

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PAT L. MCCRORY GOVERNOR ANTHONY J. TATA Secretary

January 24, 2014

Wilmington Regulatory Field Office US Army Corps of Engineers 69 Darlington Avenue Wilmington, North Carolina 28403

ATTN: Ms. Liz Hair NCDOT Coordinator

Dear Madam:

Subject: Application for a Section 404 Nationwide Permit 23 and Section 401 Water Quality Certification for the proposed replacement of Bridge No. 17 over Lake Creek on NC 210 in Bladen Co. TIP No. B-5117; Federal Aid Project No. BRSTP-0210 (19); Debit \$240 from WBS No. 42258.1.1

The North Carolina Department of Transportation (NCDOT) proposes to replace the 69-foot, 4span Bridge No. 4 with a 105-foot, 3-span bridge on a new alignment east of the existing. Traffic will remain on-site during construction. Permanent impacts to jurisdictional resources include 0.15 acre of wetland fill, 0.06 acre of excavation, and 48 feet of stream impacts (36 feet due to pipe installation and 12 feet of bank stabilization).

Please see enclosed copies of the Pre-Construction Notification (PCN), Preliminary Jurisdictional Determination Form, EEP Acceptance Letter, permit drawings, stormwater management plan, and roadway plans for the above referenced project. The Categorical Exclusion (CE) was completed in February 2012 and distributed shortly thereafter.

This project calls for a letting date of August 19, 2014 and a review date of July 1, 2014. The project schedule may be advanced if funding becomes available.

Regulatory Approvals

<u>Section 404 Permit</u>: All aspects of this project are being processed by the Federal Highway Administration as a "Categorical Exclusion" in accordance with 23 CFR 771.115(b). The NCDOT requests that the project be authorized by NW 23 for bridge construction.

<u>Section 401 Permit</u>: 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 Resources. We are providing two copies of this application to the NCDWR for their approval.

A copy of this permit application and its distribution list will be posted on the NCDOT Website at <u>https://connect.ncdot.gov/resources/Environmental/Pages/default.aspx</u>, under *Quick Links* > *Permit Applications*. A copy of the CE is also available at the above website address under *Quick Links* > *Environmental Documents*. Thank you for your assistance with this project. If you have any questions or need additional information, please contact Tyler Stanton at tstanton@ncdot.gov or (919) 707-6156.

Sincerely,

- m

Richard W Hancock, P.E., 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							
Α.	Applicant Information							
1.	Processing							
1a.	Type(s) of approval sought from Corps:	the	Section 404 Permit Secti	on 10 Permit				
1b.	Specify Nationwide Permit (NWP) number: 2	23 or General Permit (G	P) number:				
1c.	Has the NWP or GP number bee	en verified b	by the Corps?	Yes	🛛 No			
1d.	Type(s) of approval sought from	the DWQ (check all that apply):					
	A01 Water Quality Certificatio	on – Regula	r 🗌 Non-404 Jurisdictiona	al General Permi	t			
	401 Water Quality Certificatio	on – Expres	s 🗌 Riparian Buffer Autho	orization				
1e.	Is this notification solely for the rebecause written approval is not r		For the record only for DWQ 401 Certification:	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.							
1g.	g. Is the project located in any of NC's twenty coastal counties. If yes, answer 1h Selow.							
1h.	Is the project located within a NC	DCM Area	of Environmental Concern (AEC)?	Yes	🖾 No			
2.	Project Information							
2a.	Name of project:	Replacem	nent of Bridge No. 17 over Lake Cree	k on NC 210				
2b.	County:	Bladen Co	0.					
2c.	Nearest municipality / town:	Ivanhoe						
_	Subdivision name:	not applic	able					
2e.	NCDOT only, T.I.P. or state project no:	B-5117						
3.	Owner Information	T						
За.	Name(s) on Recorded Deed:	North Car	olina Department of Transportation					
	Deed Book and Page No.	not applic	able					
3c.	Responsible Party (for LLC if applicable):	^{if} not applicable						
3d.	Street address:	1598 Mail Service Center						
3e.	City, state, zip:	Raleigh, N	NC 27699-1598					
3f.	Telephone no.:	(919) 707	-6156					
3g.	Fax no.:	(919) 250	-4224					
3h.	Email address:	tstanton@	Incdot.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:				

В.	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: 34.8501 Longitude: - 78.5131 (DD.DDDDDD) (-DD.DDDDDD)				
1c.	Property size:	6.06 acres				
2.	Surface Waters					
2a.	Name of nearest body of water (stream, river, etc.) to proposed project:	Lake Creek				
2b.	Water Quality Classification of nearest receiving water:	C;Sw				
2c.	River basin:	Cape Fear				
3.	Project Description					
За.	a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application: Existing conditions at the site include maintained/disturbed roadside shoulder and forested areas. Land use in the project vicinity is predominantly forested with some agriculture, and light residential development.					
3b.	List the total estimated acreage of all existing wetlands on the	property: 0.60				
3c.	List the total estimated linear feet of all existing streams (interm	ittent and perennial) on the property: 197				
3d.	Explain the purpose of the proposed project: To replace a stru	cturally deficient and functionally obsolete bridge				
3e.	Describe the overall project in detail, including the type of equi The project involves replacing a 69-foot, 4-span bridge with a existing. Traffic will remain on-site during construction. Standa cranes will be used.	105-foot, 3-span bridge on a new alignment, east of the				
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:	🛛 Yes 🗌 No 📄 Unknown				
4b.	If the Corps made the jurisdictional determination, what type of determination was made?	Preliminary D Final				
4c.	If yes, who delineated the jurisdictional areas? Name (if known): Tyler Stanton	Agency/Consultant Company: NCDOT Other:				
4d.	If yes, list the dates of the Corps jurisdictional determinations of November 20, 2013	or State determinations and attach documentation.				
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.					
6.	Future Project Plans					
6a.	Is this a phased project?	🗌 Yes 🛛 No				
6b.	If yes, explain.					

C. Proposed Imp	acts Inventory					
1. Impacts Summ	ary					
1a. Which sections	were completed b	elow for your project (check all that a	apply):		
🛛 Wetlands	\boxtimes s	Streams - tributaries	🗌 Bu	Iffers		
Open Waters	s 🗌 F	Pond Construction				
2. Wetland Impac		on the cite then com	nlata thia augor	tion for each watland		4
li there are wetland	2b.	2c.	2d.	tion for each wetland a	area impacteo	2f.
Wetland impact number – Permanent (P) or Temporary (T)	Type of impact	Type of wetland (if known)	Forested	Type of jurisd (Corps - 404 DWQ – non-404	, 10	Area of impact (acres)
Site 1 🛛 P 🗌 T	Fill	Riverine	⊠ Yes □ No	Corps		< 0.01
Site 2 🛛 P 🗌 T	Fill	Riverine	⊠ Yes □ No	Corps		< 0.01
Site 2 🛛 P 🗌 T	Excavation	Riverine	⊠ Yes □ No	Corps		< 0.01
Site 3 🛛 P 🗌 T	Fill	Riverine	⊠ Yes □ No	Corps		0.15
Site 3 🛛 P 🗌 T	Excavation	Riverine	⊠ Yes □ No	Corps		0.06
						_
				2g. Total wetla	nd impacts	0.21 Permanent 0.00 Temporary
	ands in the hand c	learing areas for the		posed temporary impa rosion control measur		
3. Stream Impact	S					
If there are perennia question for all strea		eam impacts (includi	ng temporary ir	npacts) proposed on t	he site, then	complete this
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 4 🛛 P 🗌 T	Pipe	Ut to Lake Creek	⊠ PER □ INT	Corps	2	36
Site 4 🛛 P 🗌 T	Bank Stabilization	Ut to Lake Creek	⊠ PER □ INT	Corps	2	12
Site 4 🗌 P 🖾 T	Bank Stabilization	Ut to Lake Creek	⊠ PER □ INT	Corps	2	20
Site 4 🗌 P 🗌 T			PER	Corps		
			3h. T	otal stream and tribu	utary impacts	s 48 Perm 20 Temp
3i. Comments:						P

