

### STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PAT L. MCCRORY GOVERNOR

June 18, 2013

ANTHONY J. TATA Secretary

U. S. Army Corps of Engineers Regulatory Field Office 151 Patton Avenue, Room 208 Asheville, NC 28801-5006

ATTN: Ms. Amanda Fuemmeler NCDOT Coordinator

Dear Madam:

Subject: Application for Section 404 Nationwide 13 & 33 Permits for the proposed replacement of Bridge No. 72 over Chinkapin Creek on NC 200 in Union County, Federal Aid Project No. BRSTP-0200(2); Division 10; TIP No. B-5134; WBS 42293.1.1.

The North Carolina Department of Transportation (NCDOT) proposes to replace the two-span 47' Bridge No. 72 over Chinkapin Creek on NC 200, with a single span 100 foot long bridge. There will be 60 linear feet of permanent impact by way of bank stabilization, and 0.03 acre (58 linear feet) of temporary stream impact associated with 2 temporary causeways (installed and removed separately) necessary to remove a pier and abutment of the existing bridge.

Please see enclosed copies of the Pre-Construction Notification (PCN), Stormwater management plan, permit drawings, design plans, and jurisdictional determination for the above referenced project. The Programmatic Categorical Exclusion (PCE) was completed in April 2012. Documents were distributed shortly thereafter. Additional copies are available upon request.

This project calls for a letting date of March 18, 2014 and a review date of January 28, 2014.

A copy of this permit application and its distribution list will be posted on the NCDOT Website at: <u>http://207.4.62.65/PDEA/PermApps/</u>. If you have any questions or need additional information, please contact Michael Turchy at <u>maturchy@ncdot.gov</u> or (919) 707-6157.

Sincerely,

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

"cc" List: NCDOT Permit Application Standard Distribution List

LOCATION: 1020 BIRCH RIDGE DRIVE RALEIGH NC 27610-4328

WEBSITE: WWW.NCDOT.ORG





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

	Pre-	Constru	uction Notification (PCN	I) Form				
Α.	Applicant Information							
1.	Processing							
1a.	Type(s) of approval sought from Corps:	the	Section 404 Permit Section	on 10 Permit				
1b.	Specify Nationwide Permit (NWP	) number: 1	13 33 or General Permit (GP)	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 Certification	n – Regula	r 🗌 Non-404 Jurisdictiona	al General Permi	it			
	401 Water Quality Certification	-		rization				
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	🗌 Yes	🖾 No			
1f.		fee program proposed for mitigation ter from mitigation bank or in-lieu	🗌 Yes	🖾 No				
1g.	Is the project located in any of N below.	coastal counties. If yes, answer 1h	🗌 Yes	🛛 No				
1h.	Is the project located within a NC	DCM Area	a of Environmental Concern (AEC)?	Yes	🛛 No			
2.	Project Information							
2a.	Name of project:	Replacem	nent of Bridge No. 72 over Chinkapin	Creek on NC 20	00.			
2b.	County:	Union						
2c.	Nearest municipality / town:	Fairview						
2d.	Subdivision name:	not applic	cable					
2e.	NCDOT only, T.I.P. or state project no:	B-5134						
3.	Owner Information	T						
	Name(s) on Recorded Deed:	North Car	rolina Department of Transportation					
	Deed Book and Page No.	not applic	cable					
	Responsible Party (for LLC if applicable):	not applic						
3d.	Street address:		Vilmington Street					
	City, state, zip:	Raleigh, N						
	Telephone no.:	(919) 707						
3g.	Fax no.:	(919) 431	-2002					
3h.	Email address:	maturchy	@ncdot.gov					

4.	Applicant Information (if diffe	erent 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	n (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: 35.518 Longitude: - 80.4962 (DD.DDDDDD) (-DD.DDDDDD)						
1c.	Property size:	1.26 acres						
2.	Surface Waters							
2a.	Name of nearest body of water (stream, river, etc.) to proposed project:	Chinkapin Creek						
2b.	Water Quality Classification of nearest receiving water:	WS-III						
2c.	River basin:	Yadkin-Pee Dee						
3.	Project Description							
3a.	. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application:							
	Mixed use of agricultural, forested & rural low density residenti							
3b.	b. List the total estimated acreage of all existing wetlands on the property:							
	1.2							
3c.	List the total estimated linear feet of all existing streams (interm 120	ittent and perennial) on the property:						
3d.	Explain the purpose of the proposed project: To replace a structurally deficient and functionally obsolete brid	dge.						
3e.	Describe the overall project in detail, including the type of equi Replacement of bridge number 72, a 2 span, 47' structure, with NC 200. Cranes, backhoes, excavators will be used.							
4.	Jurisdictional Determinations							
4a.	Have jurisdictional wetland or stream determinations by the Corps or State been requested or obtained for this property / project (including all prior phases) in the past? Comments:	🛛 Yes 🗌 No 🗌 Unknown						
4b.	If the Corps made the jurisdictional determination, what type of determination was made?	🗌 Preliminary 🛛 Final						
4c.	If yes, who delineated the jurisdictional areas? Name (if known): Mulkey/ Steven W. Lund	Agency/Consultant Company: Mulkey Other:						
4d.	If yes, list the dates of the Corps jurisdictional determinations of December 8, 2009.	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 Summary									
1a. Which sections	1a. Which sections were completed below for your project (check all that apply):								
□ Wetlands									
Open Waters	Open Waters  Pond Construction								
2. Wetland Impac									
				stion for each wetland	area impacte				
2a. Wetland impact	2b.	2c.	2d.	2e. Type of juriso	liction	2f.			
number –	Type of impact	Type of wetland	Forested	(Corps - 404	4, 10	Area of impact			
Permanent (P) or Temporary (T)		(if known)		DWQ – non-404	4, other)	(acres)			
W1 🗌 P 🗌 T			│	Corps					
W2 🗆 P 🗌 T			Ves	Corps					
W3 🗌 P 🗌 T			☐ Yes ☐ No	Corps					
W4 🗆 P 🗆 T									
			□ No						
W5 🗌 P 🗌 T			│	Corps					
	I	I		2g. Total wetla	and impacts				
2h. Comments:					-				
3. Stream Impacts If there are perennia question for all strea	l or intermittent stre	eam impacts (includi	ng temporary i	impacts) proposed on	the site, ther	complete this			
3a.	3b.	3c.	3d.	3e.	3f.	3g.			
Stream impact	Type of impact	Stream name	Perennial	Type of	Average	Impact length			
number - Permanent (P) or			(PER) or intermittent	jurisdiction (Corps - 404, 10	stream width	(linear feet)			
Temporary (T)			(INT)?	DWQ – non-404,	(feet)				
			<u> </u>	other)					
S1 🖾 P 🗌 T	Bank Stabilization	Chinkapin Creek	⊠ PER □ INT	⊠ Corps □ DWQ	17.7' *	60			
S2 🗌 P 🖾 T	Causeway 1	Chinkapin Creek	⊠ PER □ INT	Corps	17.7' *	29 (0.02 acre)			
S1 🗌 P 🛛 T	Causeway 2	Chinkapin Creek	⊠ PER □ INT	Corps	17.7' *	29 (<0.01 acre)			
S4 🗌 P 🗌 T				Corps					
3h. Total stream and tributary impacts									
3i. Comments: * This crossing. The avera				to the bridge's center f the bridge is 17.7'.	bent and the	skew of the			
	ge natara otroam	and aportourn and							

