1.0 mile of the project study area. None of the streams are designated as a North Carolina Natural or Scenic River, or as a National Wild and Scenic River. The Cape Fear River is not listed on the Final 2010 Section 303(d) list of impaired waters.

#### 7.4 Impacts to Jurisdictional Resources

Impacts to jurisdictional wetlands and Cape Fear River for B-4028 are summarized below:

<u>Permanent Impacts:</u> Proposed permanent impacts for B-4028 include fill and mechanized clearing in wetlands totaling 1.12 acres of riparian wetlands. Proposed permanent impacts to surface waters for B-4028 are 1.73 acres.

<u>Temporary Impacts:</u> There will be 3,910 square feet of temporary impacts to surface waters due to bridge construction, temporary bents, barge landing, and temporary work bridge. There will be 1,850 square feet of temporary fill to riparian wetlands.

<u>Hand-Clearing</u>: There will be 0.85 acre of hand-clearing in jurisdictional wetlands due to project construction.

<u>Utility Impacts:</u> There will be 2.32 acres of hand-clearing impacts to jurisdictional wetlands as a result of utility relocation. In addition, there will be <0.01 acre of permanent fill due to transmission poles.

## **8.0** Protected Species

Plants and animals with federal classification of Endangered (E), Threatened (T), Proposed Endangered (PE), and Proposed Threatened (PT) are protected under provisions of Section 7 and Section 9 of the Endangered Species Act of 1973, as amended. The United States Fish and Wildlife Service (USFWS, 2010) lists six federally protected species for Bladen County as of the September 22, 2010 listing (Table 1).

**Table 1 Federally Protected Species in Bladen County** 

Common Name	Scientific Name	Federal Status	Habitat Present	Biological Conclusion
American alligator	Alligator mississippiensis	T (S/A)	Yes	N/A
Red-cockaded woodpecker	Picoides borealis	Е	No	No Effect
Shortnose sturgeon	Acipenser brevirostrum	Е	Yes	No Effect
American chaffseed	Schwalbea americana	Е	No	No Effect
Pondberry	Lindera melissifolia	Е	No	No Effect
Rough-leaved loosestrife	Lysimachia asperulaefolia	Е	No	No Effect

Key: E= Endangered, T(S/A) = Threatened (Similarity of Appearance), MANLAA= May Affect, Not Likely to Adversely Affect

The NC Natural Heritage Program (NCNHP) database (updated May 2011) was also reviewed by NCDOT for recorded occurrences of protected species. No occurrences of federally protected species were recorded within one mile for the project study area.

# 8.1 Bald and Golden Eagle Protection Act (BGPA)

In the July 9, 2007 Federal Register (72:37346-37372), the bald eagle was declared recovered, and removed (de-listed) from the Federal List of Threatened and Endangered wildlife. This delisting took effect August 8, 2007. After delisting, the Bald and Golden Eagle Protection Act (Eagle Act) (16 U.S.C. 668-668d) became the primary law protecting bald eagles. A survey was conducted on August 25, 2010 found no nests within 660 feet of the project limits; however, nesting and foraging habitat is present.

#### 8.2 Moratorium

There is an in-water work moratorium for B-4028. According to the NC Wildlife Resources Commission (NCWRC), anadromous fish species and shortnose sturgeon are found in this portion of the Cape Fear River. An in-water work moratorium between February 15 and June 30 will apply to the Cape Fear River. This was requested in a letter from the NCWRC dated February 12, 2010. Correspondence (attached) with NMFS concurred that NCWRC's moratorium would also be adequate for the shortnose sturgeon. Additionally, the Cape Fear River is also designated as an Inland Primary Nursery Area (IPNA) in the study area. However, NCWRC stated through personal communication (Travis Wilson, Oct. 4, 2011) that NCDOT is not required to adhere to the IPNA in-water work moratorium.

#### 9.0 Cultural Resources

The potential effect of the proposed project on cultural resources in the project area was evaluated in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended. The State Historic Preservation Office (SHPO) letter, dated May 15, 2008 determined that removal of the existing structure (Bridge No. 12) will have an Adverse Affect on the historic property, which will require a Memorandum of Agreement (MOA). On August 18, 2010, NCDOT, FHWA, and SHPO completed an MOA for the replacement of Bridge No. 12. The filing of the MOA and execution of its terms completes the requirements of Section 106 of the National Preservation Act and the Advisory Council on Historic Preservation regulations with this project (see FONSI Appendix D).

An archaeological survey of the project's area of potential effect was conducted by NCDOT archaeologists to determine the project's impact on significant archaeological or historical resources. No archaeological sites were found within the project's area of potential effects. Therefore, no additional archaeological investigation is recommended for this project. The SHPO concurred with these findings in a letter dated May 15, 2002. A copy of this letter can be found in the FONSI.

## 10.0 FEMA Compliance

The project has been coordinated with appropriate state and local officials and the Federal Emergency Management Agency (FEMA) to assure compliance with FEMA, state, and local floodway regulations.

## 11.0 Mitigation Options

The NCDOT is committed to incorporating all reasonable and practicable design features to avoid and minimize jurisdictional impacts, and to provide full compensatory mitigation of all remaining, unavoidable jurisdictional impacts. Avoidance measures were taken during the planning and NEPA compliance stages; minimization measures were incorporated as part of the project design.

#### 11.1 Avoidance and Minimization

All jurisdictional features were delineated, field verified and surveyed within the corridor for the NC 11 bridge replacements. Using these surveyed features, preliminary designs were adjusted to avoid and/or minimize impacts to jurisdictional areas. NCDOT employs many strategies to avoid and minimize impacts to jurisdictional areas in all of its designs. Many of these strategies have been incorporated into BMP documents that have been reviewed and approved by the resource agencies and which will be followed throughout construction. All wetland areas not affected by the project will be protected from unnecessary encroachment. Individual avoidance and minimization items are as follows:

- No staging of construction equipment or storage of construction supplies will be allowed in wetlands or near surface waters.
- The project was designed to avoid or minimize disturbance to aquatic life movements.
- NCDOT will minimize long-term water quality impacts through the use of the most recent Best Management Practices for Protection of Surface Waters, as identified in the Federal Aid Highway Program (FHPM) and North Carolina Administrative Code, Chapter 4.
- NCDOT and its contractors will not excavate, fill, or perform land clearing activities within Waters of the U.S. or any areas under the jurisdiction of the USACE, except as authorized by the USACE. To ensure that all borrow and waste activities occur on high ground, except as authorized by permit, the NCDOT shall require its contractors to identify all areas to be used to borrow material, or to dispose of dredged, fill or waste material. Documentation of the location and characteristics of all borrow and disposal sites associated with the project will be available to the USACE on request.
- The use of existing bridge during bridge construction over the Cape Fear River.
- The use of 3:1 fill slopes in jurisdictional areas where practicable.
- NCDOT's Stream Crossing Guidelines for Anadromous Fish Passage will apply to the Cape Fear River.
- No in-water work will be performed in the Cape Fear River between February 15th and June 30th, due to the likely presence of shortnose sturgeon and other anadromous fish.
- NCDOT will implement Best Management Practices for Bridge Demolition and Removal. The asphalt-wearing surface of the three bridges and bridge rails will be removed without dropping them into the water prior to bridge demolition.
- Utilizing existing road and utility corridor to relocate new utilities, thus reducing the need for a new utility corridor.
- Special Sediment Control Fence will be used were applicable.
- The use of hand clearing rather than mechanized clearing where possible.

• At the request of regulatory agencies, NCDOT will remove the existing causeway and grade the area down to natural ground elevation within the easement.

# 11.2 Compensation

The NCDOT has avoided and minimized impacts to jurisdictional resources to the greatest extent possible as described above. The unavoidable impacts to jurisdictional riparian and non-riparian wetlands will be offset by compensatory mitigation provided by the EEP. A copy of the EEP acceptance letter, dated November 1, 2011, is attached.

NCDOT is not proposing mitigation for hand clearing for the following reasons:

- This activity does not create a permanent wetland conversion from forested or scrub/shrub to herbaceous.
- Hand clearing is not prohibited based on the following definition of dredged material. Title 33 U.S.C 323.2(d)(2) The term discharge of dredged material does not include the following: (ii) Activities that involve only the cutting or removing of vegetation above the ground (e.g., mowing, rotary cutting, and chainsawing) where the activity neither substantially disturbs the root system nor involves mechanized pushing, dragging, or other similar activities that redeposit excavated soil material.
- Additionally, NCDOT was asked to perform the N.C. Wetland Assessment Method (WAM). This has been performed; however the implementation aspect of WAM has not been put on public notice for comments. For this reason, NCDOT does not feel that WAM should be used at this time to determine the need for compensatory mitigation.

#### 12.0 Indirect and Cumulative Effects

The Environmental Assessment and subsequent Finding of No Significant Impact for B-4028 determined that no significant impacts to natural, ecological, cultural, scenic, or community resources are expected due to the construction of the preferred alternative. Any direct impacts to resources have been avoided (where possible), minimized, and mitigated. The bridge is being replaced immediately upstream of the existing structure and is not creating any new access to adjacent land or offering any significant travel time savings. Therefore, no indirect or cumulative effects are expected due to the construction of B-4028.

#### 13.0 Regulatory Approvals

<u>Section 10:</u> Application is hereby made for a USACE Section 10 Permit as required for the above-described activities.

<u>Section 404:</u> Application is hereby made for a USACE Individual 404 Permit as required for the above-described activities.

Section 401: We are also requesting a Section 401 Water Quality Certification from the NCDWQ. In compliance with Section 143-215.3D(e) of the NCAC, we will provide \$570.00 to act as payment for processing the Section 401 permit application previously noted in this application (see Subject line). We are providing five (5) copies of this application to the NCDWQ, for their approval.

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 John S. Merritt at 919-707-6140 or jsmerritt@ncdot.gov.

Sincerely,

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

cc list:

NCDOT Permit Application Standard Distribution List.

# U.S. ARMY CORPS OF ENGINEERS APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT (33 CFR 325)

OMB APPROVAL NO. 0710-0003 EXPIRES: 31 AUGUST 2012

Public reporting for this collection of information is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters, Executive Services and Communications Directorate, Information Management Division and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

#### PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

	(ITEMS 1 THRU 4 TO BE	FILLED BY THE CORPS)	
1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
	(ITEMS BELOW TO BE	FILLED BY APPLICANT)	
5. APPLICANT'S NAME		8. AUTHORIZED AGENT'S NA	ME AND TITLE (agent is not required)
First - Middle -	Last -	First - Middle	e - Last -
Company - North Carolina Departr	nent of Transportation	Company -	
E-mail Address - jsmerritt@ncdot.go	ov	E-mail Address -	
6. APPLICANT'S ADDRESS:	The second secon	9. AGENT'S ADDRESS:	
Address- 1548 Mail Service Cente	er .	Address-	
City - Raleigh State - N	C Zip - 27699 Country - USA	City - Sta	ate - Zip - Country -
7. APPLICANT'S PHONE NOs. w/ARI	EA CODE	10. AGENTS PHONE NOs. w//	AREA CODE
a. Residence b. Business		a. Residence b. B	usiness c. Fax
919-707-6	919-250-4224		
	STATEMENT OF	AUTHORIZATION	
11. I hereby authorize,supplemental information in support of		my agent in the processing of the	nis application and to furnish, upon request,
	SIGNATURE OF APPLIC	CANT DATE	_
	NAME, LOCATION, AND DESCRI	PTION OF PROJECT OR ACTIV	/ITY
12. PROJECT NAME OR TITLE (see	instructions)		
B-4028			
13. NAME OF WATERBODY, IF KNO	WN (if applicable)	14. PROJECT STREET ADDR	tESS (if applicable)
Cape Fear River		Address	
15. LOCATION OF PROJECT		City -	State- Zip-
Latitude: •N 34.39765	Longitude: •W -78.267438	City -	
16. OTHER LOCATION DESCRIPTION			
State Tax Parcel ID	Municipality		
Section - To	wnship -	Range -	

IZ DIDECTIONS TO THE SITE		
17. DIRECTIONS TO THE SITE		
The project is located on NC 11 approximate	tely two miles north of the intersection on NC 11 a	and NC 97
The project is located on NC 11, approxima	tery two mines north of the intersection on NC 11 8	uiu INC 07.
18. Nature of Activity (Description of project, inc		
Proposed replacement of Bridge No. 12 ov	er the Cape Fear River and overflow bridges No. 1	8 and 42. Also relocation of utilities.
19. Project Purpose (Describe the reason or pu	rpose of the project, see instructions)	
Replace structurally deficient bridges.	·	
·		
· · · · · ·		
LISE BLOCK	S 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO	BE DISCHARGED
20. Reason(s) for Discharge		
Construction of roadway and bridge.		
· ·		
!		
	•	
l		
21. Type(s) of Material Being Discharged and t	he Amount of Each Type in Cubic Yards:	
Туре	Туре	Туре
Amount in Cubic Yards	Amount in Cubic Yards	Amount in Cubic Yards
Please see attached permit drawings		
22. Surface Area in Acres of Wetlands or Othe		
Acres 1.12 acres of permanent wetland	impacts, 0.043 acre of temporary wetland impacts	
or		
Linear Feet 1.73 acres of permanent surf	face water impacts, 0.090 acre of temporary impact	S.S.
23. Description of Avoidance, Minimization, an	d Compensation (see instructions)	
See attached cover letter.		
1		

. . .

		] [	ECODIDE THE COLOR	CD MODIC	
24. Is Any Portion of the	Work Already Complete?	Yes ⊠No IF YES, D	ESCRIBE THE COMPLET	ED WORK	
25. Addresses of Adjoinir	ng Property Owners, Lessees	s, Etc., Whose Property Adj	joins the Waterbody (if more	than can be entered here, please at	tach a supplemental list).
a. Address-					
City -		State -	Zip -		
<del>- ,</del>			• •		
b. Address-					
City -		State -	Zip -		
c. Address-					
City -		State -	Zip -		
Only		<b></b>	<b>r</b>		
d. Address-					
City -		State -	Zip -		
e. Address-					
City -		State -	Zip -		
Oity -					
26. List of Other Certification	ates or Approvals/Denials red		State, or Local Agencies for	or Work Described in This A	pplication.
AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
	-				
				- 11 - V	
* Would include but is no	ot restricted to zoning, buildin	g, and flood plain permits			
	y made for permit or permits				
complete and accurate.	I further certify that I possess	s the authority to undertake	the work described herei	n or am acting as the duly a	utnorized agent of the
Pho	11 —	1-1			
	OF ADDITIONAL	11 01 2011	0.0014	TURE OF AGENT	DATE
<b>1</b>	OF APPLICANT	DAIB			
The Application must authorized agent if the	be signed by the person version to be statement in block 11 ha	who desires to undertake as been filled out and sig	e the proposed activity gned.	(applicant) or it may be s	igned by a duly
18 U.S.C. Section 100	01 provides that: Whoeve	r, in any manner within t	he jurisdiction of any d	epartment or agency of the	he United States
knowingly and willfully	falsifies, conceals, or co	vers up any trick, schem	ne, or disguises a mater	rial fact or makes any fals	se, fictitious or
fraudulent statements	or representations or ma or entry, shall be fined no	ikes or uses any false wi	riting or document know imprisoned not more the	ving same to contain any nan five years or both	ralse, fictitious or
fraudulent statements	or representations or ma	kes or uses any false wi	riting or document knov	ving same to contain any	se, fictitious or ralse, fictitious or
rraudulent statements	s or entry, snall be tined no	oumore man \$10,000 or	imprisoned not more t	ian live years of both.	