4. Open Water Impacts										
		ed impacts to lakes, dually list all open v				ries, sounds	s, the Atlantic	c Ocean,	or any other op	pen water of
4a.		4b.	4c.				4d.		4e.	
Open w impact nu		Name of waterbody		Type	e of impac	+	Waterbod	ly type	Area of im	pact (acres)
Permaner		(if applicable)		туре		L	Waterboo	iy type	Alea Ul III	ipact (acres)
Tempora										
	T [] י									
	т <u></u>									
	ΡΠΤ									
O3 🗌 F	Р□Т									
	4f. Total open water impacts X Permanent X Temporary									
4g. Comm	4g. Comments:									
5. Pond	5. Pond or Lake Construction									
		struction proposed,		nplete	the chart b	oelow.	1			1
5a.	5b.		5c.	ational	lmnaata (a		5d.		to (foot)	5e.
Pond ID	Pro	posed use or	vve	Wetland Impacts (acres)			Stream Impac		as (leet)	Upland (acres)
number	pur	pose of pond	Flood	ded	Filled	Excavat ed	Flooded	Filled	Excavated	Flooded
P1										
P2										
		5f. Total								
5g. Comm	ents:									
5h. Is a dam high hazard permit required?					es	🗌 No	lf yes, peri	mit ID no	:	
5i. Expec	ted pond	surface area (acre	s):							
5j. Size c	of pond w	atershed (acres):								
5k. Metho	d of cons	struction:								

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.			☐ Neuse	Tar-Pamlico	Other:			
Project is in which	protected basin?		Catawba	Randleman				
6b. Buffor impost	6c.	6d.	6e.	6f.	6g.			
Buffer impact number – Permanent (P) or Temporary (T)	Reason for impact	Stream name	Buffer mitigation required?	Zone 1 impact (square feet)	Zone 2 impact (square feet)			
B1			Yes No					
B2 🗌 P 🗌 T			Yes No					
B3 🗌 P 🗌 T			Yes No					
		6h. Tota l	buffer impacts					
6i. Comments:								

D.	Impact Justification and Mitigation			
1.	Avoidance and Minimization			
1a.	Specifically describe measures taken to avoid or minimize	the proposed impacts i	n designing project.	
	The proposed bridge is 36 feet longer than the existing brid increasing bridge openings will improve hydrological conver- velocities.			
1b.	Specifically describe measures taken to avoid or minimize	the proposed impacts	hrough construction techniques.	
	Construction will be top-down. Best Management Practice Management Practices for Construction and Maintenance			
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:		
2b.	If yes, mitigation is required by (check all that apply):		rps	
2c.	 c. 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			
За.	Name of Mitigation Bank: not applicable			
3b.	Credits Purchased (attach receipt and letter)	Туре	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:	36 linear feet		
4c.	If using stream mitigation, stream temperature:	🛛 warm 🗌 co	ol 🗌 cold	
4d.	Buffer mitigation requested (DWQ only):	square feet		
4e.	Riparian wetland mitigation requested:	0.21 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 I	Plan		
5a.	If using a permittee responsible mitigation plan, provide a c	description of the propo	sed mitigation plan.	

6. Buffer I	6. Buffer Mitigation (State Regulated Riparian Buffer Rules) – required by DWQ								
	project result in an impact wit nitigation?	n buffer that requires	🗌 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	Zone 6c. 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. Comme	nts:								

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 not, 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, na See attached permit drawings and stormwater management plan.	arrative descriptic	on of the plan:				
2e. Who will be responsible for the review of the Stormwater Management Plan?		cal Government nwater Program Jnit				
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 Vater Supp Other:	bly Watershed				
3c. Has the approved Stormwater Management Plan with proof of approval been attached?	🗌 Yes	🗌 No				
4. DWQ Stormwater Program Review	1					
4a. Which of the following state-implemented stormwater management programs apply (check all that apply):	Coastal co HQW ORW Session La Other:	unties aw 2006-246				
4b. Has the approved Stormwater Management Plan with proof of approval been attached?	🗌 Yes	🗌 No N/A				
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.)	⊠ Yes	□ No
	Comments:		
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	of the violation(s):	
3.	Cumulative Impacts (DWQ Requirement)		
За.	Will this project (based on past and reasonably anticipated future impacts) result in	🗌 Yes	
	additional development, which could impact nearby downstream water quality?	🖾 No	
3b.	If you answered "yes" to the above, submit a qualitative or quantitative cumulative imp most recent DWQ policy. If you answered "no," provide a short narrative description.	oact analysis in a	ccordance with the
	Due to the minimal transportation impact resulting from this bridge replacement, this pland uses nor stimulate growth. Therefore, a detailed indirect or cumulative effects st		
4.	Sewage Disposal (DWQ Requirement)		
4a.	Clearly detail the ultimate treatment methods and disposition (non-discharge or discharge or discharge project, or available capacity of the subject facility.	arge) of wastewat	er generated from

5. Endangered Species and Designa	ted Critical Habitat (Corps Requiremen	t)	
5a. Will this project occur in or near an a habitat?	rea with federally protected species or	🗋 Yes	No No
5b. Have you checked with the USFWS impacts?	Have you checked with the USFWS concerning Endangered Species Act impacts?		
5c. If yes, ind icate the USFWS Field Off	ice you have contacted.	RaleighAsheville	
5d. What data sources did you use to de Habitat?	etermine whether your site would impact E	ndangered Species o	r Designated Critical
NCNHP, USFWS website, field surv	eys		
6. Essential Fish Habitat (Corps Req	uirement)		
6a. Will this project occur in or near an a	rea designated as essential fish habitat?	🗋 Yes	⊠ No
6b. What data sources did you use to de NMFS County Index	etermine whether your site would impact E	ssential Fish Habitat?	,
7. Historic or Prehistoric Cultural Re	sources (Corps Requirement)		
7a. Will this project occur in or near an a governments have designated as ha status (e.g., National Historic Trust o North Carolina history and archaeology)	wing historic or cultural preservation lesignation or properties significant in	🗌 Yes	⊠ No
7b. What data sources did you use to de	etermine whether your site would impact h	istoric or archeologica	al resources?
NEPA Documentation			
8. Flood Zone Designation (Corps Rec	quirement)		
8a. Will this project occur in a FEMA-des	ignated 100-year floodplain?	🛛 Yes	□ No
8b. If yes, explain how project meets FEI	MA requirements: NCDOT Hydraulics Unit	coordination with FE	MA
8c. What source(s) did you use to make	the floodplain determination? FEMA Maps	;	
<u>Richard W. Hancock, P.E.</u> Applicant/Agent's Printed Name	Applicant/Agent's Sig (Agent's signature is valid only if an authorize is provided.)		Date



December 19, 2013

Mr. Richard W. Hancock, P.E. Project Development and Environmental Analysis Unit North Carolina Department of Transportation 1548 Mail Service Center Raleigh, North Carolina 27699-1548

Dear Mr. Hancock:

Subject: EEP Mitigation Acceptance Letter:

B-5117, Replace Bridge Number 17 over Lake Creek on NC 210, Bladen County

The purpose of this letter is to notify you that the Ecosystem Enhancement Program (EEP) will provide the compensatory stream and riparian wetland mitigation for the subject project. Based on the information supplied by you on December 17, 2013, the impacts are located in CU 03030006 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.)		
03030006 SICP	Cold	Cool	Warm	Riparian	Non- Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	36.0	0.21	0	0	0	0

*Some of the stream and wetland impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details.

This impact and associated mitigation need were under projected by the NCDOT in the 2013 impact data. EEP will commit to implement sufficient compensatory stream and riparian wetland mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies using the delivery timeline listed in Section F.3.c.iii of 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 919-707-8420.

Sincerely,

James B. Stanfill EEP Asset Management Supervisor

cc: Mr. Ronnie Smith, USACE – Wilmington Regulatory Field Office Mr. Mason Herndon, Division of Water Quality, Fayetteville Office File: B-5117

Restoring ... Enhancing ... Protecting Our State



North Carolina Ecosystem Enhancement Program, 1652 Mail Service Center, Raleigh, NC 27699-1652 / 919-707-8976 / http://portal.ncdenr.org/web/eep

U.S. ARMY CORPS OF ENGINEERS

WILMINGTON DISTRICT

Action Id. SAW-2013-02241

County: Bladen

U.S.G.S. Quad: Rowan

NOTIFICATION OF JURISDICTIONAL DETERMINATION

Property Owner/Agent:	Mr. Tyler Stanton
	NCDOT
Address:	1598 Mail Service Center
	Raleigh, North Carolina 27699
Telephone No.:	

i erepriore i torr

 Property description:
 Nearest Value
 White Lake

 Size (acres)
 ~7_
 Nearest Town
 White Lake

 Nearest Waterway
 Lake Creek
 River Basin
 Cape Fear

 USGS HUC
 03030006
 Coordinates
 N 34.589458 W -78.297734

 Location description:
 B-5117. The project area is located at Bridge Number 47 over the Lake Creek along NC 210,

 southeast of White Lake, Bladen County. North Carolina.