### 4. Open Water Impacts

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

4a. 4b.			4c.			4d.		4e.		
Open water		Name of		-	<i>.</i>					
impact number –		waterbody (if applicable)		Type	e of impact		Waterbody	/ type	Area	of impact (acres)
Permanent (P) or Temporary (T)		(ii applicable)								
	<u>р Т</u>									
02 🗌 F	р∏т									
O3 🗌 F	ЪΠ									
04 🗌 F	Γ□									
						4f. T	otal open wate	r impacts		
4g. Comm	ents:									
5. Pond	or Lake	Construction								
If pond or	lake cons	struction proposed, t	hen comp	lete	the chart b	elow.				
5a.	5b.	<b>· · ·</b> <i>'</i>	5c.			5d.			5e.	
			Wetland Impacts (acres)			Stream Impacts (feet)			Upland (acres)	
Pond ID number		oposed use or				Excav			Exc	
number	purpose of pond		Flooded		Filled	ated	Flooded	Filled	avat ed	Flooded
P1										
P2										
		5f. Total								
5g. Comm	ents:									
5h. Is a da	m high h	azard permit require	d? _	<b>-</b>			16			
3				Y	es	🗌 No	lf yes, permit	ID no:		
5i. Expec	ted pond	l surface area (acres	):							
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 <b>MUST</b> fill out Section D of this form.								
6a.			□ Neuse	Tar-Pamlico	Other:			
Project is in which	protected b	asin?	Catawba Randleman					
6b. Buffer impact	6c.	6d.	6e.	6f.	6g.			
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 🗌 P 🗌 T			☐ Yes ☐ No					
B2 🗌 P 🗌 T			☐ Yes ☐ No					
B3 🗌 P 🗌 T			☐ Yes ☐ No					
	6h. Total buffer impacts							
6i. Comments:								

D.	D. Impact Justification and Mitigation								
1.	1. Avoidance and Minimization								
1a.	. Specifically describe measures taken to avoid or minimize the proposed impacts in designing project.								
	The existing 47' two-span bridge will be replaced with a 100 maintained on an off-site detour during construction. As Ch will be constructed on the project. No deck drains will be us into the hazardous spill basin.	hinkapin Creek is clas	sified as WS-III, a hazardus spill basin						
1b.	Specifically describe measures taken to avoid or minimize t	the proposed impacts	through construction techniques.						
	The project has a large mass- concrete pier directly in the center of Chinkapin Creek. This size and configuration of the bent is partially responsible for the unnatural over widening of the channel at the bridge crossing. The removal of this bent will require a temporary work pad to completely surround it, which will leave 9 feet of channel for approximately 1 month. The natural dimensions of Chinkapin creek upstream and downstream of the bridge averages to 17.7 feet. Therefore the temporary work pad will obstruct less than 50% of the natural channel. Once the center pier is removed, the first causeway will be removed and the second smaller causeway will be installed to remove the abutment. Once removal is complete, the banks will be stabilized with Class II rip-rap, and the new bridge will be constructed without permanent impact to Chinkapin Creek.								
2.	Compensatory Mitigation for Impacts to Waters of the U	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	0						
2b.	If yes, mitigation is required by (check all that apply):		orps						
2c.	If yes, which mitigation option will be used for this project?	<ul> <li>Mitigation bank</li> <li>Payment to in-lieu fee program</li> <li>Permittee Responsible Mitigation</li> </ul>							
3.	Complete if Using a Mitigation Bank								
За.	Name of Mitigation Bank:								
3b.	Credits Purchased (attach receipt and letter)	Туре	Quantity						

3c. Commer	nts:						
4. Complete if Making a Payment to In-lieu Fee Program							
4a. Approva	l letter from in-lieu fee progra	m is attached.	Yes				
4b. Stream r	mitigation requested:		0 linear feet				
			The NCDOT does not propose mitigation for stream bank stabilization activities. Stabilizing the bank of a stream does not require fill in the stream bed and, therefore, under Section 404 of the Clean Water Act, does not constitute Loss of Waters of the U.S. and is not subject to compensatory mitigation. Furthermore, the proposed bank stabilization activities are necessary to prevent erosion and sedimentation, i.e. preventing bank destabilization and minimizing impacts to the environment.				
4c. If using s	stream mitigation, stream tem	perature:					
4d. Buffer m	itigation requested (DWQ onl	y):	n/a square feet				
· · ·	wetland mitigation requested		0 acres				
•	rian wetland mitigation reque		0 acres				
4g. Coastal	(tidal) wetland mitigation requ	lested:	0 acres				
4h. Commer	nts:						
5. Comple	ete if Using a Permittee Res	ponsible Mitigation F	Plan				
5a. If using	a permittee responsible mitig	ation plan, provide a c	lescription of the propo	osed mitigation plan.			
6. Buffer I	Mitigation (State Regulated	Riparian Buffer Rule	s) – required by DWC	2			
	project result in an impact with hitigation?	nin a protected riparia	n buffer that requires	🗌 Yes 🛛 No			
	of mitigation required.	-	of the riparian buffer th	at requires mitigation. Calculate the			
Zone	6c. Reason for impact	6d. Total impact (square feet)	Multiplier	6e. Required mitigation (square feet)			
Zone 1			3 (2 for Catawba)				
Zone 2			1.5				
		6f. Total buffer	mitigation required:				
	mitigation is required, discus e responsible riparian buffer			ayment to private mitigation bank, I fee fund).			
6h. Commer	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 no, explain why. Comments:	🛛 Yes	🗌 No
2. Stormwater Management Plan	1	
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 Stormwater Management Plan.	rrative descriptic	on of the plan:
2e. Who will be responsible for the review of the Stormwater Management Plan?		ocal 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 Water Supp Other:	oly Watershed
3c. Has the approved Stormwater Management Plan with proof of approval been attached?	Yes	🗌 No
4. DWQ Stormwater Program Review		
4a. Which of the following state-implemented stormwater management programs apply (check all that apply):	Coastal co HQW ORW Session La Other:	unties aw 2006-246
4b. Has the approved Stormwater Management Plan with proof of approval been attached?	Tes Yes	No N/A
5. DWQ 401 Unit Stormwater Review	1	
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: PCE Signed April 2012.		
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)		
3a.	Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality?	☐ Yes	🖾 No
3b.	If you answered "yes" to the above, submit a qualitative or quantitative cumulative imp most recent DWQ policy. If you answered "no," provide a short narrative description.	bact 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 the proposed project, or available capacity of the subject facility.	arge) of wastewat	er generated from
	not applicable		