# STORMWATER MANAGEMENT PLAN

Date: 8/4/11

B-4028, State Project 33395.1.1

Bladen County

Hydraulics Project Engineer: R.C. Henegar, PE

#### ROADWAY DESCRIPTION

This project involves replacing Bridge No. 12 over Cape Fear River and Overflow Bridges No. 18 and No. 42 on NC 11 in Bladen County. The overall length of the project is 1.259 miles. The existing 22-foot paved road is a two-lane road with 2-foot grassed shoulders. Bridge No. 12 is a 1236 ft. twenty three span bridge (2@ 35; 1@ 286; 8@ 44; 1@ 41; 1@ 47; 10@ 44) with a clear roadway width of 30 feet. Bridge No. 18 is a 340ft. ten span bridge (10@ 34) with a clear roadway width of 30 feet. Bridge No. 42 is a 340ft. ten span bridge (10@ 34) with a clear roadway width of 30 feet. The project will be a two-lane section with 12 foot lanes and 4 foot grassed shoulders. The replacement structure for Bridge No. 12 will be a 1275 ft. bridge with 12 spans (1@ 115; 1@ 185; 1@ 120 Steel Girder; 9@ 95) 54" Prestressed Girder with a clear roadway width of 32 feet. The replacement structure for Bridge No. 18 will be a 375 ft. bridge with five spans (5@ 75) 45" Prestressed Girder with a clear roadway width of 32 feet. The replacement structure for Bridge No. 42 will be a 375 ft. bridge with five spans (5@ 75) 45" Prestressed Girder with a clear roadway width of 32 feet. The replacement structure for Bridge No. 42 will be a 375 ft. bridge with five spans (5@ 75) 45" Prestressed Girder with a clear roadway width of 32 feet.

#### ENVIRONMENTAL DESCRIPTION

This project is located in the Cape Fear River Basin. There is one river crossing on this project, which has a WS-IV Sw classification. This river is not on the 303(d) list. Wetlands will be impacted by the proposed project.

#### BEST MANAGEMENT PRACTICES AND MAJOR STRUCTURES

There will be no direct discharge into the stream. Sheet flow will be utilized as much as practicable and discharged onto grassed surfaces.

## Merritt, John S

From: Fritz.Rohde@noaa.gov Monday, July 25, 2011 3:27 PM Sent: Merritt, John S To: Re: RE: B-4028 Subject: I forgot the terminology. Yes, no effect. ---- Original Message -----From: "Merritt, John S" <jsmerritt@ncdot.gov> Date: Monday, July 25, 2011 3:17 pm Subject: RE: B-4028 To: "Fritz.Rohde@noaa.gov" <Fritz.Rohde@noaa.gov> > Sorry for the multiple emails. Just to insure I don't assume, the > call for this species would be 'No Effect'? Thanks again for the help. > John Merritt > -----Original Message-----> From: Fritz.Rohde@noaa.gov [ > Sent: Monday, July 25, 2011 2:49 PM > To: Merritt, John S > Subject: Re: B-4028 > Adhering to the WRC moratorium would provide protection to the > sturgeon also. Thus no impact. > Fritz Rohde > > ---- Original Message -----> From: "Merritt, John S" <jsmerritt@ncdot.gov> > Date: Monday, July 25, 2011 2:26 pm > Subject: B-4028 > To: "Fritz.Rohde@noaa.gov" <Fritz.Rohde@noaa.gov> > > > > Good afternoon, > > > > This is concerning replacing Bridge No. 12 over the Cape Fear > River > and Bridge Nos. 18 and 42 over the Cape Fear River Overflow > areas on > NC 11 in Bladen County. The NCDOT is currently adhering > to an > anadromous fish moratorium requested by WRC (Feb. 15 - June 30). > > NHP records indicated an occurrence upstream of the project site > for > the federally endangered shortnose sturgeon (Acipenser > brevirostrum), > just below lock and dam No. 1 in 1993. Also several > occurrences are > found downstream dated 1993, with the closest > approximately 2.5 miles > from the project area. What would the > appropriate biological > conclusion for this federally-protected > species be, given the current > moratorium?



November 1, 2011

Mr. Gregory J. Thorpe, Ph.D.

Manager, Project Development and Environmental Analysis Branch
North Carolina Department of Transportation
1548 Mail Service Center
Raleigh, North Carolina 27699-1548

Dear Dr. Thorpe:

Subject: EEP Mitigation Acceptance Letter:

**B-4028**, Replace Bridge Number 12 and 18 over the Cape Fear River and Cape Fear River overflow on NC 11, Bladen County

The purpose of this letter is to notify you that the Ecosystem Enhancement Program (EEP) will provide the compensatory riparian wetland mitigation for the subject project. Based on the information supplied by you on October 27, 2011, the impacts are located in CU 03030005 of the Cape Fear River basin in the Southern Inner Coastal Plain (SICP) Eco-Region, and are as follows:

Cape Fear		Stream			Wetlands		Buffer	(Sq. Ft.)
03030005 SICP	Cold	Cool	Warm	Riparian	Non- Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	0	1.12	0	0	0	0

This mitigation acceptance letter replaces the mitigation acceptance letter issued on October 27, 2011. EEP commits to implementing sufficient compensatory riparian wetland mitigation credits to offset the impacts associated with this project in accordance with the N.C. Department of Environment and Natural Resources' Ecosystem Enhancement Program In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from EEP.

If you have any questions or need additional information, please contact Ms. Beth Harmon at 919-715-1929.

Sincerely,

Michael Ellison EEP Deputy Director

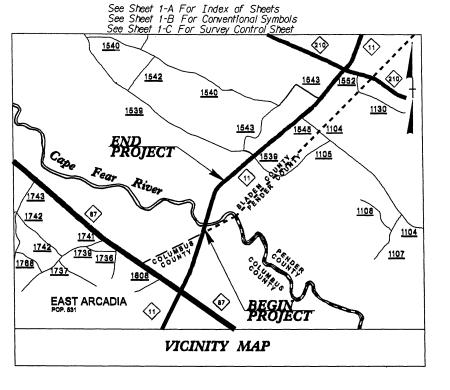
Stupe of

cc: Mr. Ronnie Smith, USACE – Wilmington Regulatory Field Office

Mr. Brian Wrenn, Division of Water Quality, Wetlands/401 Unit

File: B-4028 Revised





STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

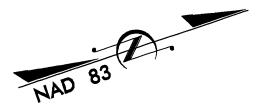
# **BLADEN COUNTY**

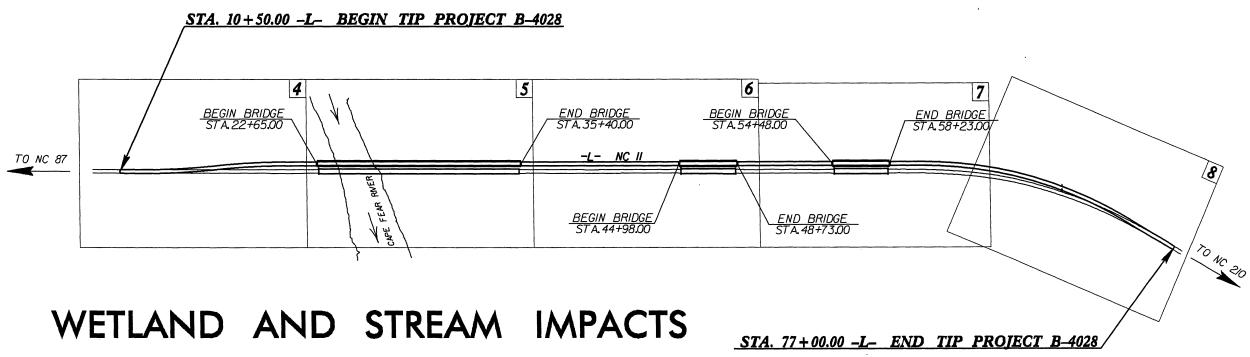
LOCATION: BRIDGE NOS. 12, 18 AND 42 OVER CAPE FEAR RIVER AND OVERFLOW ON NC 11

TYPE OF WORK: GRADING, DRAINAGE, PAVING, GUARDRAIL
AND STRUCTURES

DIALE	SIAI	B PROJECT REPORESCE NO.	NO.	SHRETS				
N.C.		B-4028	8 1					
STAT	E PROLNO.	P. A. PROL NO.	DESCRIP	MON				
333	395.1.1	BRSTP-0011(9)	P.E					
333	395.3.1	BRSTP-0011(9)	RW &	UTIL.				