Indicate Which of the Following Apply:

A. Preliminary Determination

X Based on preliminary information, there may be waters of the U.S. including wetlands on 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).

B. Approved Determination

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 U.S. including wetlands on 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.

_ We strongly suggest you have the wetlands on your property delineated. Due to the size of your property and/or our present workload, the Corps may not be able to accomplish this wetland delineation in a timely manner. For a more timely delineation, you may wish to obtain a consultant. To be considered final, any delineation must be verified by the Corps.

_ The waters of the U.S. including wetland on your project area have been delineated and the delineation has been verified by the Corps.

_ The waters of the U.S. including wetlands have been delineated and surveyed and are accurately depicted on the plat signed by the Corps Regulatory Official identified below on September 29, 2010. 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 no waters of the U.S., to include wetlands, present on the above described project area which are subject to the permit requirements of Section 404 of the Clean Water Act (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 property is located in one of the 20 Coastal Counties subject to regulation under the Coastal Area Management Act (CAMA). You should contact the Division of Coastal Management in Wilmington, NC at (910) 796-7215 to determine their requirements.

Placement of dredged or fill material within waters of the US and/or wetlands without a Department of the Army permit may constitute a violation of Section 301 of the Clean Water Act (33 USC § 1311). If you have any questions regarding this determination and/or the Corps regulatory program, please contact **Ronnie Smith** at **910-251-4829**.

C. Basis For Determination

<u>The site exhibits wetland criteria as described in the 1987 Corps Wetland Delineation Manual and appropriate regional</u> supplement. The water bodies exhibit ordinary high water marks as indicated by the absence of vegetation in the stream channel and the presence of wrack lines and bed and banks.

D. Remarks

The review area has been revised and extended to the north to include the waterbody labeled UT to Lake Creek. The review area is shown on the attached map (Figure 3).

E. Attention USDA Program Participants

This delineation/determination has been conducted to identify the limits of Corps' Clean Water Act jurisdiction for the particular site identified in this request. The delineation/determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985. If you or your tenant are USDA Program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service, prior to starting work.

F. Appeals Information (This information applies only to approved jurisdictional determinations as indicated in **B.** above)

This correspondence constitutes an approved jurisdictional determination for the above described site. If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR part 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: Ronnie Smith, Project Manager, Wilmington Regulatory Field Office 69 Darlington Ave Wilmington, North Carolina 28403

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 **January 19, 2014**.

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: <u>Ronnie</u>	SMITH.RONNIE.D	SMITH.RONNIE.DALE.1281725242 DN: c=US, o=U.S. Government,
	ALE.1281725242	ou=DoD, ou=PKI, ou=USA,
Data, Namenhan 20, 2012	ALE.1281/25242	cn=SMITH.RONNIE.DALE.1281725242
Date: November 20, 2013		Date: 2013.11.20 14:13:30 -05'00'

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://per2.nwp.usace.army.mil/survey.html to complete the survey online.

Copy Furnished: Chris Rivenbark-NCDOT NES (Electronic Only)

Highway - - -Stormwater

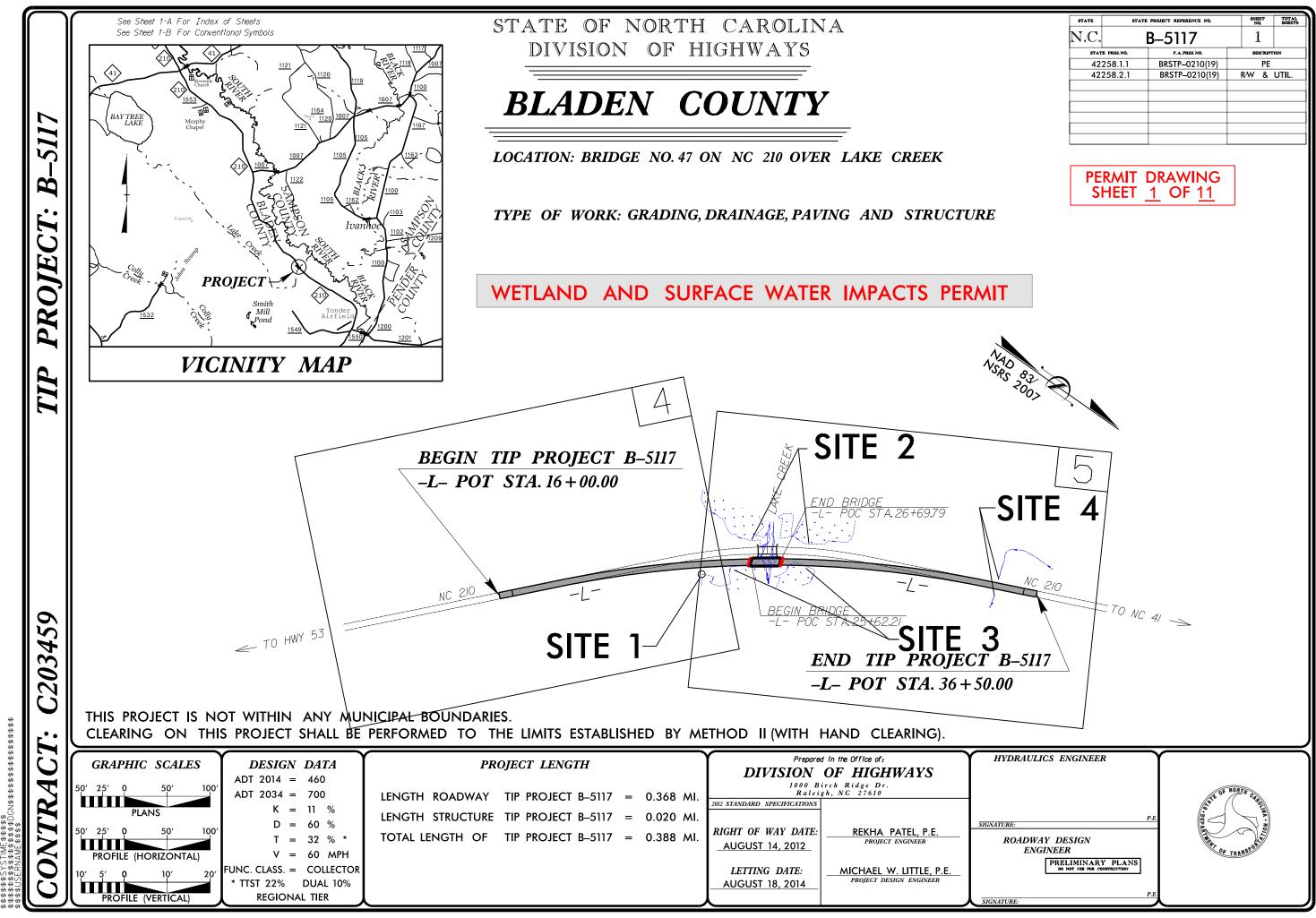
(Version 1.2; Released September 2011)