5.	Endangered Species and Designated Critical Habitat (Corps Requirement)							
<u>,</u> 5a.	Will this project occur in or near an are habitat?	ea with federally protected species or	🛛 Yes	No				
5b.	Have you checked with the USFWS control impacts?	oncerning Endangered Species Act	☐ Yes	🖾 No				
5c.	If yes, indicate the USFWS Field Offic	e you have contacted.	☐ Raleigh ☐ Asheville					
5d.	What data sources did you use to dete Habitat?	ermine whether your site would impact E	ndangered Species or I	Designated Critical				
	As of December 26, 2012 the USFWS lists 3 federally listed species for Union County. Of these species, Michaux's sumac and Schweinitz's sunflower have potential habitat within the project area. Surveys for this species were conducted by NCDOT biologists in September 2008, October 2010, and October 2013, and no individuals of these species were found. The biological conclusion for all species is "No Effect".							
6.	Essential Fish Habitat (Corps Requ	irement)						
6а.	Will this project occur in or near an are	a designated as essential fish habitat?	T Yes	🛛 No				
6b.	What data sources did you use to dete	ermine whether your site would impact E	ssential Fish Habitat?					
7.	Historic or Prehistoric Cultural Res	ources (Corps Requirement)						
7a.	Will this project occur in or near an are governments have designated as havi status (e.g., National Historic Trust de North Carolina history and archaeolog	ing historic or cultural preservation signation or properties significant in	☐ Yes	🖾 No				
7b.	What data sources did you use to dete	ermine whether your site would impact hi	storic or archeological ı	esources?				
8. F	lood Zone Designation (Corps Requ	irement)						
8a.	Will this project occur in a FEMA-desig	nated 100-year floodplain?	🗌 Yes	🛛 No				
8b.	If yes, explain how project meets FEM	A requirements: NCDOT Hydraulics coor	dination with FEMA					
8c.	What source(s) did you use to make th	e floodplain determination? FEMA Maps	·					
	Srigory J. Tho <i>pp</i> , PhD Applicant/Agent's Printed Name	Applicant/Agent's Sig (Agent's signature is valid only if an authorizat is provided.)		6-18-13 Date				