Permit Drawing
Sheet 1 of 19

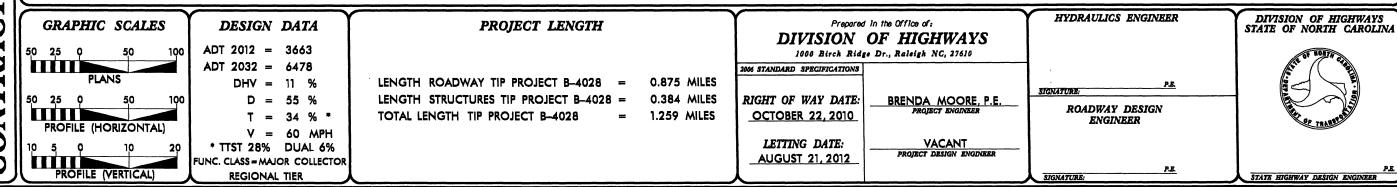




NOTE: THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

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

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

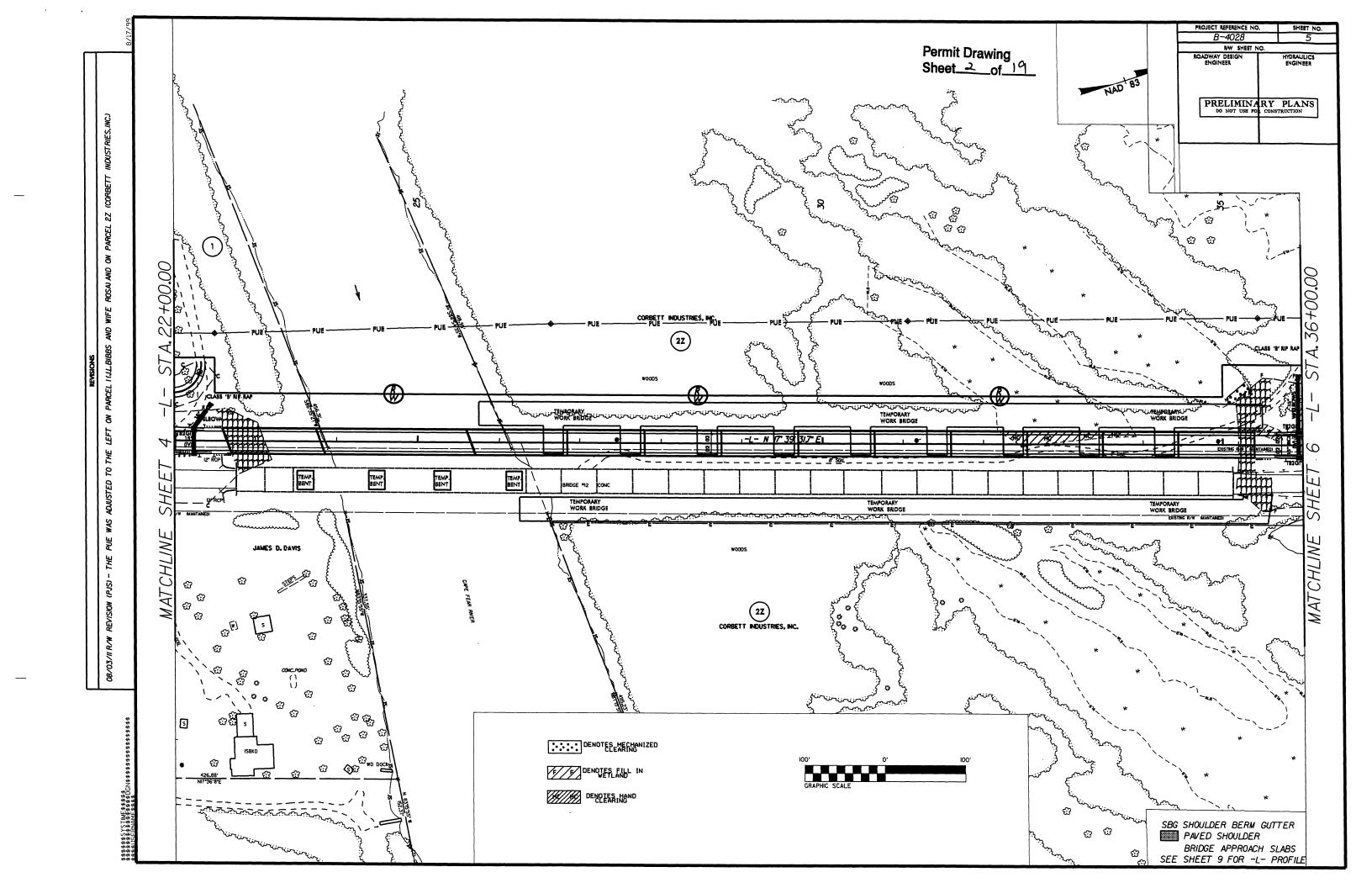


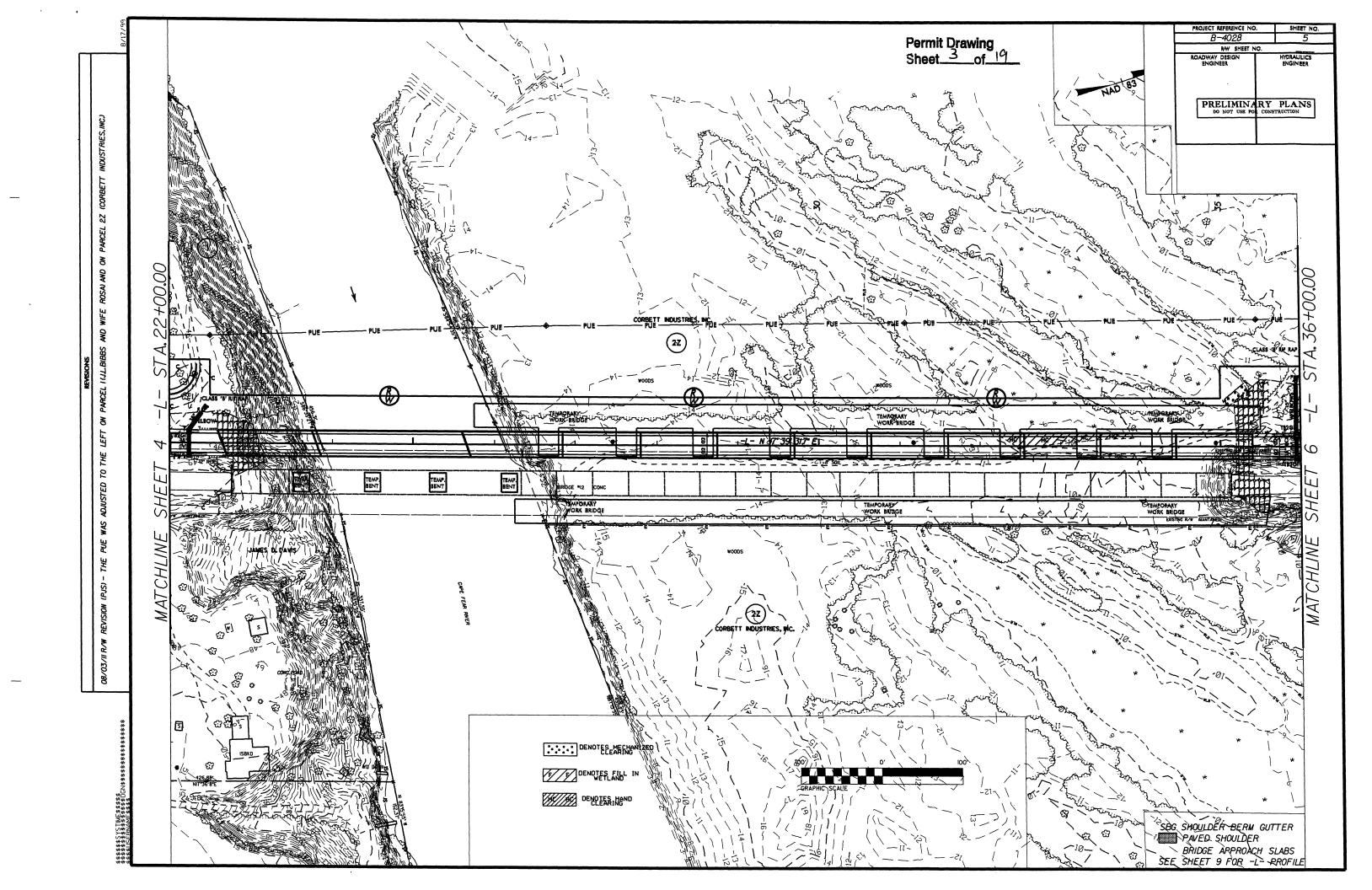
CONTRACT

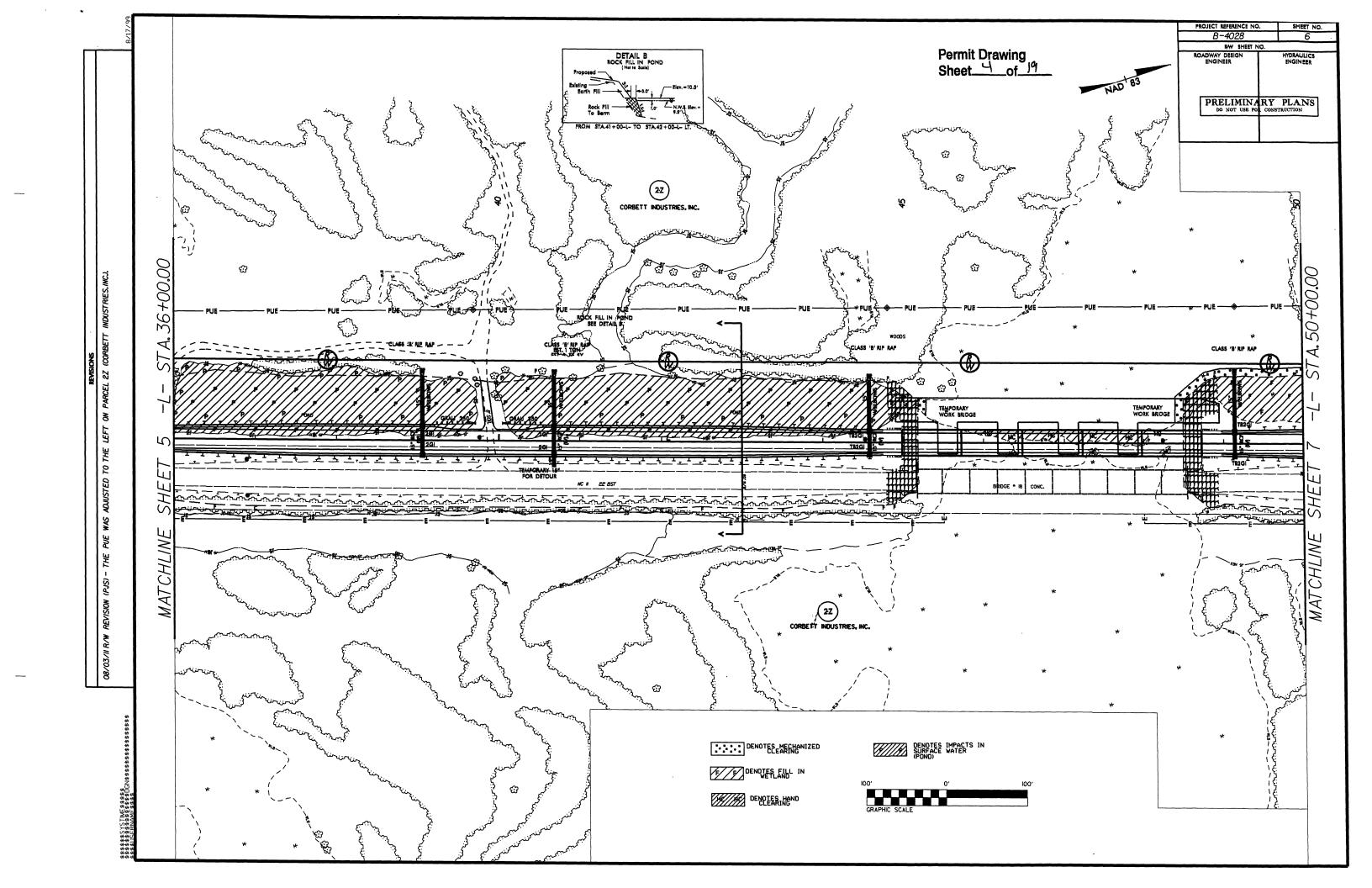
4028

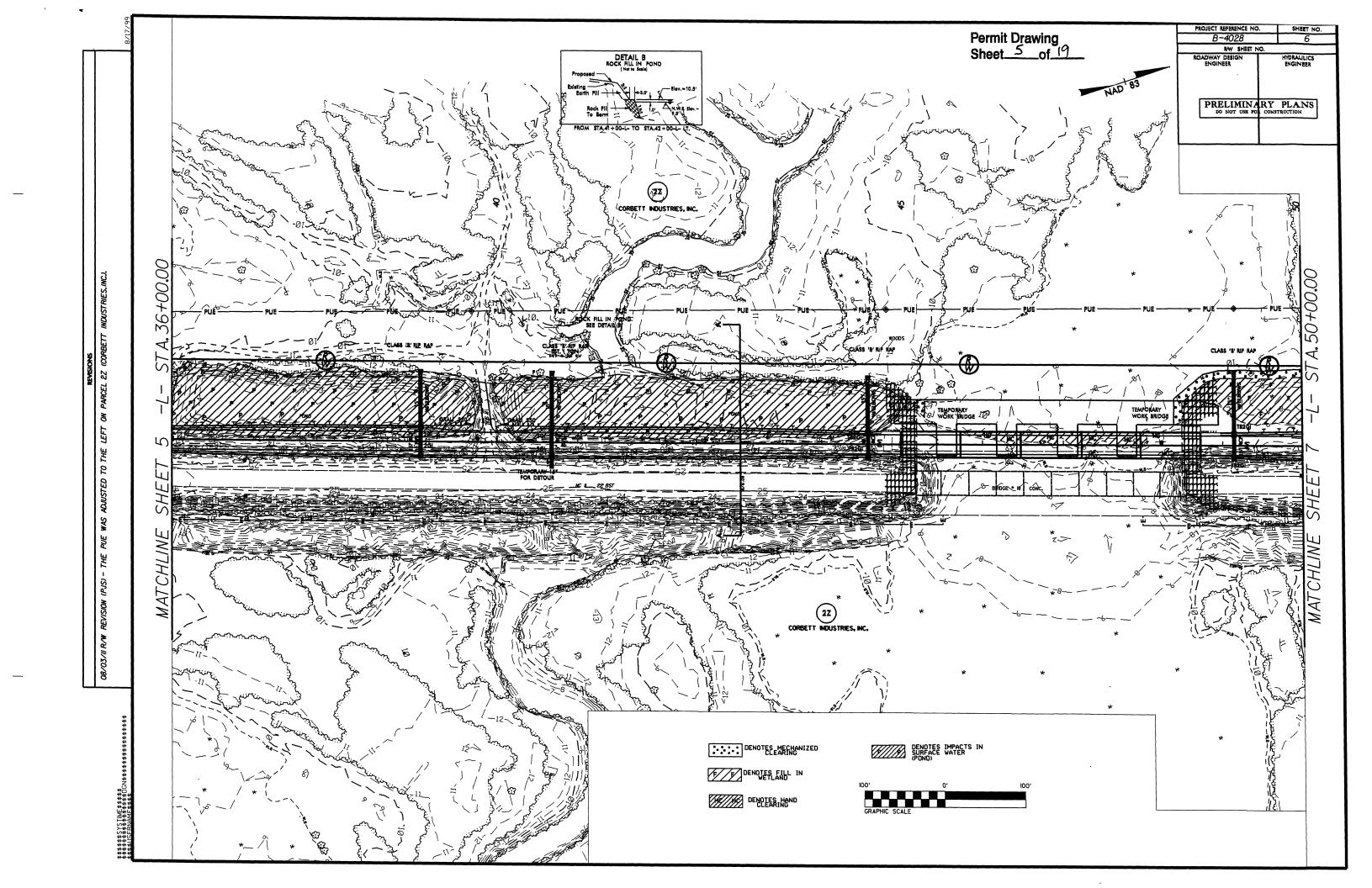
Ŕ

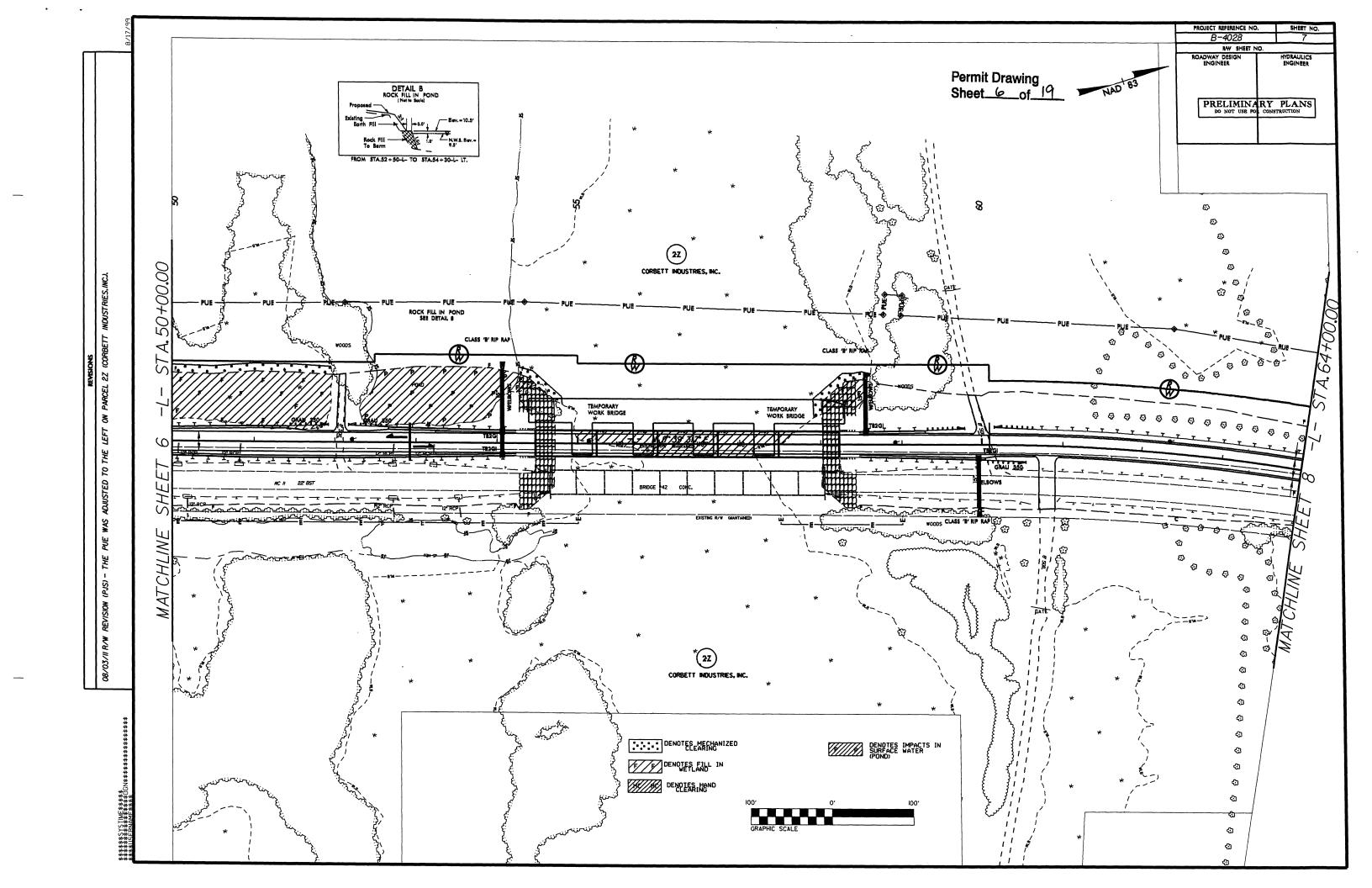
**PROJECT** 

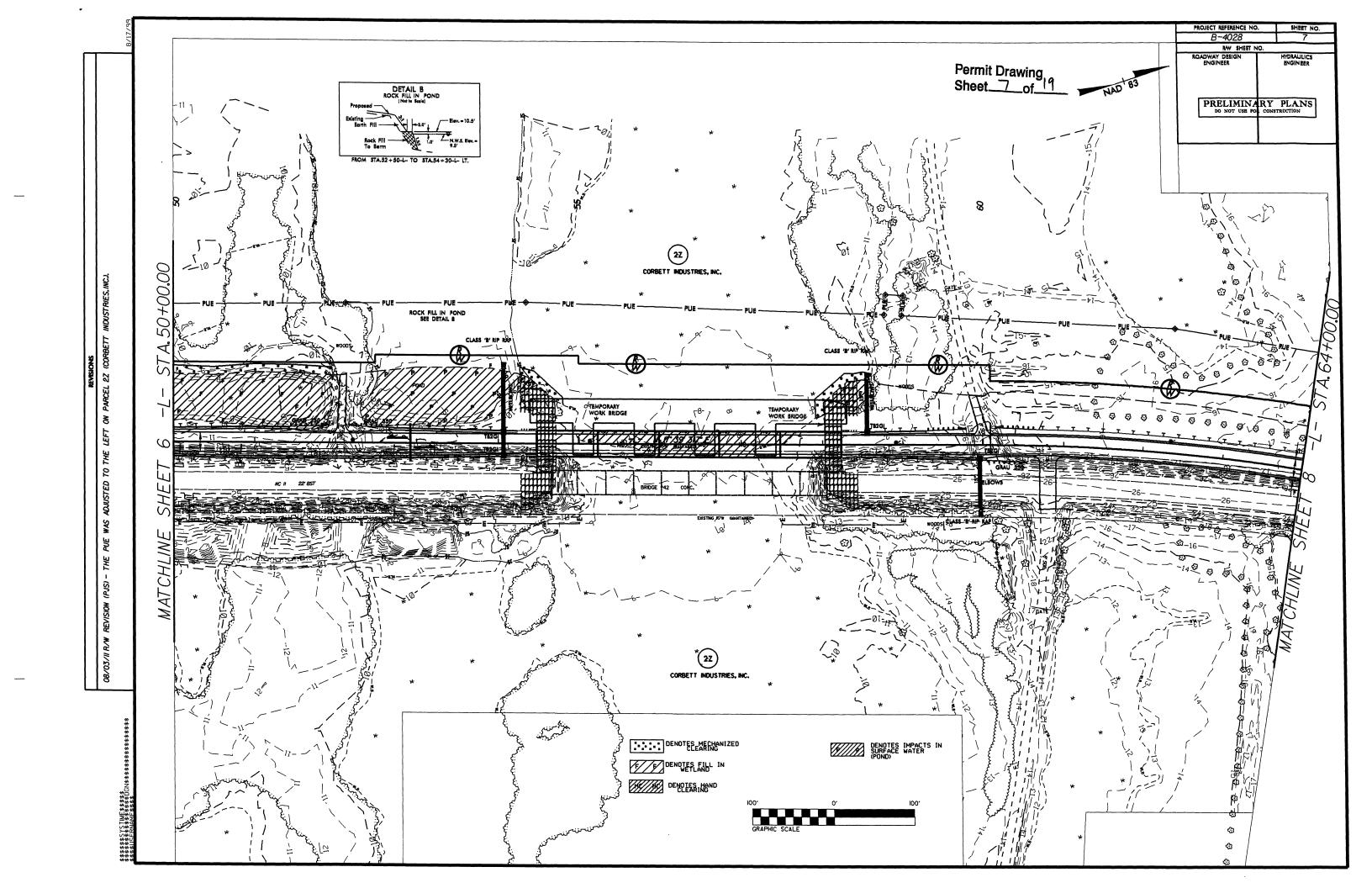


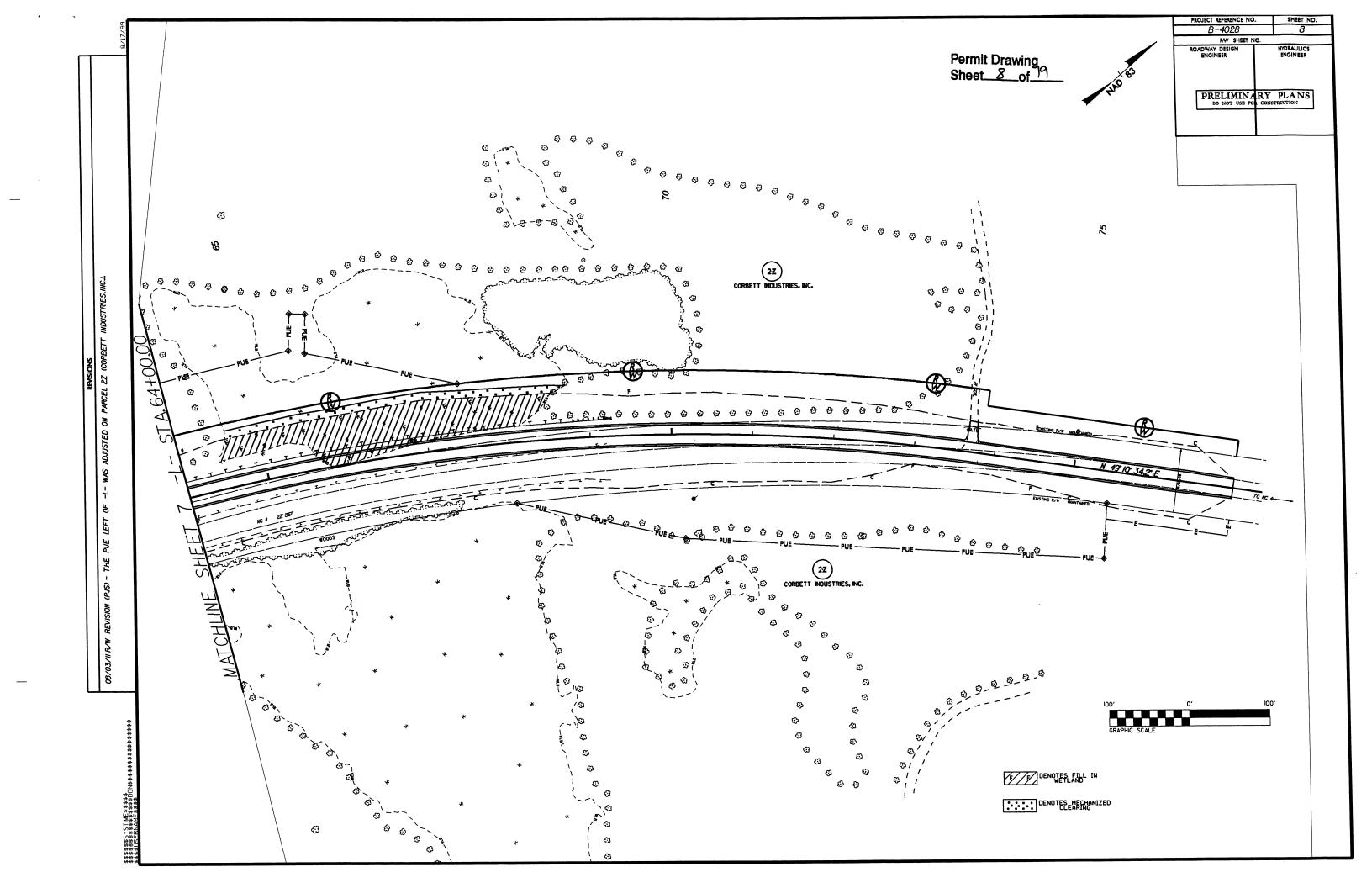


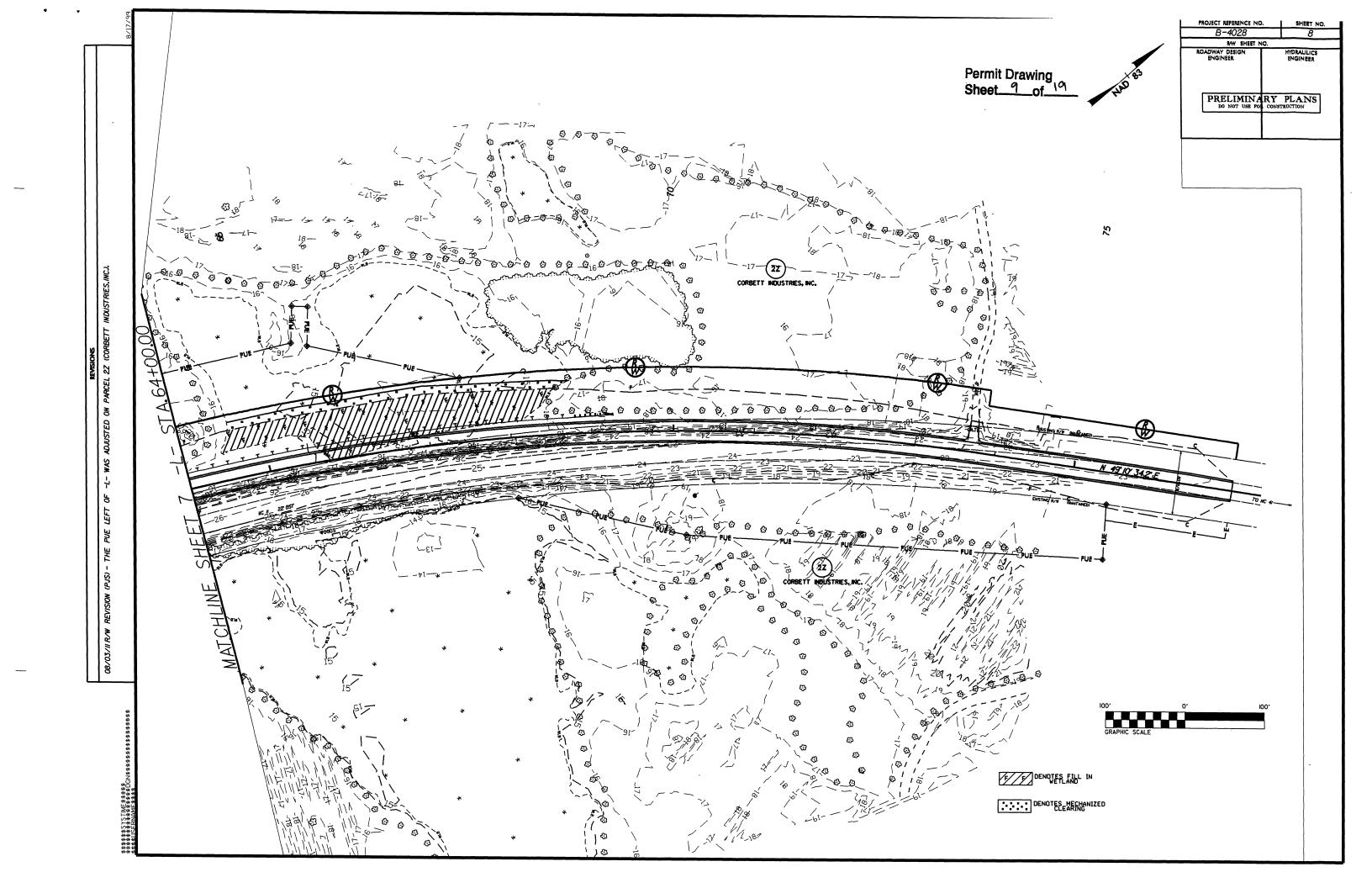


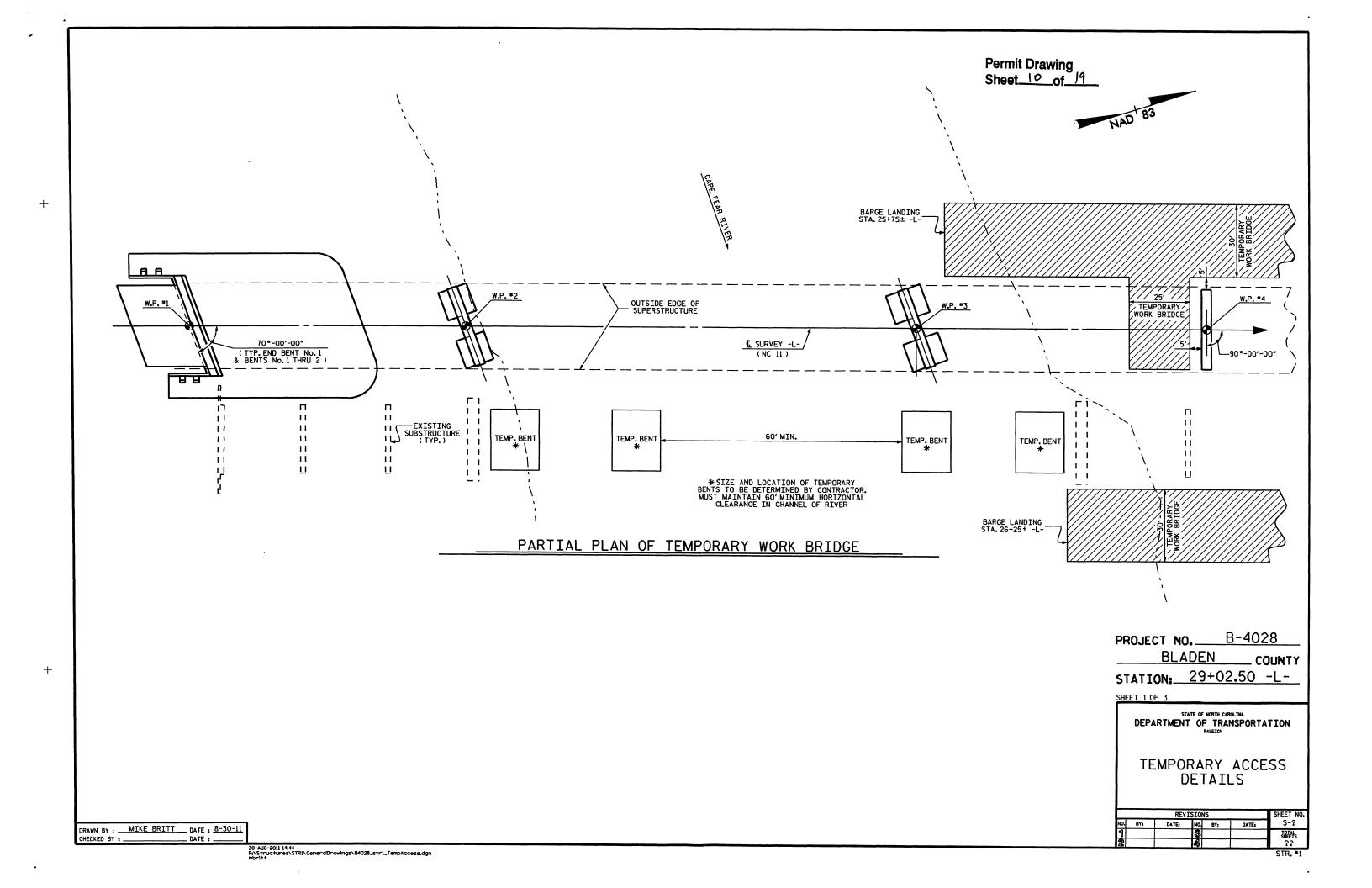