North Carolina Department of Transportation

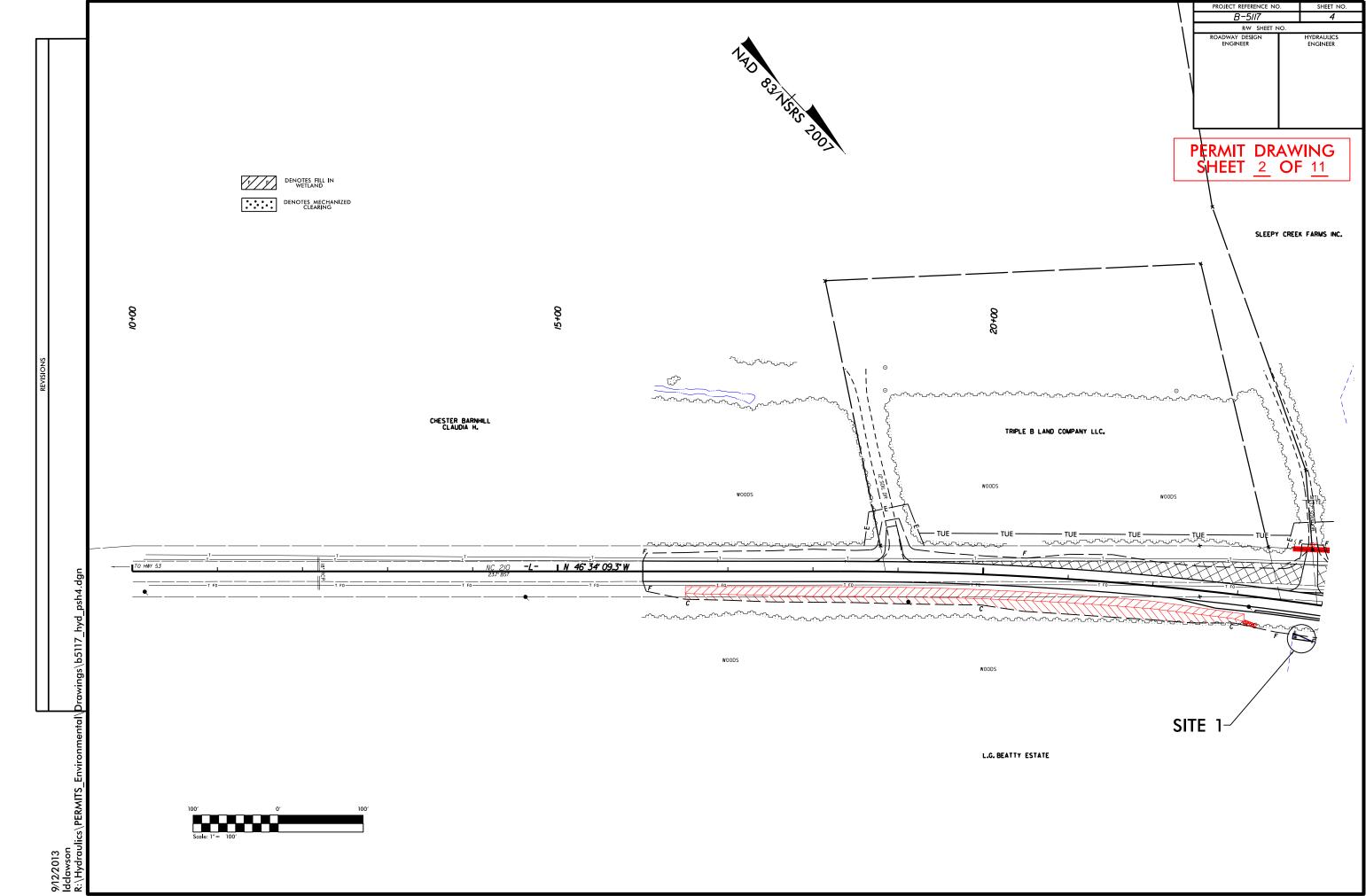
Highway Stormwater Program STORMWATER MANAGEMENT PLAN