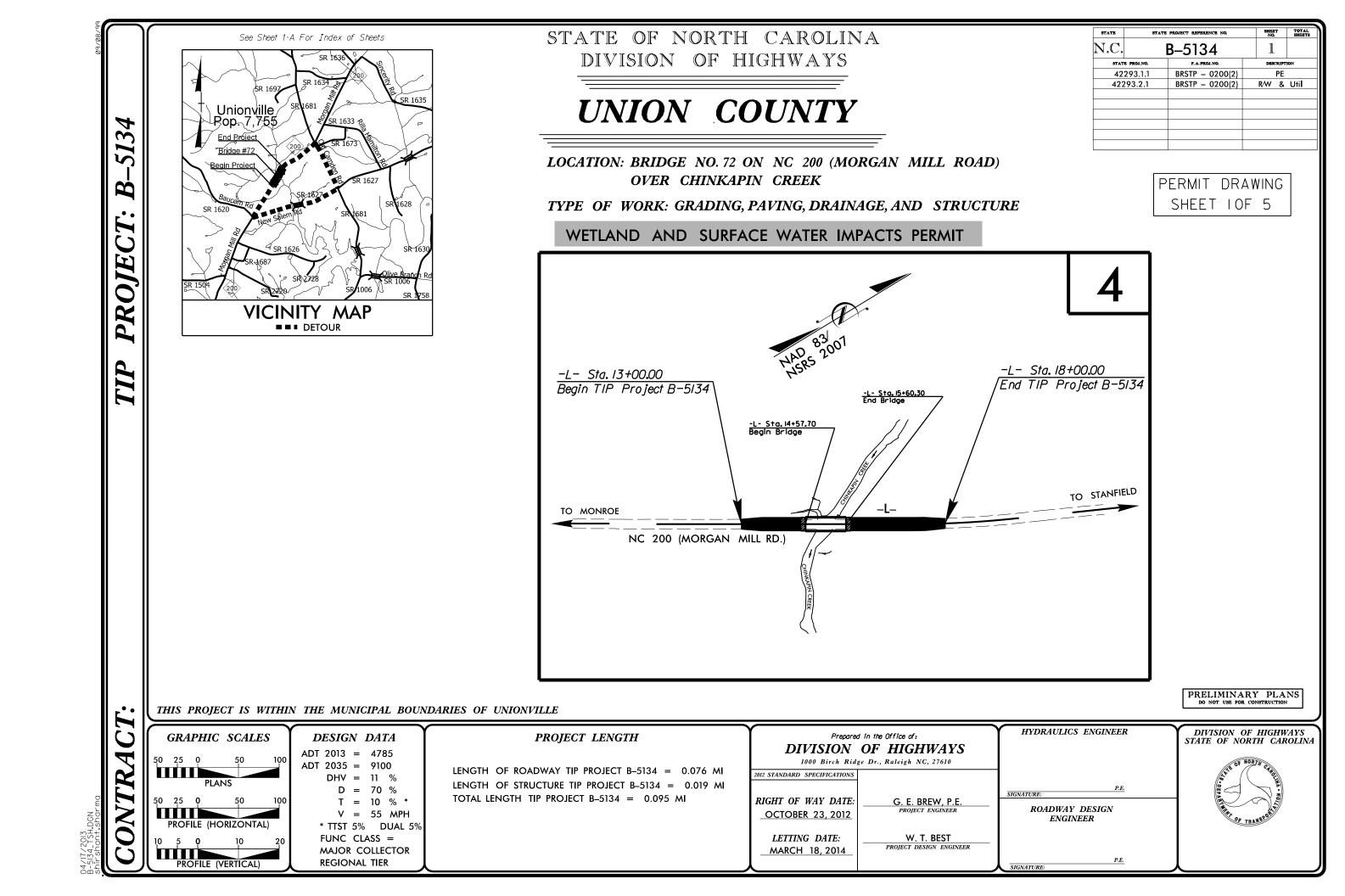
Highway – – – Stormwater

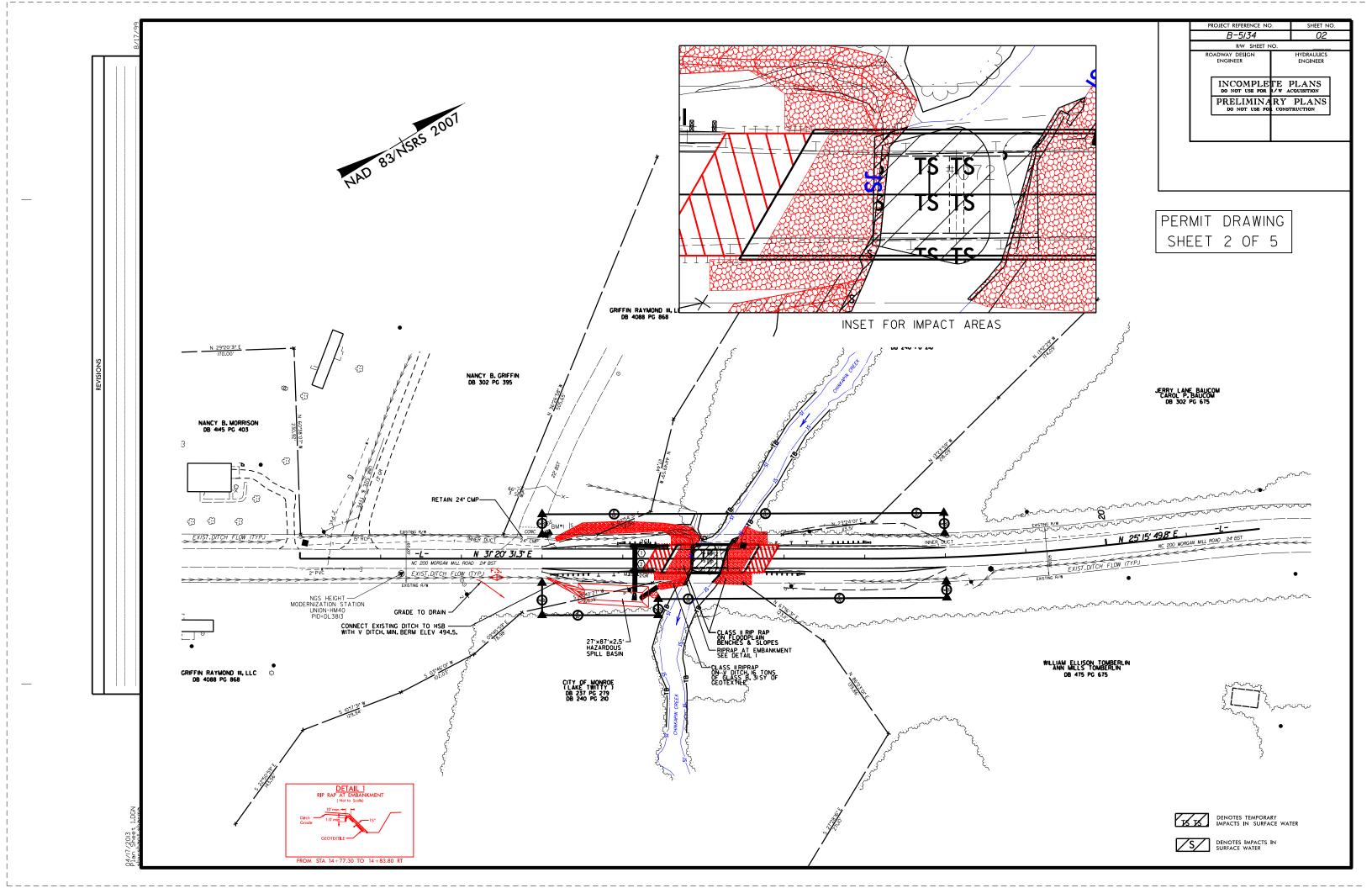
North Carolina Department of Transportation