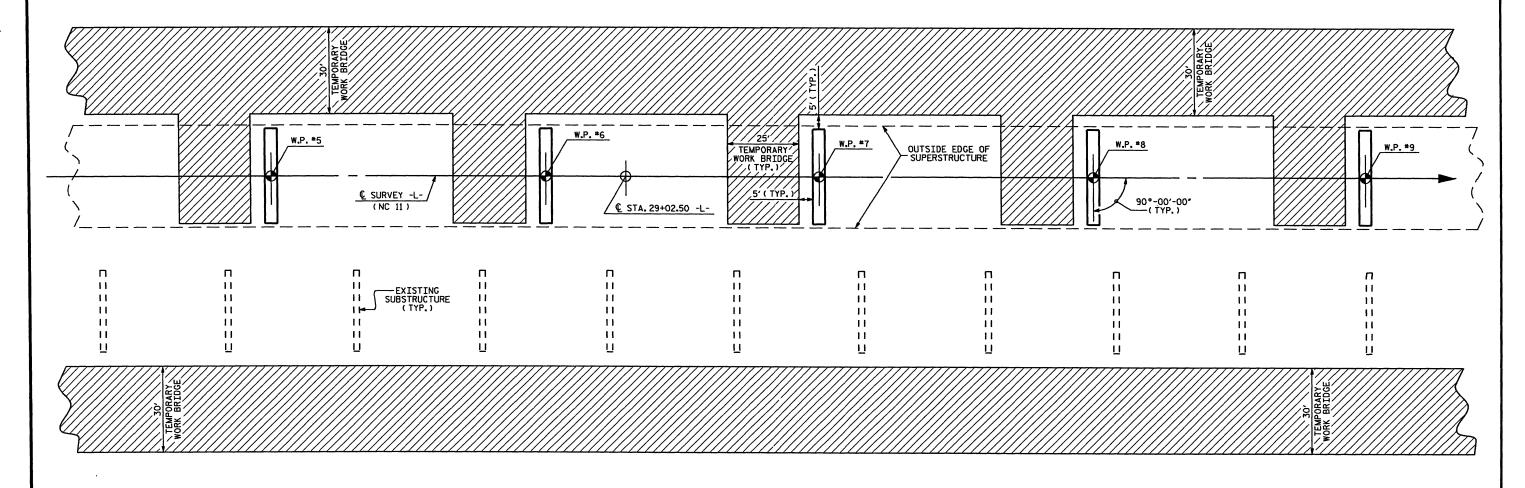








Permit Drawing
Sheet\_\\\_of\_\^\



PARTIAL PLAN OF TEMPORARY WORK BRIDGE

B-4028 PROJECT NO.\_\_\_\_ BLADEN COUNTY STATION: 29+02.50 -L-

SHEET 2 OF 3

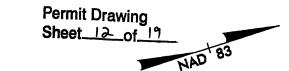
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

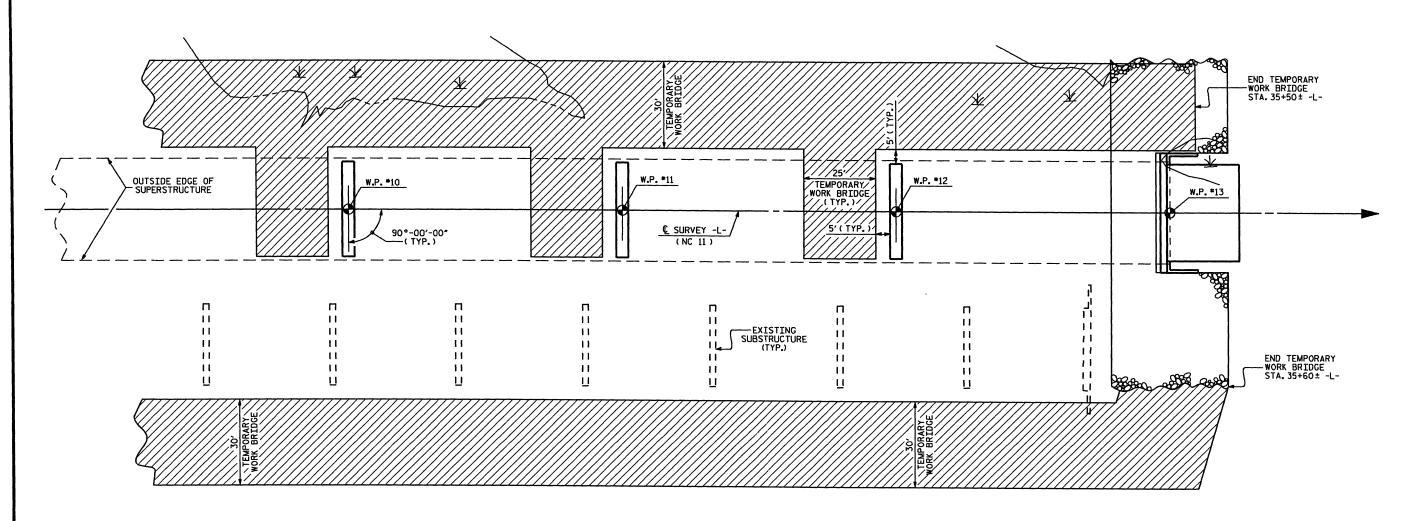
TEMPORARY ACCESS DETAILS

SHEET NO.

DRAWN BY : MIKE BRITT DATE : 8-30-11
CHECKED BY : DATE :

30-AUG-2011 14:44 RNStructures\STRI\GeneralDrawings\B4028\_strl\_TempAccess.dgn mbritt





PARTIAL PLAN OF TEMPORARY WORK BRIDGE

PROJECT NO. B-4028
BLADEN COUNTY