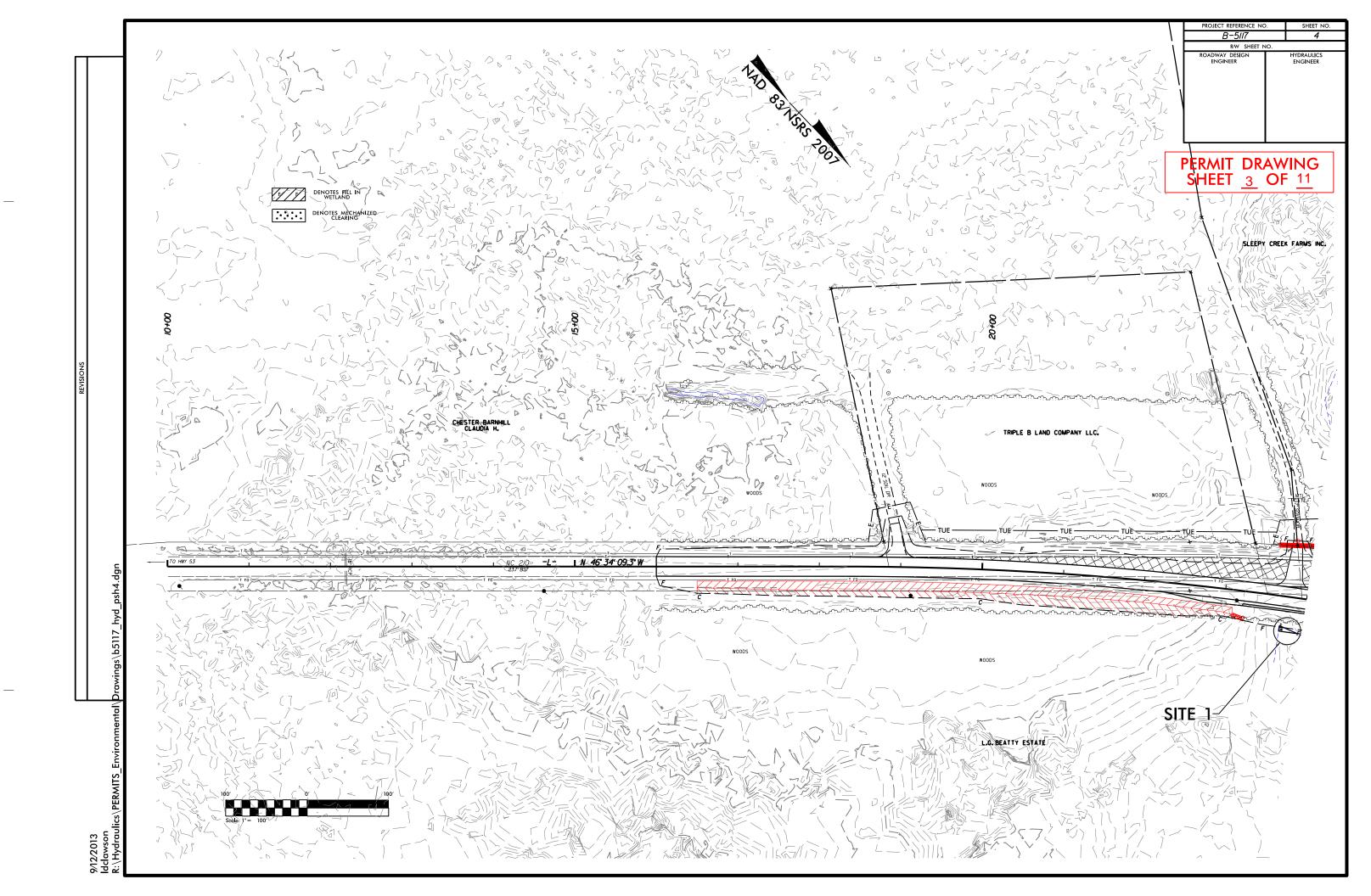
FOR LINEAR ROADWAY PROJECTS

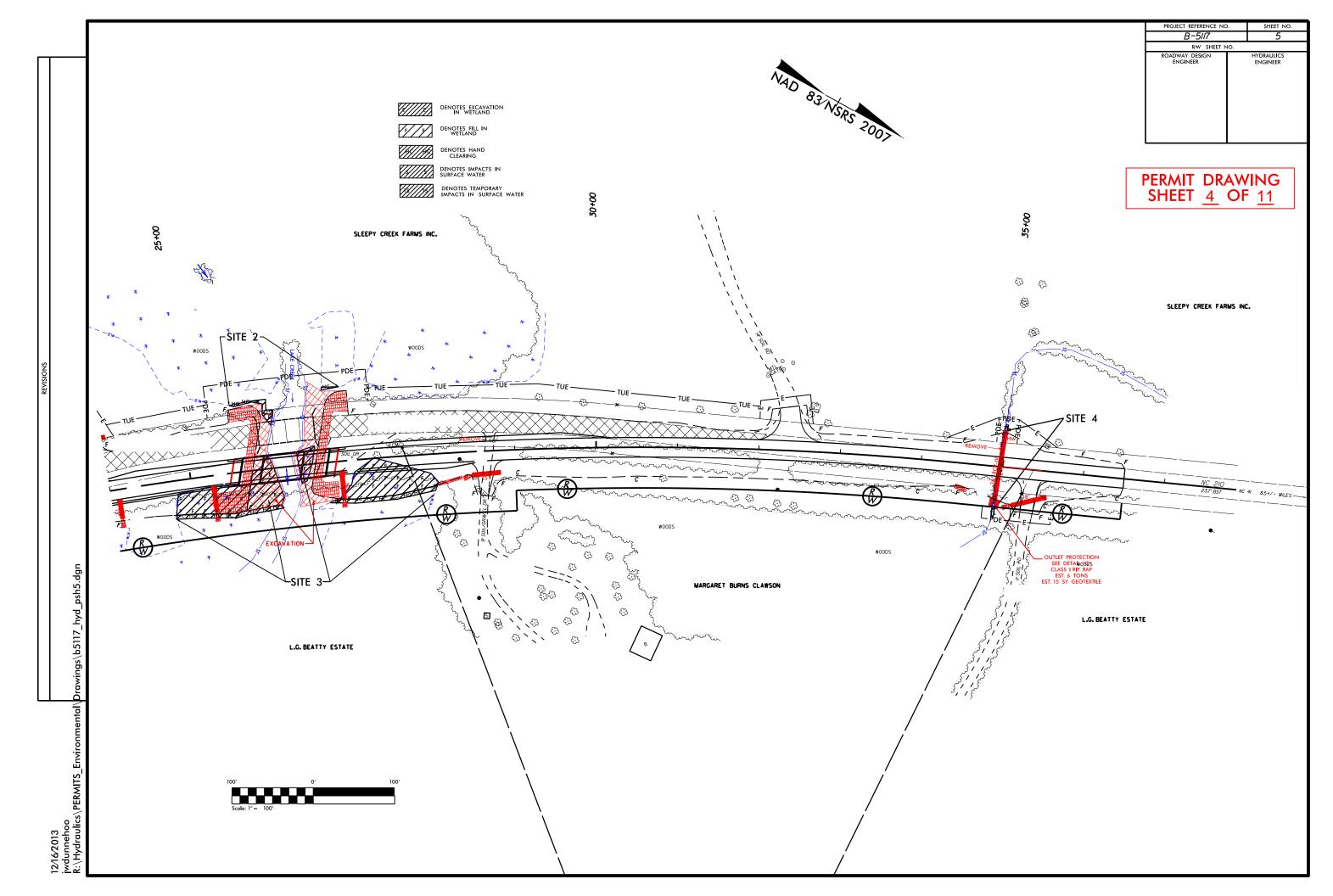
Project/TIP No.:	B-5117	County(ies):	Bladen					Pag	e 1	of	1
			General Project	ct Information							
Project No.:		B-5117		Project Type:	Bridge Replace	cement		Date:	9/12/2013		
NCDOT Contact:		Galen W. Cail		Contractor / Desig		Joe Dunnel					
	Address:	1020 Birch Ridge Drive			Address:	1020 Birch	Ridge Drive				
		Raleigh, NC 27610				Raleigh, NO	C 27610				
		919-707-6711			Phone:	919-707-67	717				
	Email:	gcail@ncdot.gov			Email:	jwdunneho	o@ncdot.gov		-		
City/Town:		Ivanhoe		County(ies):	Blac						
River Basin(s):		Cape Fear		CAMA County?	No						
Primary Receiving W	later:	Lake Creek	1	NCDWQ Stream In	dex No.:	18-68-12-1	8	-			
NCDWQ Surface Wa	ter Classification	for Primary Receiving Water	Primary:	Class							
		······································	Supplemental:	Swamp Wate	ers (Sw)						
Other Stream Classi	fication:	None									
303(d) Impairments:		None								L	
Buffer Rules in Effect	ct	N/A									
			Project De	escription				-			
Project Length (lin.	Viles or feet):	.388 Mi.	Surrounding Land Use:			Wooded	d and Agricultura				
			Proposed Project				Exis	ting Site			
Project Built-Upon A		1.28	ac.			1.16		ac.			
Typical Cross Section	-	Two - 12' Travel Lanes, 6' Grass S	shoulders, 3:1 Side Slopes		I wo - 10 ft. la	nes with 6 f	t. grass shoulde	rs			
Average Daily Traffic		Design/Future:	700 (2035)		Existing:			470 (2015			
General Project Narr	ative:	Replace bridge # 47 over Lake Cre @ 17'8", 1@ 16'11", 1@ 16'10", 10 in Lake Creek. Best Mgmt. Practices: - Promotion of sheet flow and infilt - Drainage systems oulet to rip rap - Removal of existing roadway fill u - 3:1 side slopes used in the wetlar - 4:1 front slopes and 3:1 back slop	2 17'8") total length of 69' will be ration with grassed shoulders exe pads under the bridge will improve brid nds.	replaced with a 1 @ cept where shoulder ge conveyance and r	25', 1@50', 1	@30' 21" co 2 GI in the r	red slab bridge. northeast and sc	The new bridg	e reduces the	number (span (1 of bents
			Refere	ences							

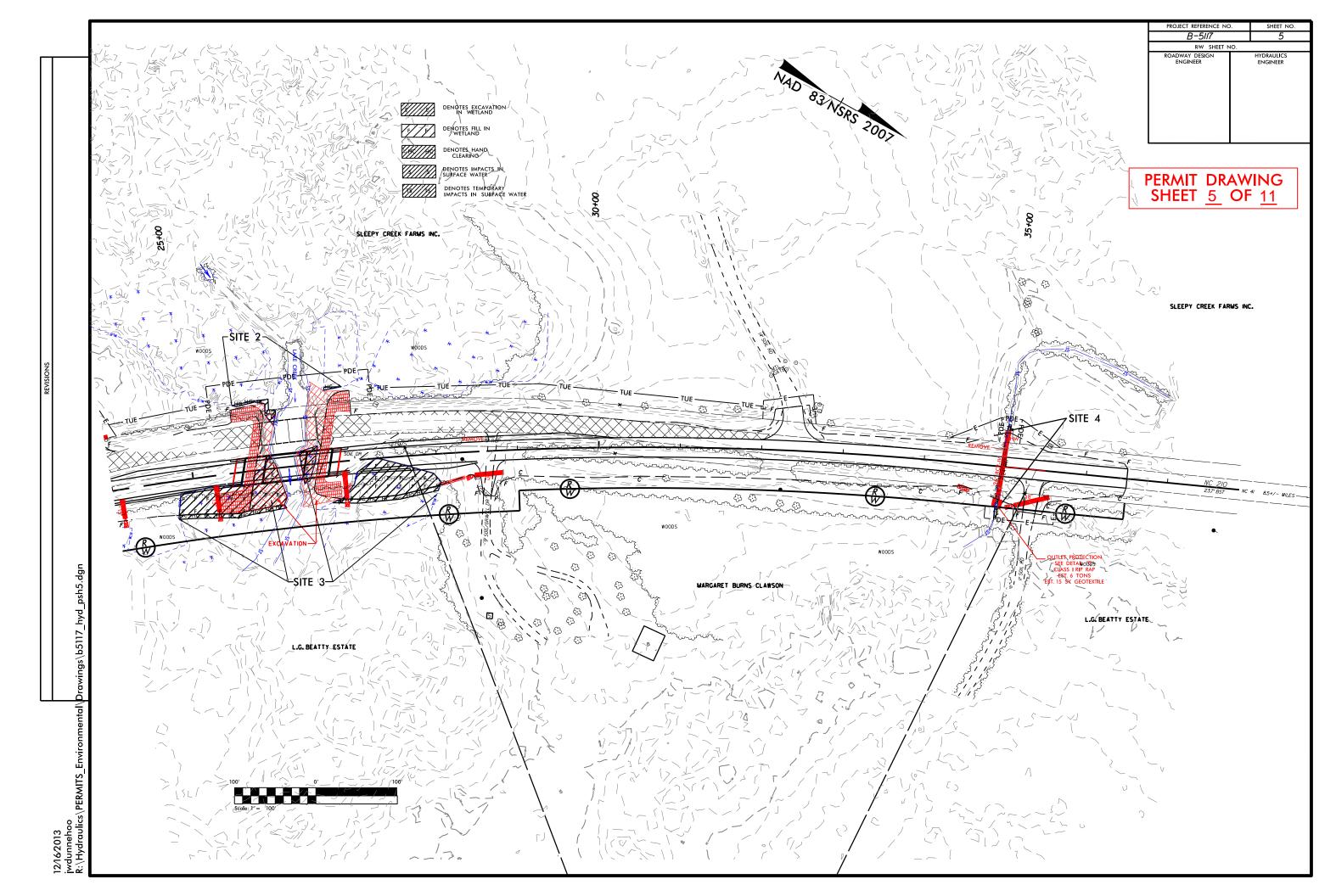


STATE	STATE	PROJECT REFERENCE NO.	SHB N		TOTAL SHEETS
N.C.		B-5117]	l	
STAT	B PROJ. NO.	F. A. PROJ. NO.	DE	SCRIP	TION
42	258.1.1	BRSTP-0210(19)		PE	
42	258.2.1	BRSTP-0210(19)	R/W	&	UTIL.
			_	_	