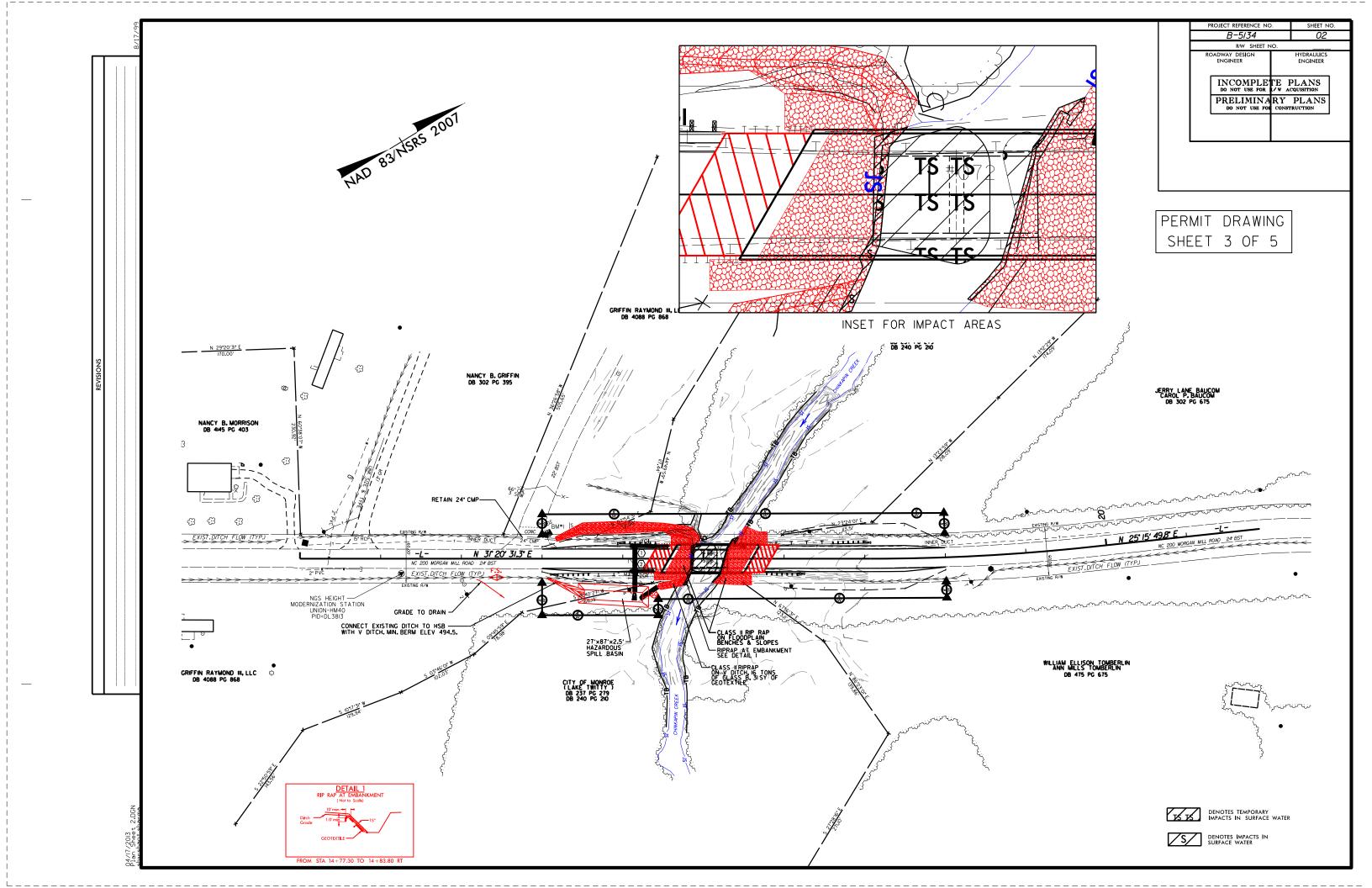
Highway Stormwater Program

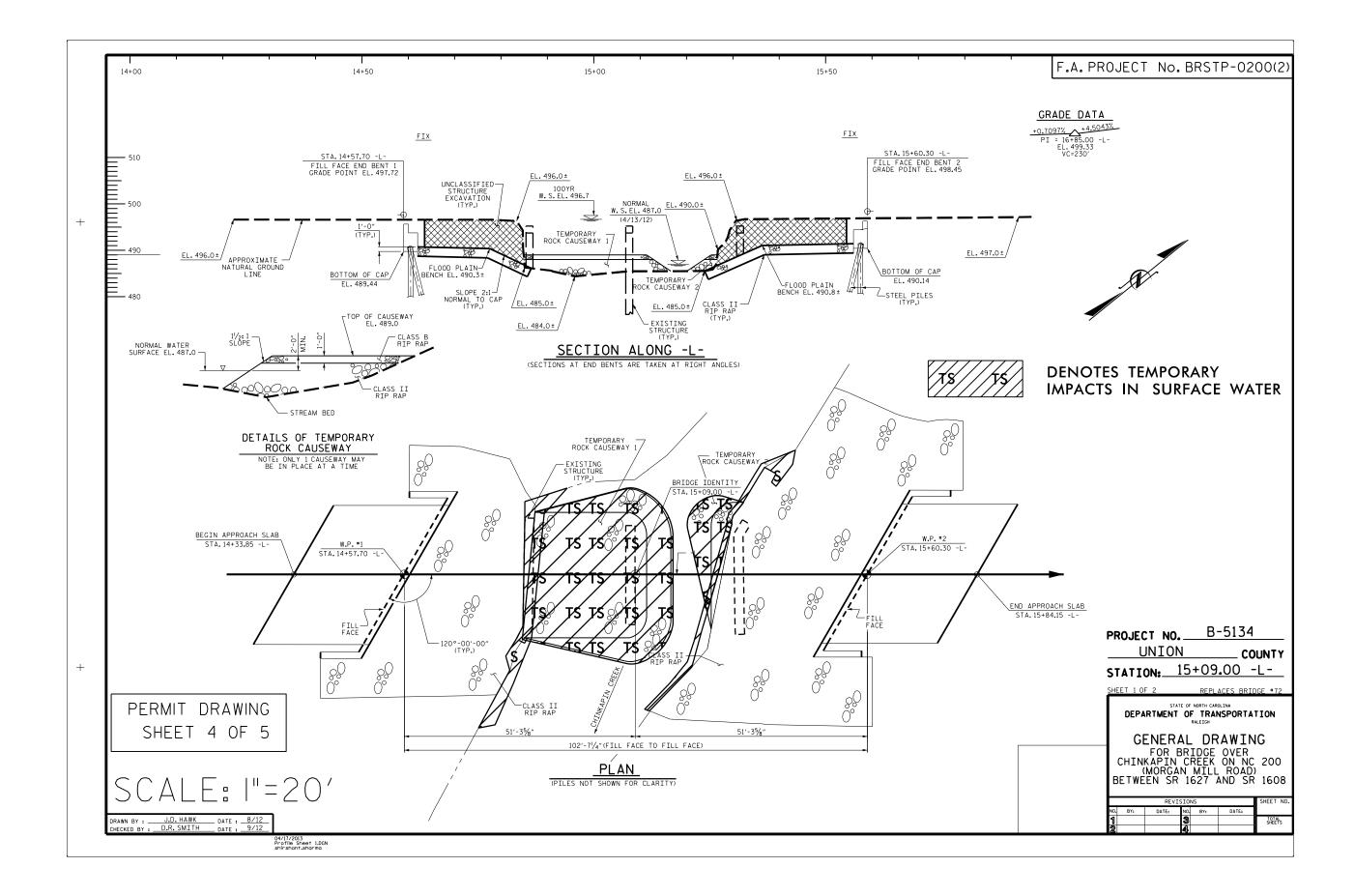
STORMWATER MANAGEMENT PLAN

(Version 1.2; Released Se	eptember 2011)		FOR LINEAR ROAD	WAY PROJECTS							
Project/TIP No.:	B-5134	County(ies):	UNION					Page	1	of	3
			General Project	t Information							
Project No.:		B-5134		Project Type:	Bridge Repla	cement		Date:	4/11/2013		
NCDOT Contact:		William S. Zerman		Contractor / Desig	ner:	AMEC Envi	ronment & Infras	structure, Inc.			
	Address:	Hydraulics Unit			Address:	2801 Yorkm	nont Road, Suite	100			
		1020 Birch Ridge Drive, Century Co	enter Building B			Charlotte, N	IC 28208				
		Raleigh, NC 27610									
	Phone:	919-707-6755			Phone:	704-357-55	99				
	Email:	bzerman@ncdot.gov			Email:	richard.hine	r@amec.com				
City/Town:				County(ies):	UNI	ON					
River Basin(s):		Yadkin-Pee Dee		CAMA County?	N						
Primary Receiving W	/ater:	Chinkapin Creek		NCDWQ Stream In	dex No.:	13-17-36-9-	5-(0.7)				
NCDWO Surface Wat	ter Classification	for Primary Receiving Water	Primary:	Water Supply II	II (WS-III)		None				
			Supplemental:								
Other Stream Classi	fication:	None									
303(d) Impairments:		None									
Buffer Rules in Effect	t	N/A									
			Project De	escription							
Project Length (lin. N	Viles or feet):	0.10	Surrounding Land Use:			Farm	land and Reside	ential			
			Proposed Project				Exist	ting Site			
Project Built-Upon A			ac.			ac.					
Typical Cross Sectio	on Description:	Proposed roadway consists of 2 12	t ft travel lanes with 4 ft paved sh	oulders	ders Existing roadway consists of 2-10 ft lanes with 5 ft unpaved shoulders.						
Average Daily Traffic	c (veh/hr/day):	Design/Future:	9100		Existing: 4000						
General Project Narr		The existing 47' two-span bridge (2 Chinkapin Creek is classified as W will be captured in bridge drop inlet	S-III and a hazardous spill basin	will be required. No	deck drains h	ave been pr	oposed on the b	ridge structure	ture at the s and all bridg	ame locati	ion. ainage
			Refere	nces							