STATION: 29+02.50 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEICH

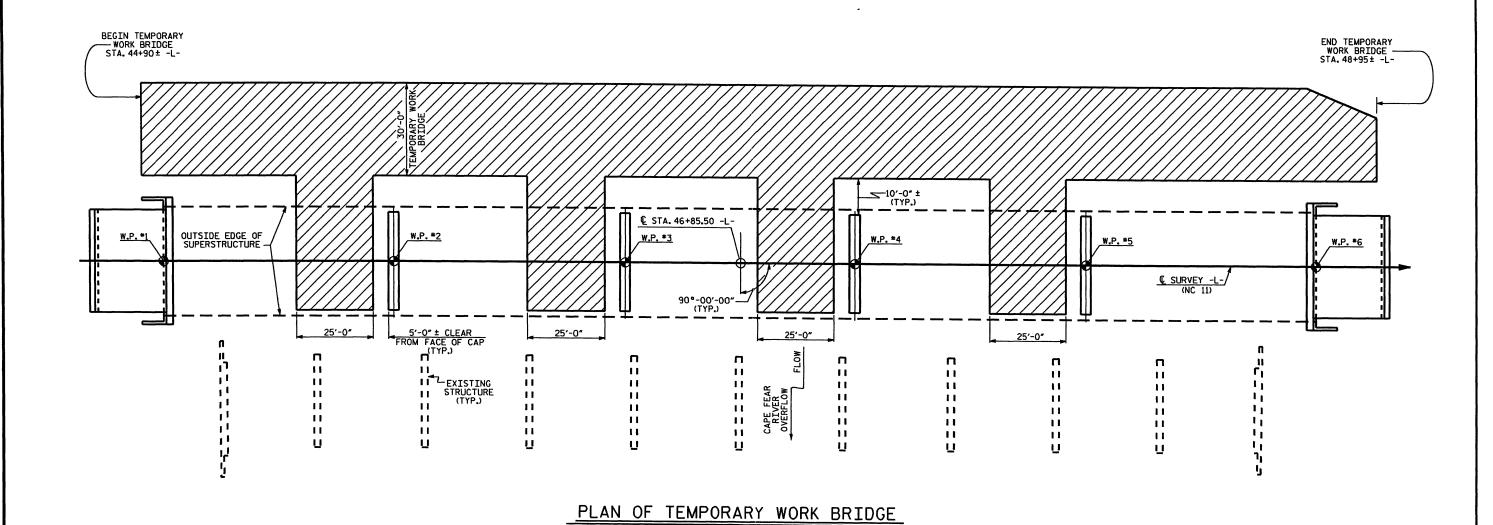
TEMPORARY ACCESS DETAILS

REVISIONS SHEET NO.
YI DATE: NO. BY: DATE: S-?

3 SIGNETS
2?

DRAWN BY : MIKE BRITT DATE : 8-30-11
CHECKED BY : DATE :

Permit Drawing Sheet\_13\_of\_19





PROJECT NO. B-4028

BLADEN COUNTY

STATION: 46+85.50 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

TEMPORARY ACCESS DETAILS

REVISIONS

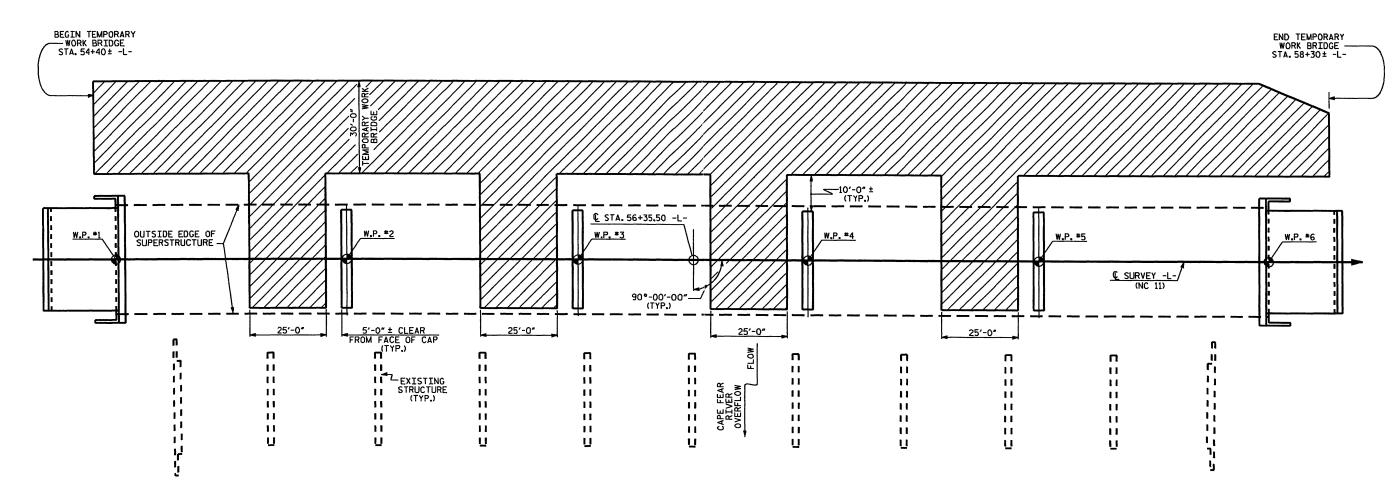
NO. BYI DATE: NO. BY: DATE:

1 3 4

DRAWN BY : S.B. WILLIAMS DATE : 8/11
CHECKED BY : DATE :

30-ALIG-2011 08:04
Ri\Structures\STR2\Gen\_draw\B-4028\_SD\_TA.dgn

STR.