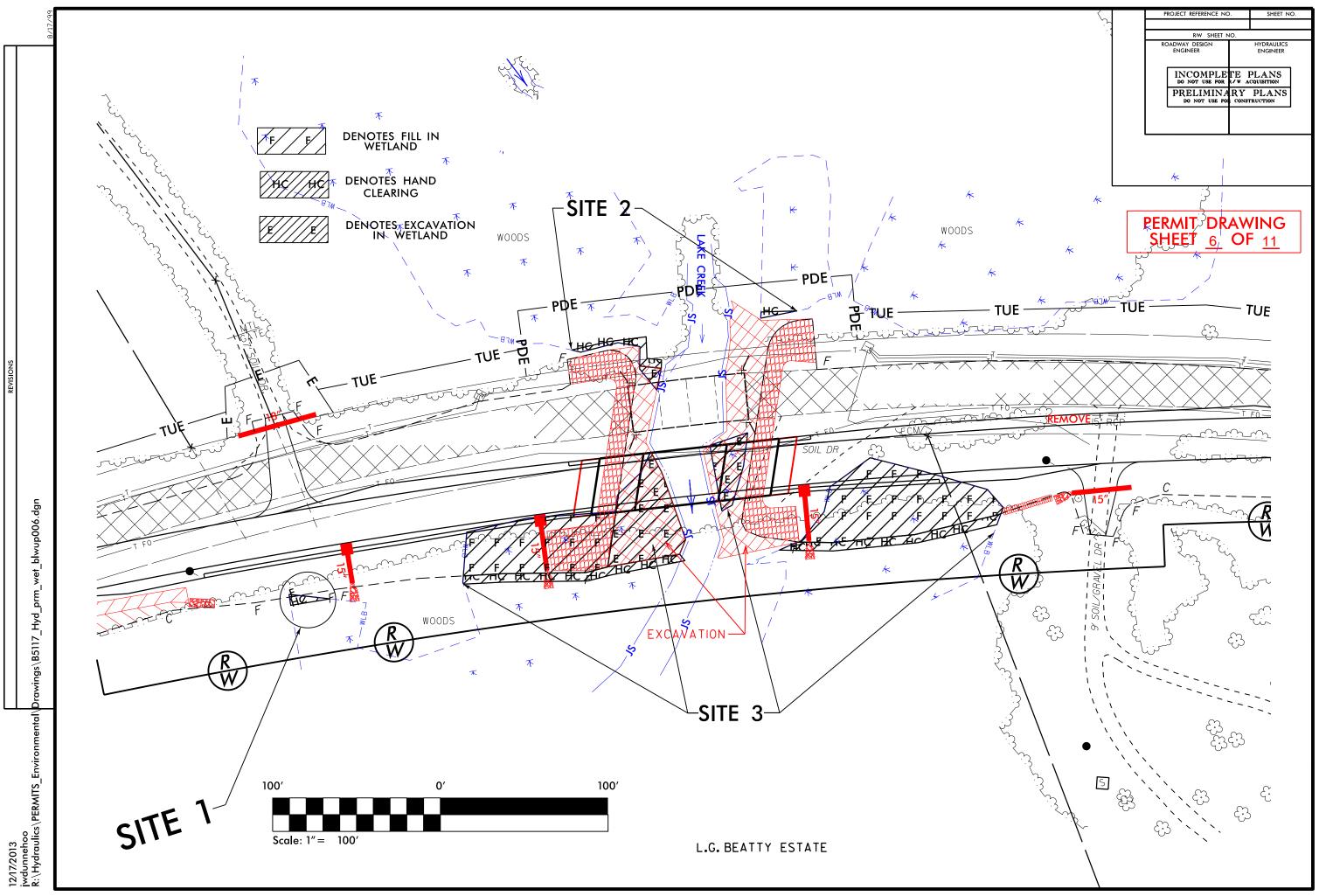


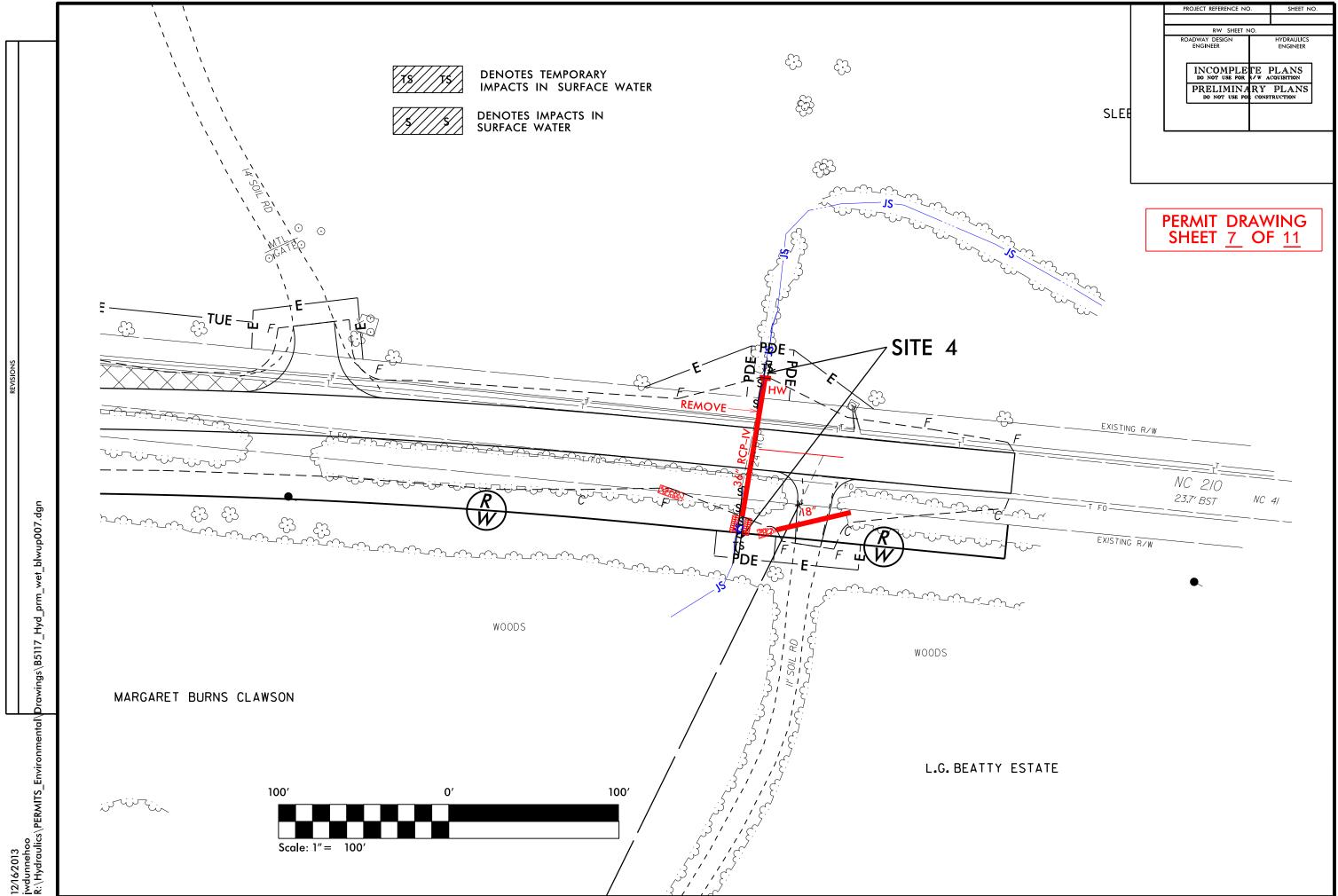




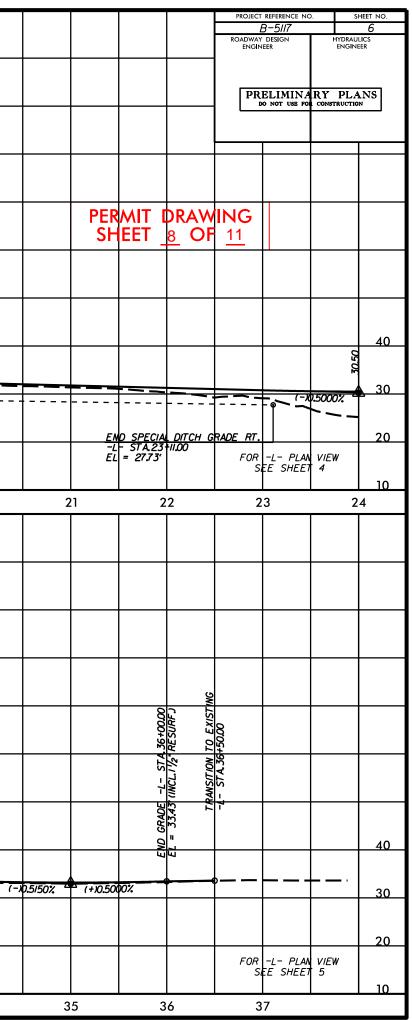


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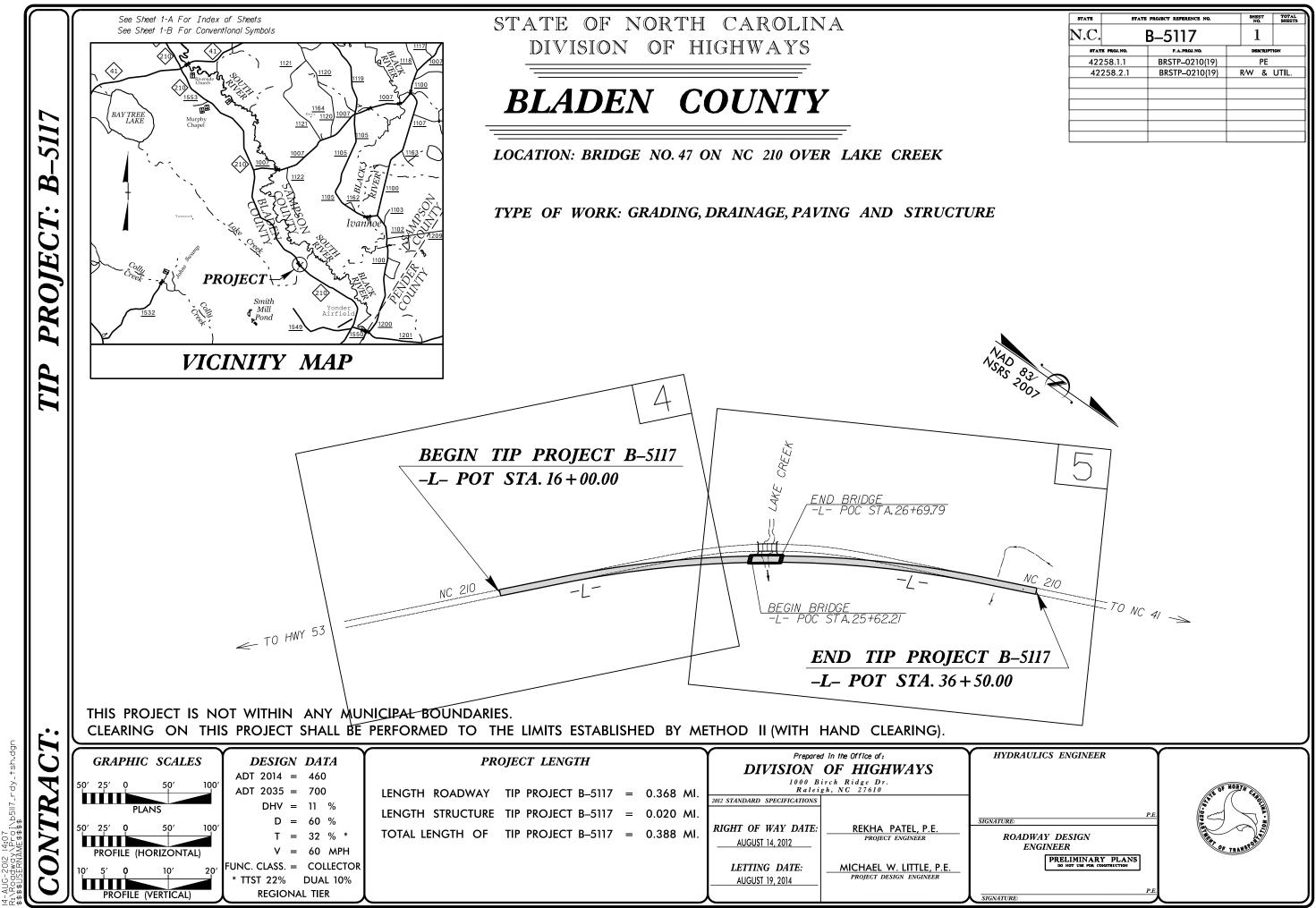
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40 40 50 50 50 50 50 50 50 50 50 5				26+1	= 21.06 = 31.16	62											
	30.50			BEGIN BRIDGE -L- STA.25+62 -L- SJ	102- 102- 102-	BRIDGE STA.26			~~~			-~-		(+	p.4100%	(-)0.5/.	0%



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				VVE	LAND IMPA	CIS			SURFACE	E WATER IM		
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands	Temp. Fill In Wetlands	in Wetlands	Mechanized Clearing in Wetlands	Hand Clearing in Wetlands	Permanent SW impacts	Temp. SW impacts	Existing Channel Impacts Permanent		Natural Stream Design
	00.74.1.7	F 111	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ft)	(ft)