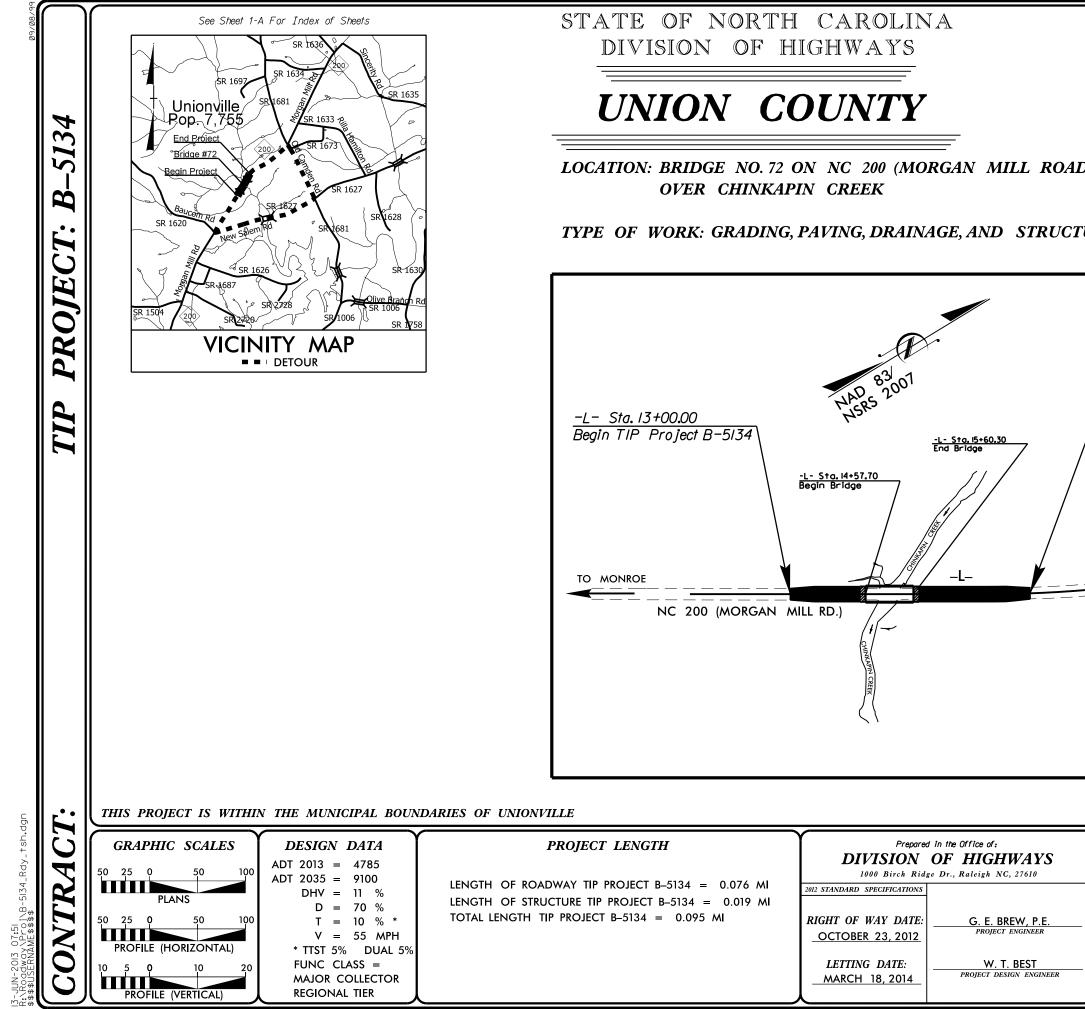


			r						SUDEA		IDACTS	
				WETLAND IMPACTS Hand				SUKFA	SURFACE WATER IMPACTS Existing Existing			
			Permanent	Temp.	Excavation	Mechanized		Permanent	Temp.	Channel	Channel	Natura
Site	Station	Structure	Fill In	Fill In	in	Clearing	in	SW	SW	Impacts	Impacts	Stream
No.	(From/To)	Size / Type	Wetlands	Wetlands	Wetlands		Wetlands	impacts	impacts	Permanent	Temp.	Desig
110.	(11011,10)	0.207 1990	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ft)	(ft)
	14+84.5/15+15.23	Causeway 1		()	(111)		()		0.02		29	
	15+15.23/15+31.30	Causeway 2							< 0.01		29	
	14+83	Bank Stabilization								60		
TALS*:											= -	
									0.03	60	58	0

Note that the temporary linear impacts for Causeway #1, Causeway #2, and the removal of the existing end bents and wingwalls all impact the same linear portion of Chinkapin Creek at different times and are not additive.

BRIDGE 890072 (B-5134) ON NC 200 OVER CHINKAPIN CREEK 5 5 SHEET OF

Revised 4/09/13



	STATE	STATE	PROJECT REPERENCE NO.	SHEET NO.	TOTAL SHEETS
	N.C.			1	
			3–5134		
		e proj. no. 293.1.1	F.A. PROJ. NO. BRSTP - 0200(2)	PE	ION
		93.2.1	$\frac{BRSTP = 0200(2)}{BRSTP = 0200(2)}$	R/W &	Util
			, <i>I</i>		
	<u> </u>				
					]
<b>D</b> )					
TURE					
	Λ				
-1- Sta 18+00	00				
-L- Sta. 18+00. /End TIP Projec		134			
	כ־ם ו	1.54			
/					
/					
тО	STANFIE				
			DDDT TOTO	ny n	NO
			PRELIMINA DO NOT USE FO	RY PLA R CONSTRUCTION	NS
HYDRAULICS E	NGINEEF	- <b></b>	<b>DIVISION</b>	OF HIGHW	VAYS
			STATE OF NO		
				MARC	
_			LTE OF	NORTH CAR	
				A NIL	
SIGNATURE:	<i>P.E.</i>				
- ROADWAY DE	ESIGN				
ENGINEEI			<b>V</b> 01	TRANSPOR	
				-	
-			1		
	P.E.		1		
SIGNATURE:			入		

### Note: Not to Scale \*S.U.E. = Subsurface Utility Engineering

# STATE OF NOR DIVISION OF CONVENTIONAL PLA

### BOUNDARIES AND PROPERTY:

State Line	
County Line	
Township Line	
City Line	
Reservation Line	
Property Line	
Existing Iron Pin	
Property Corner ————	
Property Monument	- ECM
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	EAB
Existing Endangered Plant Boundary	ЕРВ ———
Known Soil Contamination: Area or Site	-x - x
Potential Soil Contamination: Area or Site ——	-x-x
BUILDINGS AND OTHER CULT	

### BUILDINGS AND OTHER CULTURE.

Gas Pump Vent or U/G Tank Cap	0
Sign	⊙ s
Well	Ŷ
Small Mine	☆
Foundation	
Area Outline	
Cemetery	1
Building	
School ———	
Church	طئے
Dam	