PLAN OF TEMPORARY WORK BRIDGE



B-4028 PROJECT NO.\_\_ BLADEN COUNTY

STATION: 56+35.50 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEICH

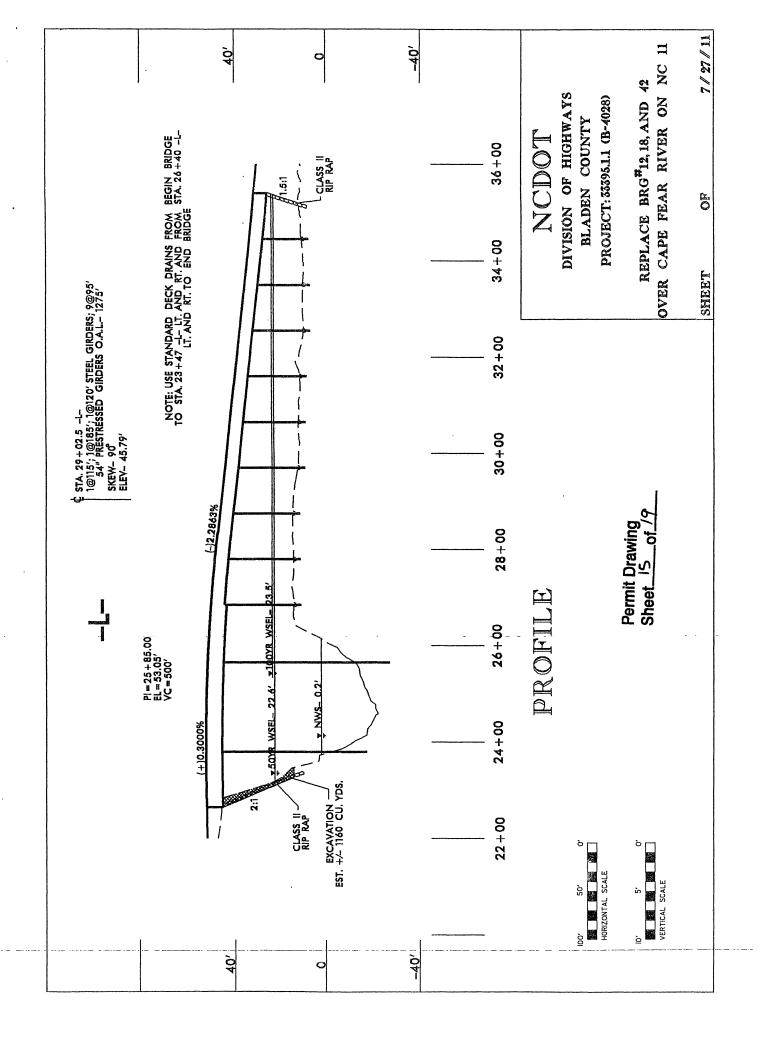
TEMPORARY ACCESS DETAILS

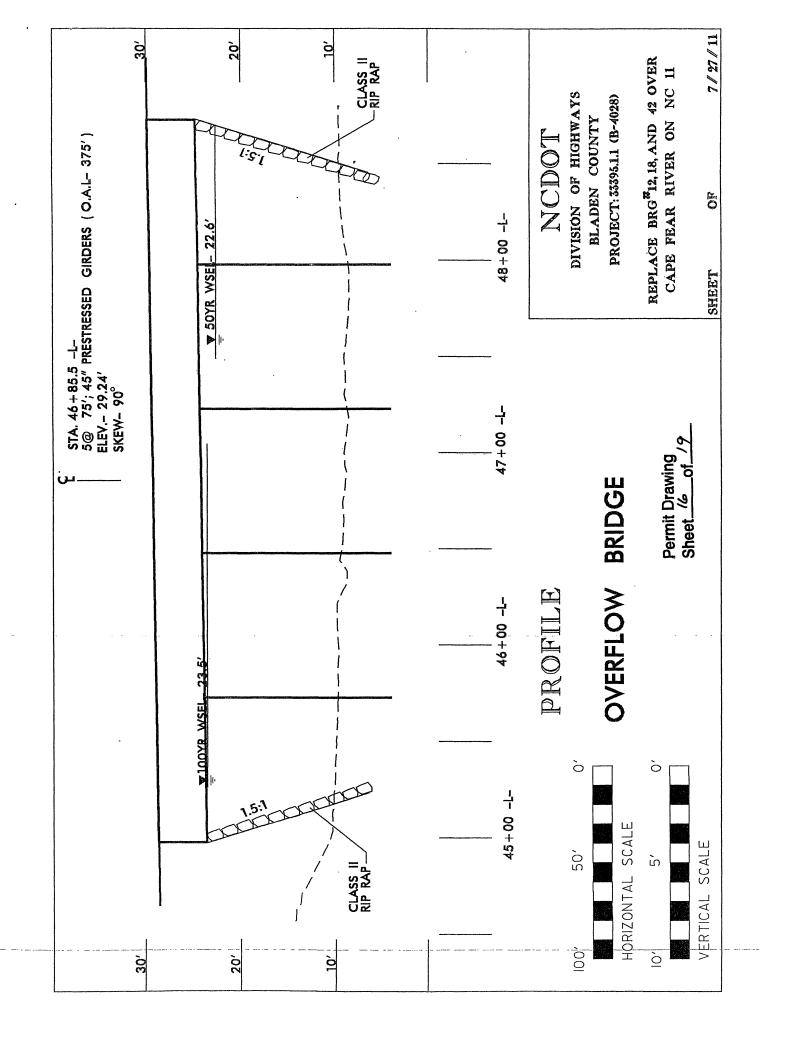
REVISIONS
BY: DATE: NO. BY: DATE: SHEET NO.

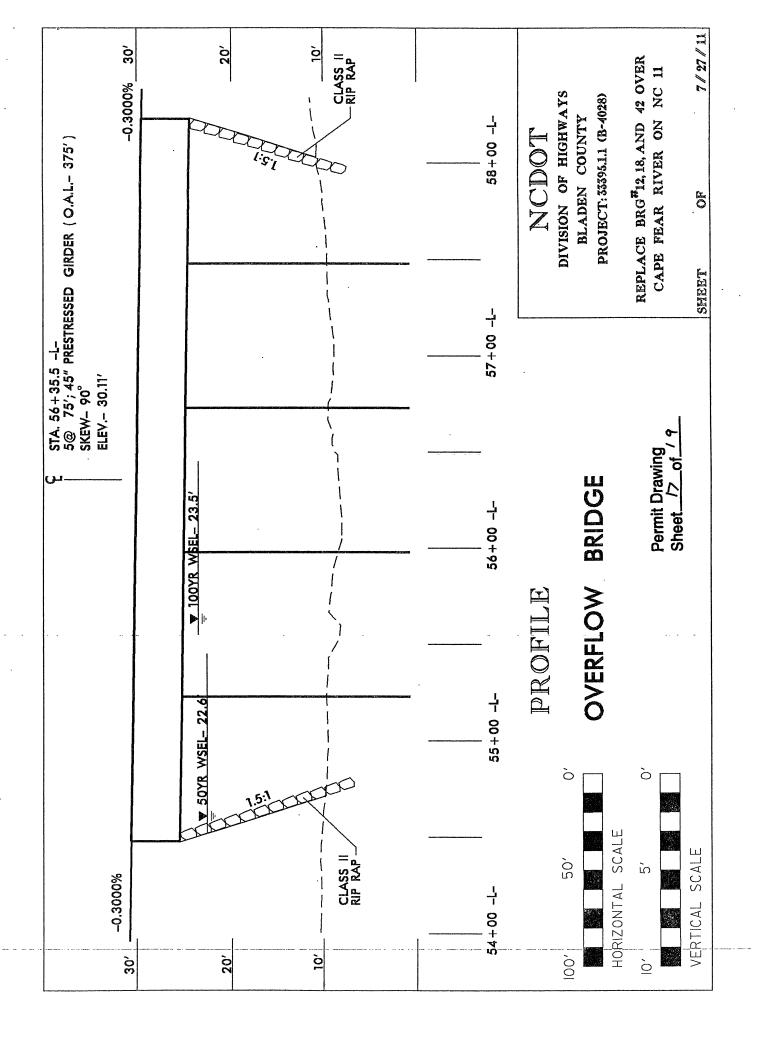
DRAWN BY: S.B.WILLIAMS DATE: 8/11
CHECKED BY: DATE:

+

30-AUG-2011 08:06 Rt\Structures\STR3\Gen\_draw\B-4028\_SD\_TA.dgn sbwilloms







# PROPERTY OWNERS

NAMES AND ADDRESSES

PARCEL NO.

NAMES

**ADDRESSES** 

 $2\mathbf{Z}$ 

CORBETT INDUSTRIES INC

P.O. BOX 210 WILMINGTON, N.C. 28402

**Permit Drawing** Sheet\_18\_of\_19 NCDOT

DIVISION OF HIGHWAYS BLADEN COUNTY

PROJECT: 33395.1.1 (B-4028)

REPLACE BRG#12,18, AND 42 OVER CAPE FEAR RIVER ON NC 11

SHEET

OF

8/4/11

	PACTS	Existing	Channel Natural		(ff) (ff)														
	SURFACE WATER IMPACTS	Existing	Channel	-															
\r	SURFACE		Temp.																
ACT SUMMA			Permanent	impacts	(ac)	1.73													1.73
SMIT IMP		Hand	Clearing	Watlands	(ac)	0.27			0.58										0.85
WETLAND PERMIT IMPACT SUMMARY	CTS		Excavation Mechanized	Clearing in Watlands	(ac)	0.23													0.23
>	LAND IMPA		Excavation	II VVO+CVV	(ac)														
	WET		Temp.	Fill In	(ac)				,										
			Permanent	Fill In	wettands (ac)	0.89													0.89
			,	Structure	Size / Iype	(1236' Bridge)	(375' Bridge)	(375' Bridge)	Work Bridges										
				Station	(From/10)	22+65-L- to 69+00-L-													
				Site	o Z					-									TOTALS

Permit Drawing Sheet 19 of 19

NC DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

BLADEN COUNTY WBS - 33395.1.1 (B-4028)

10/6/2011

# **B-4028 NEU Narrative**

### **Utility Owners:**

• Power: Four County EMC – (contact: Edward Pope 910-259-1854)

• **Telephone:** AT&T (contact: Shannon Coston 910-341-1623)

• Telecommunications: BTI (contact: Scott Powell 919-600-4934)

## **General Utility Relocation:**

All utility lines inside the project limits will be adjusted as necessary or relocated away from construction. The power, telephone and telecommunications will be relocated prior to the letting.

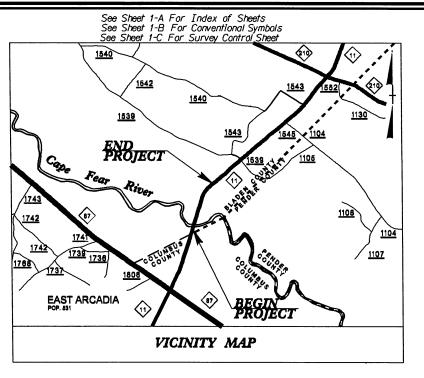
#### **Existing Utilities:**

- **Power:** the existing Four County EMC aerial power transmission pole lines run along northwest side of NC 11.
- **Telephone:** the existing AT &T Telephone lines (fiber optic and copper cables) are underground and aerial along northwest side of NC 11.
- **Telecommunications:** the existing BTI Telecommunications fiber optic lines are underground along southeast side of NC 11.

#### **Proposed Utility Relocation:**

- **Power:** Four County EMC will abandon all aerial power transmission pole lines after a new aerial power transmission pole line is installed along the proposed R/W line on the northwest side of NC 11 then crosses Line –L- at Sta. 67+53 and continues on the south east side of NC 11 to the end of the project.
- **Telephone:** AT&T will abandon all aerial and underground facilities and install new fiber optic cables on the west side of NC 11. The proposed underground conduits will be installed by directional bore across the Cape Fear River and wetlands.
- **Telecommunications:** BTI will abandon all underground facilities and install new fiber optic cables with AT&T on the west side of NC 11. The proposed underground conduits will be installed by directional bore across the Cape Fear River and wetlands.

•



STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

# **BLADEN COUNTY**

LOCATION: BRIDGE NOS. 12, 18 AND 42 OVER CAPE FEAR RIVER AND OVERFLOW ON NC 11

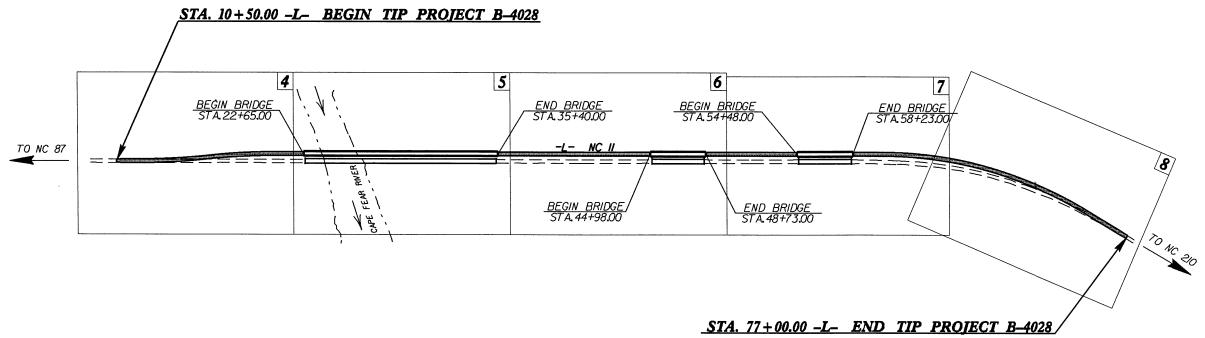
STATE	STA?	TE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS				
N.C.		B-4028	1					
STAT	B PROLING	F. A. PROL NO.	DESCRIPTION					
333	395.1.1	BRSTP-0011(9)	P.E.					
333	95.3.1	BRSTP-0011(9)	RW & UTIL.					

**Utility Permit Drawing** Sheet\_\_\_of\_7

TYPE OF WORK: RELOCATE AERIAL TRANSMISSION POWER POLE LINES AND U/G TELEPHONE FIBER OPTIC CABLES TO THE WEST

# **NEU UTILITIES RELOCATION** PERMIT PLANS 10 /18 /11



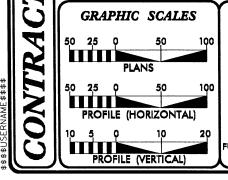


NOTE: THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

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

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA



**DESIGN DATA** ADT 2012 = 3663

ADT 2032 = 6478DHV = 11 %

> D = 55 % T = 34 % \*

V = 60 MPH\* TTST 28% DUAL 6% FUNC. CLASS=MAJOR COLLECTOR

REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-4028 = LENGTH STRUCTURES TIP PROJECT B-4028 = 0.384 MILES

TOTAL LENGTH TIP PROJECT B-4028

0.875 MILES

= 1.259 MILES

Prepared in the Office of: **DIVISION OF HIGHWAYS** 1000 Birch Ridge Dr., Raleigh NG, 27610 2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: BRENDA MOORE, P.E.