1	23+71 LT	FILL	<.01				<.01					
2	25+60-26+90 LT	FILL	<.01		<.01		<.01					
3	24+76-28+04 RT	FILL/EXCAVATION	0.15		0.06		0.03					
4	34+97 RT & LT	36" RCP						<.01		36		
		BANK						<.01	<.01	12	20	
		STABILIZATION										
		17.										
								1				
							0.04		1.01	1 10	00	
TOTALS	S:		0.15		0.06		0.04	<.01	<.01	48	20	
	0.01 acre of Tem	oorary Fill in Wetland	s in the Hand	Clearing are	eas for erosio	on control mea	asures.		NCI	DEPARTMENT ()F TRANSPO	DRTATION
									NC I	DIVISION O		
					Pe Sh	rmit Drawin eet()o	ng f_1_			BLADEN WBS - 42258.	I COUNTY 1.1 (B-5	117)
									OUDER.			1 /01 /02
Revised 3/31	/05								SHEET			1/21/20



STATE	STAT	E PROJECT REFERENCE NO.		SHE N	вт 0.	TOTAL SHEETS
N.C.		B–5117		1	L	
STAT	E PROJ.NO.	F. A. PROJ. NO.		DE	SCRIP	TION
422	258.1.1	BRSTP_0210(19)			PE	
42	258.2.1	BRSTP_0210(19)	F	٧w	&	UTIL.