### HYDROLOGY:

Stream or Body of Water	
Hydro, Pool or Reservoir —————	·
Jurisdictional Stream	
Buffer Zone 1	BZ 1
Buffer Zone 2	BZ 2
Flow Arrow	<b>~</b>
Disappearing Stream	->
Spring	0
Wetland	· ¥
Proposed Lateral, Tail, Head Ditch ————	
False Sump	•

RAILROADS:	+++++++++++++++++++++++++++++++++++++++
Standard Gauge	CSX TRANSPORTAT
RR Signal Milepost ————————————————————————————————————	⊙ MILEPOST 35
Switch ———	SWITCH
RR Abandoned	
RR Dismantled	
RIGHT OF WAY:	
Baseline Control Point	•
Existing Right of Way Marker ————	$\bigtriangleup$
Existing Right of Way Line	
Proposed Right of Way Line	-
Proposed Right of Way Line with Iron Pin and Cap Marker	
Proposed Right of Way Line with Concrete or Granite RW Marker	
Proposed Control of Access Line with Concrete C/A Marker	<del>- (</del>
Existing Control of Access	——(Ê)—-
Proposed Control of Access	<del></del>
Existing Easement Line	— — Е — -
Proposed Temporary Construction Easement -	E
Proposed Temporary Drainage Easement ——	TDE
Proposed Permanent Drainage Easement ——	PDE
Proposed Permanent Drainage / Utility Easement	DUE
Proposed Permanent Utility Easement ———	PUE
Proposed Temporary Utility Easement ———	TUE
Proposed Aerial Utility Easement	AUE
Proposed Permanent Easement with Iron Pin and Cap Marker	۲
ROADS AND RELATED FEATURE	<i>'S:</i>
Existing Edge of Pavement	
Existing Curb	C
Proposed Slope Stakes Cut	<u>F</u>
Proposed Slope Stakes Fill	
Proposed Curb Ramp	CR
Existing Metal Guardrail	T
Proposed Guardrail	<u> </u>
Existing Cable Guiderail	
Proposed Cable Guiderail	
Equality Symbol	$\odot$
Pavement Removal	$\boxtimes$
VEGETATION:	
Single Tree	යි

Hedge ——

Woods Line ------

			project reference no. <b>B-5/34</b>	SHEET
CH CAROLINA HIGHWAYS		_		
N SHEET SYMBO	SIC			
		WATER:		
		Water Manhole	W	
		Water Meter		
		Water Valve		
	0 0 0 0	Water Hydrant —		
'ineyard	Vineyard	Recorded U/G Water Line		
EVICTING STRUCTURES.		Designated U/G Water Line (S.U.E.*)		
EXISTING STRUCTURES:		Above Ground Water Line		
Bridge, Tunnel or Box Culvert —	CONC	TV:		
/	CONC WW	TV Satellite Dish	K	
NNOR: Head and End Wall ──────────────────────────────────	CONC HW	TV Pedestal		
Pipe Culvert		TV Tower		
Footbridae		U/G TV Cable Hand Hole		
	_	Recorded U/G TV Cable		
Drainage Box: Catch Basin, DI or JB ———	СВ	Designated U/G TV Cable (S.U.E.*)-		
Paved Ditch Gutter ———————————————————————————————————		Recorded U/G Fiber Optic Cable		
Storm Sewer Manhole	S	Designated U/G Fiber Optic Cable (S.L		
Storm Sewer	s	Designated 0/6 The Optic Cable (3.0	<b>J.L</b> . )	-
		GAS:		
UTILITIES:		Gas Valve	^	
OWER:		Gas Meter		
xisting Power Pole	•	Gas Meter		
Proposed Power Pole	9			
Existing Joint Use Pole		Designated U/G Gas Line (S.U.E.*)		
Proposed Joint Use Pole	- <del>0</del> -	Above Ground Gas Line		
Power Manhole	P			
Power Line Tower	$\boxtimes$	SANITARY SEWER:		
Power Transformer	$\square$	Sanitary Sewer Manhole		
J/G Power Cable Hand Hole		Sanitary Sewer Cleanout	-	
H-Frame Pole	••	U/G Sanitary Sewer Line		
Recorded U/G Power Line	Р	Above Ground Sanitary Sewer		
Designated U/G Power Line (S.U.E.*)	— — P — — — — —	Recorded SS Forced Main Line		
		Designated SS Forced Main Line (S.U.I	E.*) — — — — — FSS	
ELEPHONE:				
Existing Telephone Pole		MISCELLANEOUS:		
Proposed Telephone Pole	- <b>O</b> -	Utility Pole		
Felephone Manhole	T	Utility Pole with Base		
Telephone Booth	3	Utility Located Object		
Telephone Pedestal	T	Utility Traffic Signal Box		
elephone Cell Tower	, Ī,	Utility Unknown U/G Line		
J/G Telephone Cable Hand Hole	Н <sub>Н</sub>	U/G Tank; Water, Gas, Oil		
Recorded U/G Telephone Cable	т	Underground Storage Tank, Approx. Loo		)
Designated U/G Telephone Cable (S.U.E.*)—		A/G Tank; Water, Gas, Oil		
Recorded U/G Telephone Conduit		Geoenvironmental Boring		
Designated U/G Telephone Conduit (S.U.E.*)		U/G Test Hole (S.U.E.*)	•	
Recorded U/G Fiber Optics Cable		Abandoned According to Utility Record	s —— 🛛 🗛 🗛 🗛 🗛 🗛	JR
Designated U/G Fiber Optics Cable (S.U.E.*)		End of Information	—— E.O	). <b>I</b> .