LETTING DATE:

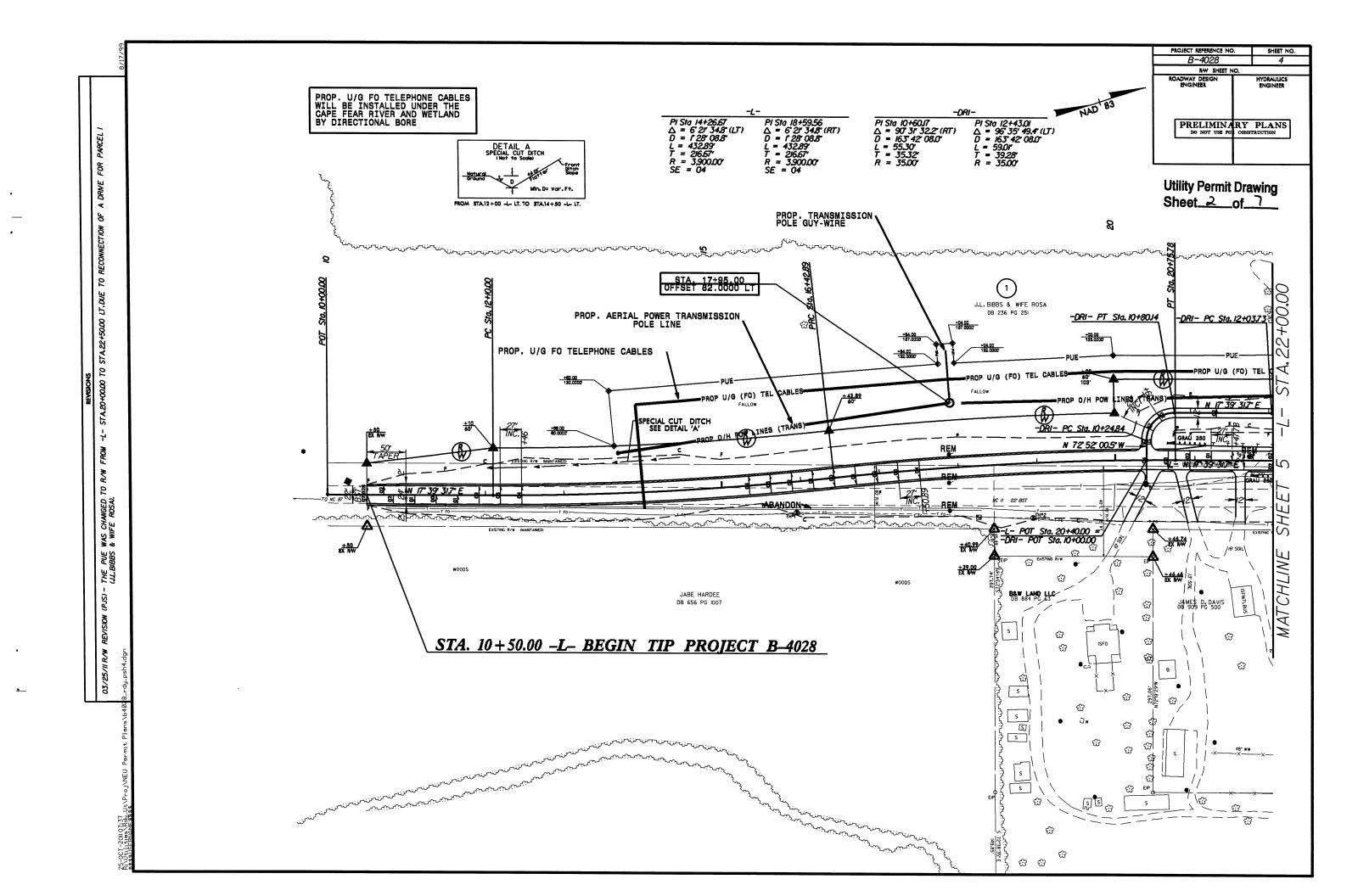
JOYCE DREW
PROJECT DESIGN ENGINEES AUGUST 21, 2012