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 ————	€IP
Property Corner ————	
Property Monument	
Parcel/Sequence Number	
Existing Fence Line	
Proposed Woven Wire Fence	
Proposed Chain Link Fence	
Proposed Barbed Wire Fence	
Existing Wetland Boundary	
Proposed Wetland Boundary	
Existing Endangered Animal Boundary	
Existing Endangered Plant Boundary	
Known Soil Contamination: Area or Site	-x XX
Potential Soil Contamination: Area or Site	-x XX
BUILDINGS AND OTHER CULTU	VRE:
Gas Pump Vent or U/G Tank Cap	0
Sign	⊙ s
Well	Ŷ
Small Mine	*
Foundation	
Area Outline	
Cemetery	†
Building ———	
School ———	È
Church ———	dئے
Dam	
HYDROLOGY:	

Stream or Body of Water _____ Hydro, Pool or Reservoir _____ Jurisdictional Stream _____ Buffer Zone 1

Buffer Zone 2 BZ 2	
Flow Arrow	
Disappearing Stream	
Spring	-
Wetland *	
Proposed Lateral, Tail, Head Ditch	
False Sump	

— ______

Woods Line –

Control of Orgon Control of Access RR Signal Milepost Image and the second of the second	Standard Gauge	+++++++
Switch Switch RR Abandoned Switch RR Dismantled Switch Right of Way Line Switch Proposed Right of Way Line with Switch Iron Pin and Cap Marker Switch Proposed Right of Way Line with Switch Concrete or Granite RW Marker Switch Proposed Control of Access Switch Proposed Control of Access Switch Proposed Control of Access Switch Proposed Temporary Drainage Easement TDE Proposed Temporary Drainage Easement PDE Proposed Permanent Drainage / Utility Easement DUE Proposed Permanent Drainage / Utility Easement PUE Proposed Permanent Easement with Switch Iron Pin and Cap Marker Switch Proposed Permanent Easement with Switch Iron Pin and Cap Mar		
RR Abandoned	o ,	
RR Dismantled RIGHT OF WAY: Baseline Control Point Existing Right of Way Marker C Existing Right of Way Line Proposed Right of Way Line with Iron Pin and Cap Marker Proposed Right of Way Line with C Concrete or Granite RW Marker Proposed Control of Access Line with Concrete CA Marker Proposed Control of Access C Existing Easement Line Proposed Temporary Construction Easement Proposed Temporary Drainage Easement Prope Proposed Permanent Drainage / Utility Easement DUE Proposed Permanent Utility Easement Pue Proposed Permanent Utility Easement Pue Proposed Permanent Easement with Iron Pin and Cap Marker ROADS AND RELATED FEATURES: Existing Edge of Pavement Proposed Slope Stakes Cut Image: Curb Ramp <lim< td=""><td>RR Abandoned</td><td>swiтсн →→ →→ →→</td></lim<>	RR Abandoned	swiтсн →→ →→ →→
RIGHT OF WAY: Baseline Control Point Existing Right of Way Marker 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 RW Marker Proposed Control of Access Line with Concrete C/A Marker Proposed Control of Access Existing Control of Access Existing Easement Line Proposed Temporary Drainage Easement Proposed Permanent Drainage Easement Proposed Permanent Utility Easement Proposed Permanent Utility Easement Proposed Permanent Utility Easement Proposed Permanent Drainage Fasement Proposed Permanent Drainage Fasement Proposed Permanent Drainage / Utility Easement Proposed Permanent Drainage / Utility Easement Proposed Permanent Utility Easement Proposed Remorary Utility Easement Proposed Permanent Easement with Iron Pin and Cap Marker ROADS AND RELATED FEATURES: Existing Edge of Pavement Existing Curb Proposed Guardrail Proposed Guardrail Proposed Guardrail <td></td> <td></td>		
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Existing Easement Line Proposed Temporary Construction Easement - Proposed Temporary Drainage Easement Proposed Permanent Drainage Easement Proposed Permanent Drainage / Utility Easement Proposed Permanent Drainage / Utility Easement Proposed Permanent Utility Easement Proposed Temporary Utility Easement Proposed Temporary Utility Easement Proposed Permanent Utility Easement Proposed Aerial Utility Easement Proposed Permanent Easement with Iron Pin and Cap Marker Proposed Slope Stakes Cut Proposed Slope Stakes Cut Proposed Slope Stakes Fill Proposed Guardrail Proposed Guardrail Proposed Cable Guiderail Proposed Cable Guiderail Proposed Cable Guiderail Proposed Cable Guiderail	Existing Control of Access	
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Proposed Permanent Utility Easement	Proposed Permanent Drainage Easement ——	PDE
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Proposed Aerial Utility Easement	Proposed Permanent Utility Easement ———	PUE
Proposed Permanent Easement with Iron Pin and Cap Marker ROADS AND RELATED FEATURES: Existing Edge of Pavement Existing Curb Proposed Slope Stakes Cut Proposed Slope Stakes Fill Proposed Curb Ramp Existing Metal Guardrail Proposed Guardrail Proposed Guardrail Proposed Guardrail Proposed Cable Guiderail Proposed Cable Guiderail Proposed Cable Guiderail Proposed Cable Guiderail Existing Cable Guiderail Proposed Cable Guiderail Proposed Cable Guiderail Proposed Cable Guiderail Equality Symbol Pavement Removal VEGETATION:	Proposed Temporary Utility Easement ———	TUE
Iron Pin and Cap Marker	Proposed Aerial Utility Easement	AUE
Existing Edge of Pavement		۲
Existing Curb Proposed Slope Stakes Cut Proposed Slope Stakes Fill Proposed Curb Ramp Existing Metal Guardrail Proposed Guardrail	ROADS AND RELATED FEATURE	<i>:S:</i>
Proposed Slope Stakes Cut C Proposed Slope Stakes Fill F Proposed Curb Ramp CR Existing Metal Guardrail T Proposed Guardrail T Existing Cable Guiderail n Proposed Cable Guiderail 0 n Equality Symbol Q Pavement Removal Q	Existing Edge of Pavement	
Proposed Slope Stakes Fill É Proposed Curb Ramp CR Existing Metal Guardrail Ť Proposed Guardrail Ť Existing Cable Guiderail Ť Proposed Cable Guiderail Ť Proposed Cable Guiderail Ť Proposed Cable Guiderail Ť Proposed Cable Guiderail Ť VEGETATION: Ť	Existing Curb	
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Existing Metal Guardrail		<u>F</u>
Proposed Guardrail T T T T T T T T T T T T T T T	Proposed Curb Ramp	CR
Existing Cable Guiderail n n Proposed Cable Guiderail n Equality Symbol Pavement Removal VEGETATION:	Existing Metal Guardrail ————	<u> </u>
Proposed Cable Guiderail Equality Symbol Pavement Removal VEGETATION:	Proposed Guardrail	<u> </u>
Equality Symbol $\$ Pavement Removal \longrightarrow <i>VEGETATION:</i>	Existing Cable Guiderail ————	<u> </u>
Pavement Removal	Proposed Cable Guiderail ————	
VEGETATION:	Equality Symbol	\odot
	Pavement Removal ————	\boxtimes
Single Tree හි	VEGETATION:	
	Single Tree	යි

Orchard	÷	÷	පි
Vineyard ———		Viney	vard

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	СВ
Paved Ditch Gutter	
Storm Sewer Manhole	S
Storm Sewer	s

UTILITIES:

POWER:	
Existing Power Pole	•
Proposed Power Pole	6
Existing Joint Use Pole	
Proposed Joint Use Pole	-ዮ-
Power Manhole	P
Power Line Tower	\boxtimes
Power Transformer	\square
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	-0-
Telephone Manhole	T
Telephone Booth	3
Telephone Pedestal	\square
Telephone Cell Tower	, Ē,
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.*)-	
Recorded U/G Fiber Optics Cable	T F0
Designated U/G Fiber Optics Cable (S.U.E.*)	— — — — T FO— —

WATER: Water Manhole Water Meter Water Valve Water Hydrant Recorded U/G Water Line Designated U/G Water Line Tesignated U/G Water Line TV Above Ground Water Line TV TV Satellite Dish TV Pedestal TV Tower U/G TV Cable Hand Hole Recorded U/G TV Cable Designated U/G TV Cable Designated U/G Fiber Optic Cable Designated U/G Fiber Optic Cable Designated U/G Fiber Optic Cable (S.U.E.*) Recorded U/G Fiber Optic Cable (S.U.E.*) Gas Valve Gas Meter Recorded U/G Gas Line Designated U/G Gas Line Cas Meter Recorded U/G Gas Line Sanitary Sewer Manhole Sanitary Sewer Cleanout U/G fiber Optic Cable	
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SANITARY SEWER: Sanitary Sewer Manhole Sanitary Sewer Cleanout	
Sanitary Sewer Manhole Sanitary Sewer Cleanout	
Sanitary Sewer Cleanout	
	••••
U/G Sanitary Sewer Line	
Above Ground Sanitary Sewer	A/G Sanitary
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	-
Utility Unknown U/G Line	
U/G Tank; Water, Gas, Oil	
Underground Storage Tank, Approx. Loc.	
A/G Tank; Water, Gas, Oil	
Geoenvironmental Boring	
-	— Đ
U/G Test Hole (S.U.E.*)	U
Abandoned According to Utility Records End of Information	— ©