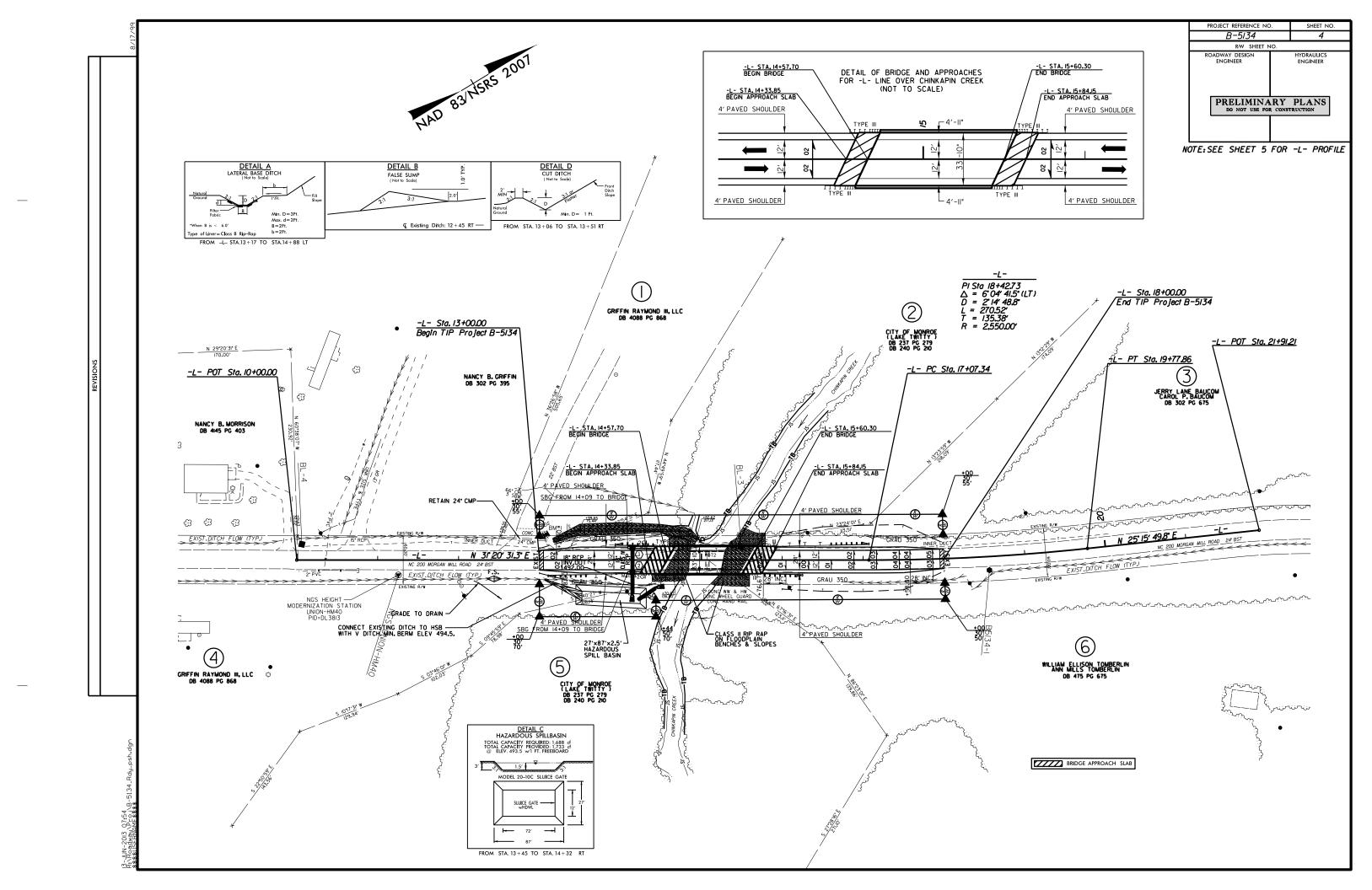
MAJOR:	
Bridge, Tunnel or Box Culvert	CON
Bridge Wing Wall, Head Wall and End Wall -	) CONC
AINOR: Head and End Wall	CONC
Pipe Culvert	
Footbridge	<b></b>
Drainage Box: Catch Basin, DI or JB ———	
Paved Ditch Gutter	
Storm Sewer Manhole	(5
Storm Sewer	s

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

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Existing Telephone Pole	-
Proposed Telephone Pole	-0
Telephone Manhole	T
Telephone Booth	3
Telephone Pedestal	Ī
Telephone Cell Tower	Ť,
U/G Telephone Cable Hand Hole	HF
Recorded U/G Telephone Cable	T
Designated U/G Telephone Cable (S.U.E.*) $-$	t
Recorded U/G Telephone Conduit	TO
Designated U/G Telephone Conduit (S.U.E.*)-	
Recorded U/G Fiber Optics Cable	т
Designated U/G Fiber Optics Cable (S.U.E.*)-	T



### **U.S. ARMY CORPS OF ENGINEERS**

WILMINGTON DISTRICT

NO Wetlands

Action Id. SAW-2009-11	52 County: <u>Union</u>	U.S.C	S.S. Quad: _	Monore
N	OTIFICATION OF JURISDIC	CTIONAL DE	TERMIN	NATION Turchy
	NC Department of Transportation, A Project Development and Environme		<u>[horpe</u>	RECEIVED
-	1598 Mail Service Center Raleigh, NC 27699-1548 919-715-1334			DEC 15 2009
Property description:				DIVISION OF HIGHWAYS
Size (acres)	4 approx.	Nearest Town	Monroe	PDEA-OFFICE OF NATURAL ENVIRONMENT
Nearest Waterway	Chinkapin Creek	River Basin	Yadkin	
USGS HUC	03040105	Coordinates	N 35.051	8 W 80.4962
Location description	Bridge No. 72, NC Hwy 200, TIP B-	5134		

### **Indicate Which of the Following Apply:**

### A. Preliminary Determination

Based on preliminary information, there may be wetlands on the above described property. We strongly suggest you have this property inspected to determine the extent of Department of the Army (DA) jurisdiction. To be considered final, a jurisdictional determination must be verified by the Corps. 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 property 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.
- X There are waters on the above described property 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 and wetlands on your property have been delineated and the delineation has been verified by the Corps. We strongly suggest you have this delineation surveyed (GPS). Upon completion, this survey should be reviewed and verified by the Corps. Once verified, this survey will provide an accurate depiction of all areas subject to CWA jurisdiction on your property which, provided there is no change in the law or our published regulations, may be relied upon for a period not to exceed five years.

 $\underline{X}$  The surface waters and/or wetlands have been delineated and surveyed and are accurately depicted on the maps and GPS surveys from Mulkey, Inc. dated 29 May 2009. 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 property 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 Washington, NC, at (252) 946-6481 to determine their requirements.

Action ID: \_\_\_\_\_ SAW-2009-1152

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 <u>Steven Lund</u> at <u>828-271-7980</u>.

### **C.** Basis For Determination

<u>Stream Quality Assessment/Identification Forms, Wetland Determination Forms and Jurisdictional Determination</u> Forms included with the submittal of 29 May 2009 from Mulkey Inc.

### **D.** Remarks

<u>Chinkapin Creek and unnamed tributaries are relatively permanent waters (RPWs) flowing to the Rocky River, a</u> <u>traditionally navigable water (TNW).</u>

## E. 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: Steven Lund, Project Manager, Asheville Regulatory Field Office 151 Patton Avenue, Room 208 Asheville, North Carolina 28801-5006

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 within 60 days of the date of this verification.

\*\*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: Steven W. Lund Sw1

Date: \_\_\_\_\_\_\_ December 8, 2009\_\_\_\_\_

Expiration Date: \_\_\_\_\_\_ December 8, 2014\_\_\_\_

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 attached customer Satisfaction Survey or visit http://www.saw.usace.army.mil/WETLANDS/index.html to complete the survey online.

Copy furnished: Mark Mickley, Mulkey Engineers & Consultants, Inc., PO Box 33127, Raleigh, NC 27636