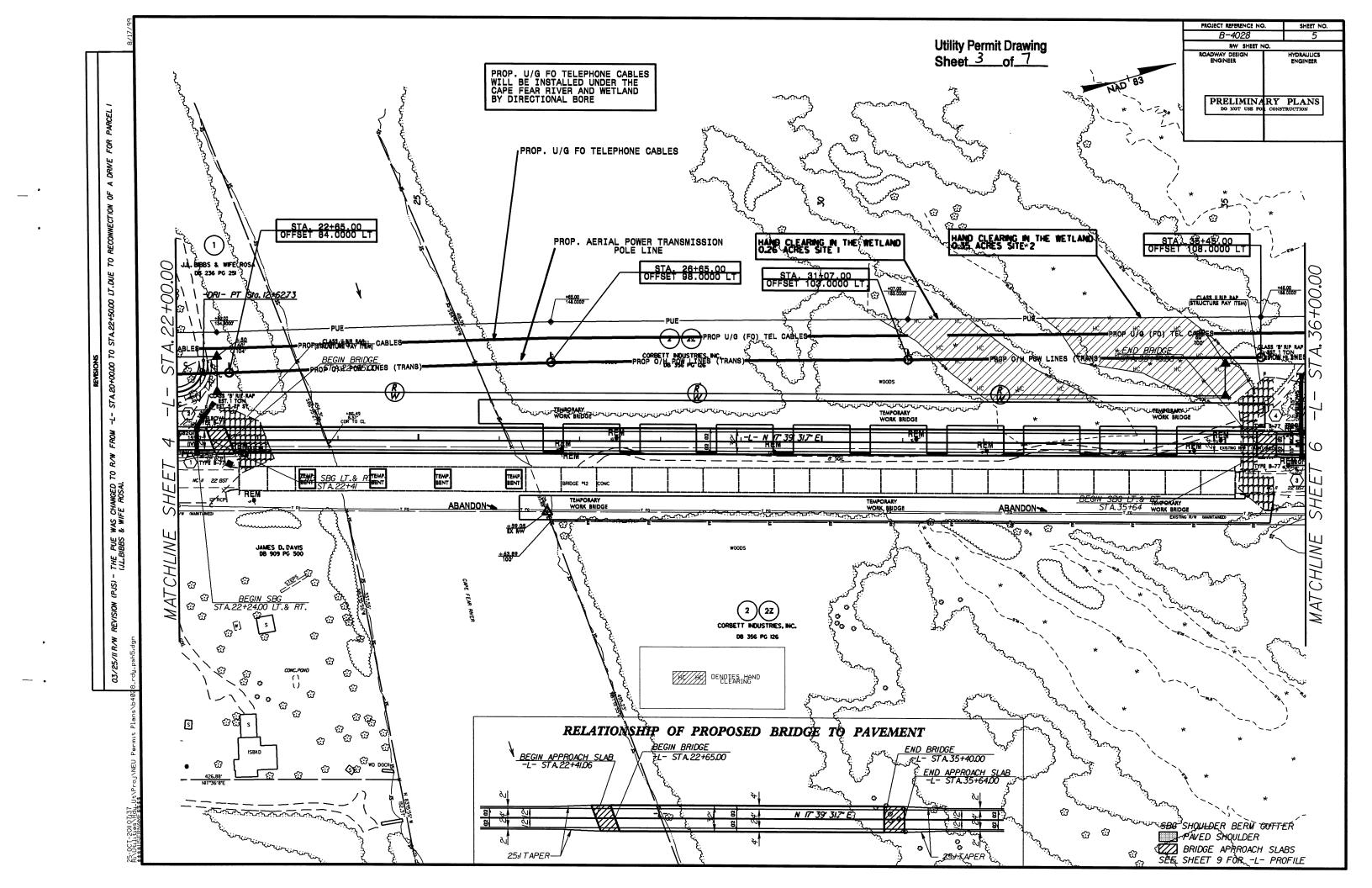
HYDRAULICS ENGINEER

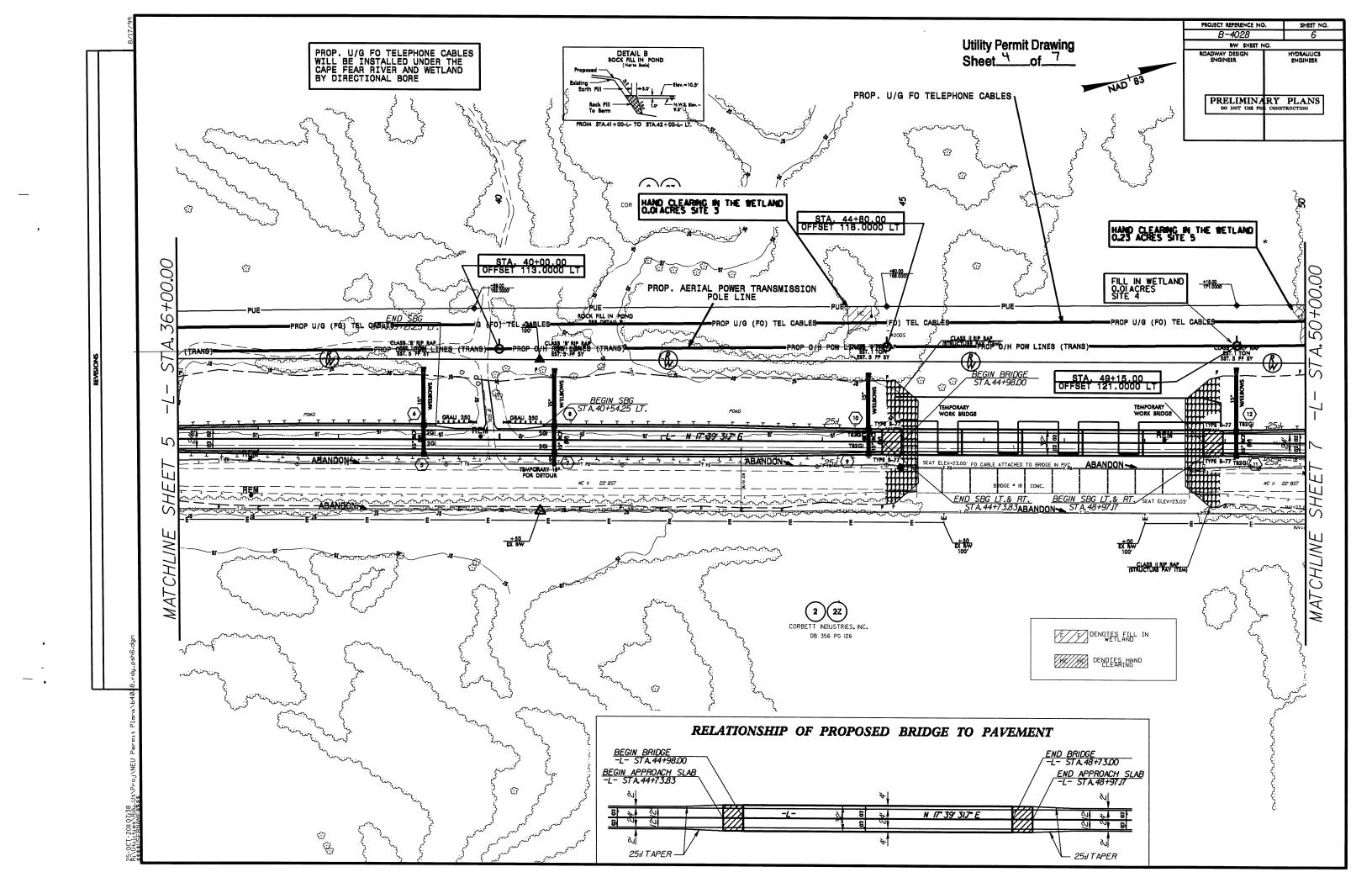
ROADWAY DESIGN **ENGINEER** 

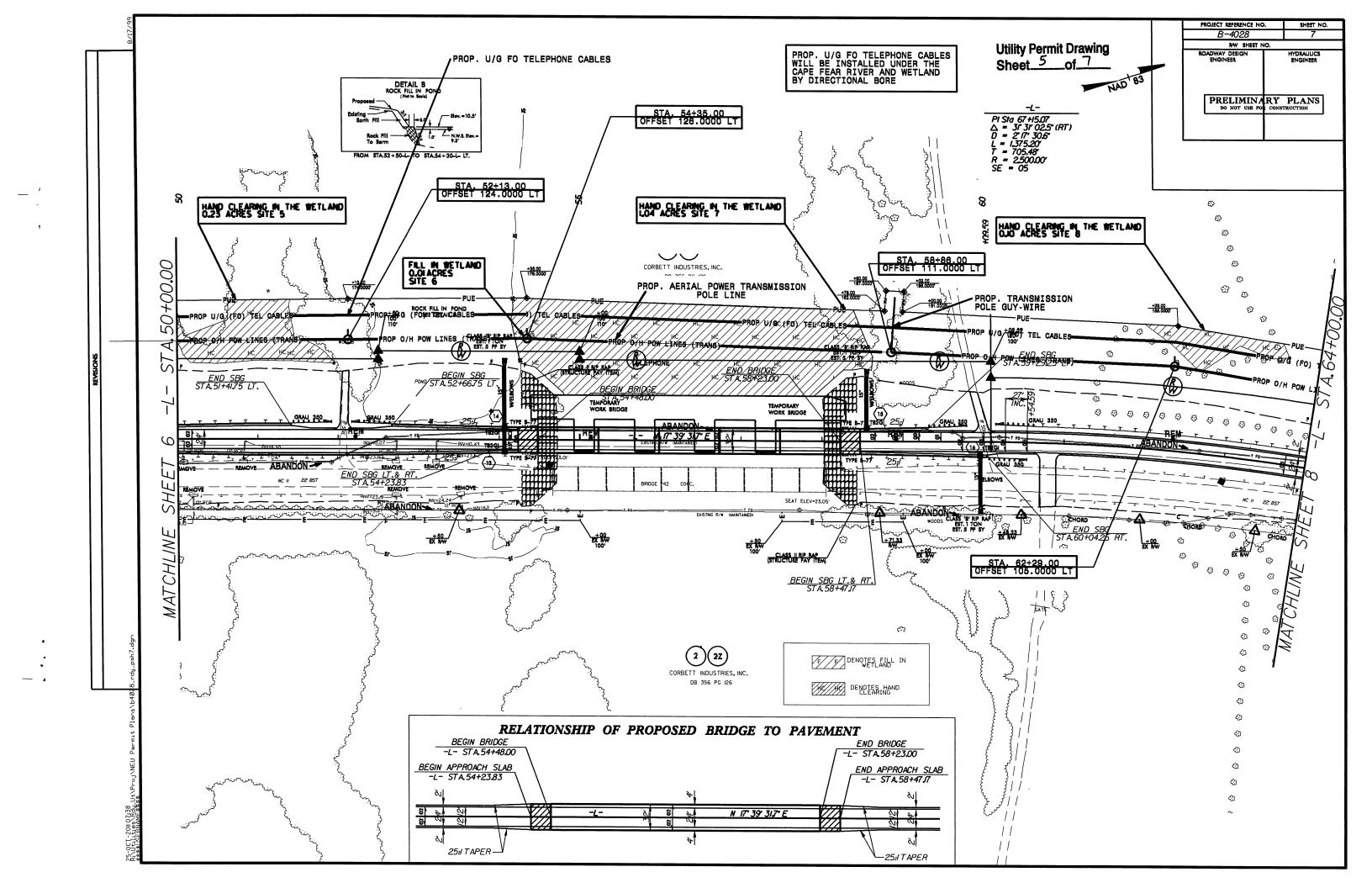
4028

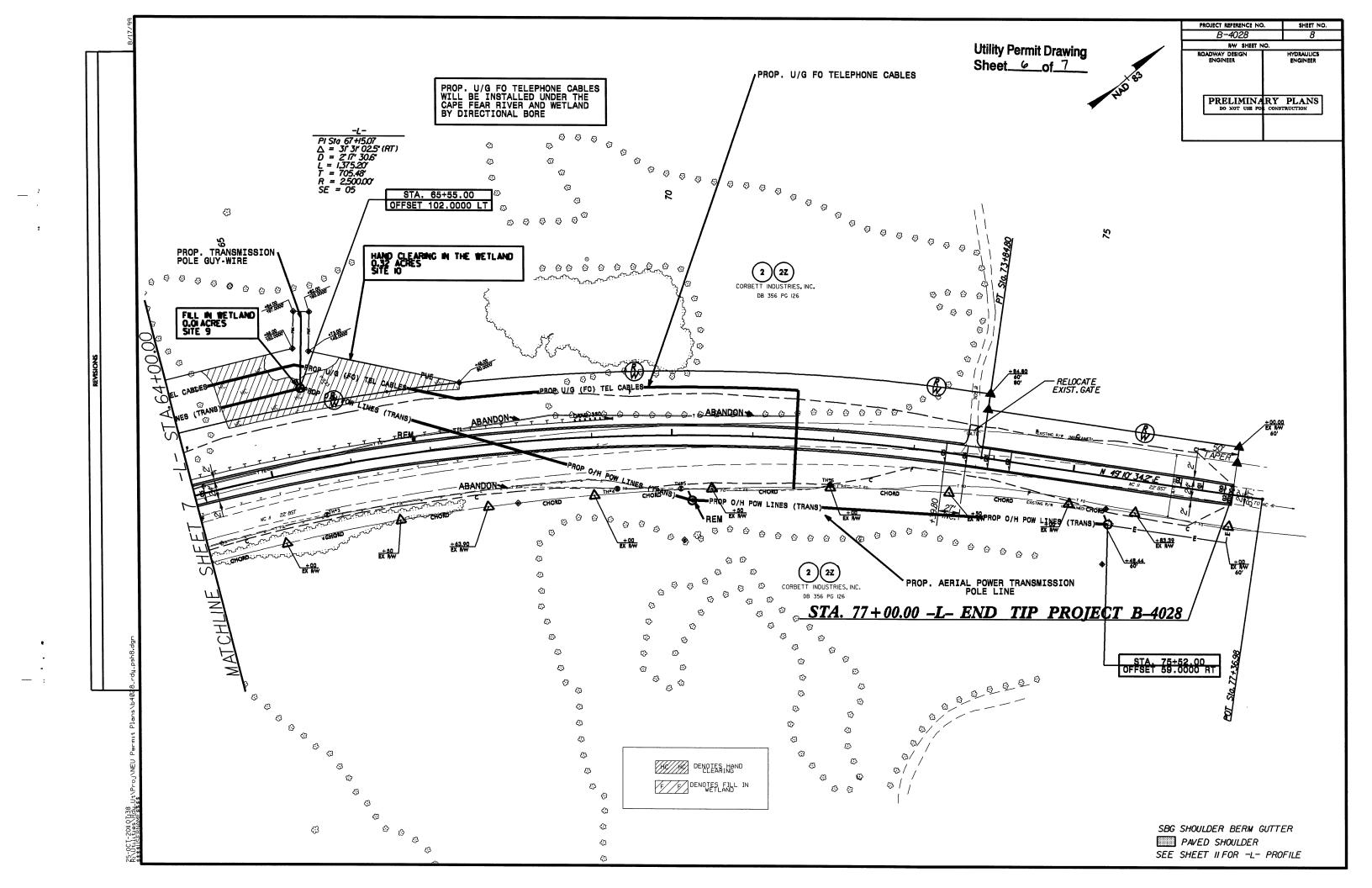
PRO











					NE NE	TLAND PER	MII IMPA	WETLAND PERMIT IMPACT SUMMARY	ARY		0+0	
				WET	WETLAND IMPACTS	CTS			SURFACE	SURFACE WATER IMPACTS	PACIS	
							Hand			Existing	Existing	
		,	Permanent	Temp.	Excavation	Excavation Mechanized	Clearing	Permanent	Temp.	Channel	Channel	Natural Stream
Site	Station	Structure	Ell In	FIII III	ul ul	Clearing in Wothendo	Mottonde	impacte	impacts	Permanent		Design
Š.	(From/To)	Size / Type	Wetlands (ac)	Wetlands (ac)	Wettands (ac)	in wettands (ac)	(ac)	(ac)	(ac)	(#)		(#)
-	30+72 to 33+40	Aerial Power Lines					0.26					
-	32+76 to 35+29	Aerial Power Lines					0.35					
၈	44+32 to 44+61	Aerial Power Lines					0.01					
4	49+15	Transmission Pole	€0.01									
5	49+84 to 51+95	Aerial Power Lines					0.23					
9	54+35	Transmission Pole	€ 0.01									
1,*	57+88 to 58+63	Aerial Power Lines					1.05					
8	61+88 to 63+63	Aerial Power Lines					0.10					
6	65+55	Transmission Pole	₹ 0.01									
10	64+44 to 67+45	Aerial Power Lines					0.32					
	-											
1												
TOTALS:	ï		10.0				2.32					

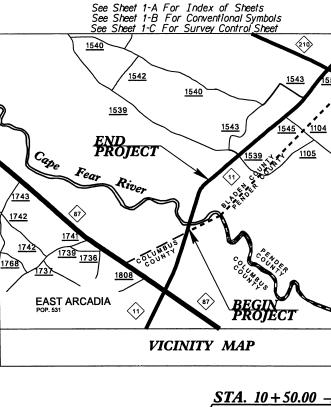
\* Wetland is mainly herbaceous.

Utility Permit Drawing Sheet 2 of 2

NC DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

BLADEN COUNTY WBS - 33395.1.1 (B-4028)

ATN Revised 3/31/05



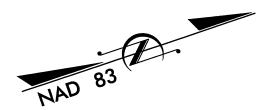
### STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

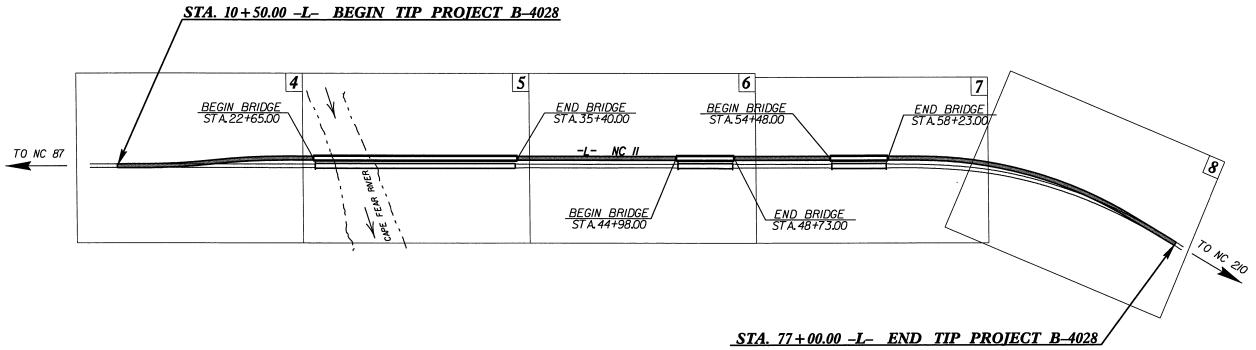
# **BLADEN COUNTY**

LOCATION: BRIDGE NOS. 12, 18 AND 42 OVER CAPE FEAR RIVER AND OVERFLOW ON NC 11

TYPE OF WORK: GRADING, DRAINAGE, PAVING, GUARDRAIL AND STRUCTURES

				110.	5110010
N.C.		B-4028		1	
STATE PROLNO.		F. A. PROL NO.		DESCRIP	TION
333	395.1.1	BRSTP-0011(9)		P.E	•
333	395.3.1	BRSTP-0011(9)	l i	₹W &	UTIL.
			1		





NOTE: THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

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

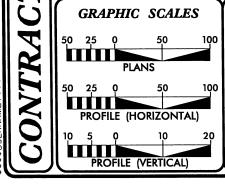
1108

1104

1107

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA



# DESIGN DATA

ADT 2012 = 3663ADT 2032 = 6478

DHV = 11 % D = 55 %T = 34 % \*

V = 60 MPH\* TTST 28% DUAL 6% FUNC. CLASS = MAJOR COLLECTOR **REGIONAL TIER** 

#### PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-4028 = 0.875 MILES LENGTH STRUCTURES TIP PROJECT B-4028 = 0.384 MILES TOTAL LENGTH TIP PROJECT B-4028 = 1.259 MILES

#### Prepared in the Office of: **DIVISION OF HIGHWAYS**

1000 Birch Ridge Dr., Raleigh NC, 27610

2006 STANDARD SPECIFICATIONS RIGHT OF WAY DATE: BRENDA MOORE, P.E. OCTOBER 22, 2010 LETTING DATE: **VACANT** AUGUST 21, 2012

### HYDRAULICS ENGINEER

ROADWAY DESIGN **ENGINEER** 

SIGNATURE:

4028

Ŕ

**PROJEC** 

OJECT REFERENCE NO.	SH
B-402B	

\*S.U.E. = Subsurface Utility Engineering

### CONVENITIONIAL DIANI CHEET CYMPOLC

BOUNDARIES AND PROPERTY:		CONVENTIONA		AIN SHEEL STME		WATER:	
State Line						Water Manhole	
County Line		RAILROADS:				Water Meter	
Township Line		Standard Gauge	CSX TRANSPORTATION	Orchard	6666	Water Valve	
City Line		RR Signal Milepost ————————————————————————————————————	⊙ MILEPOST 35	Vineyard	Vineyard	Water Hydrant	
Reservation Line		Switch	SWITCH	Villeyara	, , , , , , , , , , , , , , , , , , ,	Recorded U/G Water Line —————	
Property Line		RR Abandoned —————		EXISTING STRUCTURES:		Designated U/G Water Line (S.U.E.*)	
Existing Iron Pin		RR Dismantled —————		MAJOR:		Above Ground Water Line	A/G Water
Property Corner		RIGHT OF WAY:		Bridge, Tunnel or Box Culvert	CONC		
Property Monument	ĒC	Baseline Control Point	•	Bridge Wing Wall, Head Wall and End Wall –		TV:	
Parcel/Sequence Number —————		Existing Right of Way Marker	$\triangle$	MINOR:	) ····· (	TV Satellite Dish	- <b>&amp;</b>
Existing Fence Line		Existing Right of Way Line		Head and End Wall	CONC HW	TV Pedestal	- []
Proposed Woven Wire Fence	- <del></del>	Proposed Right of Way Line	<del></del>	Pipe Culvert		TV Tower	
Proposed Chain Link Fence		Proposed Right of Way Line with		Footbridge		U/G TV Cable Hand Hole	_
Proposed Barbed Wire Fence		Iron Pin and Cap Marker		-		Recorded U/G TV Cable	
Existing Wetland Boundary		Proposed Right of Way Line with Concrete or Granite Marker	<del></del>	Drainage Box: Catch Basin, DI or JB	СВ	Designated U/G TV Cable (S.U.E.*)	
Proposed Wetland Boundary			•	Paved Ditch Gutter		Recorded U/G Fiber Optic Cable	
Existing Endangered Animal Boundary		Existing Control of Access	(0)	Storm Sewer Manhole ————		Designated U/G Fiber Optic Cable (S.U.E.*)—	
Existing Endangered Plant Boundary		Proposed Control of Access —————	•	Storm Sewer	ss	Designated U.G. Fiber Optic Cable (5.0.E.)	
Known Soil Contamination: Area or Site —		Existing Easement Line	_			GAS:	
Potential Soil Contamination: Area or Site —		Proposed Temporary Construction Easement –		UTILITIES:		Gas Valve	•
		Proposed Temporary Drainage Easement ——		POWER:		Gas Valve	
BUILDINGS AND OTHER CULT		Proposed Permanent Drainage Easement ——	PDE	Existing Power Pole —————	•		•
Gas Pump Vent or U/G Tank Cap		Proposed Permanent Drainage / Utility Easemen	ntDUE	Proposed Power Pole	6	Recorded U/G Gas Line	
Sign	=	Proposed Permanent Utility Easement ———	PUE	Existing Joint Use Pole	-	Designated U/G Gas Line (S.U.E.*)	
Well		Proposed Temporary Utility Easement ———	TUE	Proposed Joint Use Pole	<b>-</b>	Above Ground Gas Line	A/G Gas
Small Mine		Proposed Aerial Utility Easement ————	AUE	Power Manhole	<b>®</b>		
Foundation ————————————————————————————————————		Proposed Permanent Easement with	•	Power Line Tower	$\boxtimes$	SANITARY SEWER:	
Area Outline		Iron Pin and Cap Marker	<b></b>	Power Transformer	Ø	Sanitary Sewer Manhole	- 📵
Cemetery	_ <u> </u>	ROADS AND RELATED FEATUR	ES:	U/G Power Cable Hand Hole		Sanitary Sewer Cleanout ———————	-
Building —		Existing Edge of Pavement		H-Frame Pole	•—•	U/G Sanitary Sewer Line —————	
School		Existing Curb		Recorded U/G Power Line	p	Above Ground Sanitary Sewer ————	- A/G Sanitary Sec
Church	- <u>选</u>	Proposed Slope Stakes Cut —————	<u>c</u>	Designated U/G Power Line (S.U.E.*)		Recorded SS Forced Main Line	FSS
Dam		Proposed Slope Stakes Fill —————		besignated do rower line (3.0.L.)	·	Designated SS Forced Main Line (S.U.E.*) —	
		Proposed Curb Ramp ————		TELEPHONE:			
HYDROLOGY:		Curb Cut Future Ramp	(CFR)		_	MISCELLANEOUS:	
Stream or Body of Water —————		Existing Metal Guardrail		Existing Telephone Pole		Utility Pole —	-
Hydro, Pool or Reservoir —————		Proposed Guardrail	<u> </u>	Proposed Telephone Pole		Utility Pole with Base —	
Jurisdictional Stream		Existing Cable Guiderail		Telephone Manhole		Utility Located Object —	
Buffer Zone 1				Telephone Booth		Utility Traffic Signal Box ———————————————————————————————————	
Buffer Zone 2		Proposed Cable Guiderail		Telephone Pedestal ————————————————————————————————————		Utility Unknown U/G Line —————	
Flow Arrow		Equality Symbol	•	Telephone Cell Tower		U/G Tank; Water, Gas, Oil —————	
Disappearing Stream ————————————————————————————————————		Pavement Removal		U/G Telephone Cable Hand Hole			L
Spring —		VEGETATION:		Recorded U/G Telephone Cable		Underground Storage Tank, Approx. Loc. —	
Wetland	<b>– 4</b>	Single Tree		Designated U/G Telephone Cable (S.U.E.*)—		A/G Tank; Water, Gas, Oil ———————————————————————————————————	
Proposed Lateral, Tail, Head Ditch		Single Shrub		Recorded U/G Telephone Conduit	тс	Geoenvironmental Boring ————————————————————————————————————	•
False Sump	- 🗬	Hedge ————		Designated U/G Telephone Conduit (S.U.E.*)		U/G Test Hole (S.U.E.*) —————	_
	-	Woods Line	المنابحانحانحانحا			Abandoned According to Utility Records —	
				Designated U/G Fiber Optics Cable (S.U.E.*)		End of Information ———————	– E.O.I.

