STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

October 13, 2003

U.S. Army Corps of Engineers
Regulatory Branch
Post Office Box 1890
Wilmington, NC 28402-1890

ATTN: Mr. Richard Spencer
NCDOT Coordinator

Subject: **Nationwide 23 and 33 application.** Randolph County, Replacement of Bridge No. 49 Over Cable Creek on SR 1320, Federal Aid Project No. BRZ-1320(3), State Project No. 8.2572601, TIP Project No. B-3686.

Please find enclosed three copies of the project planning report for the above referenced project. We plan to replace Bridge 49 over Cable Creek (DEM Index # 13-2-3-3-3, Class C) at the existing location with a triple barrel, 10 foot (3.0 meter) wide by 9 foot (2.7 meter) high reinforced concrete box culvert. Traffic will be maintained during construction by an on-site detour structure placed to the west side of the existing bridge. The proposed culvert will be of sufficient length to provide two 12-foot (3.6-meter) travel lanes with 8-foot (2.4-meter) turf shoulders on each side. The proposed culvert will have sills on the two outer barrels (see Culvert Survey and Hydraulic Design Report). There will be no impacts to wetlands. There will be permanent stream impacts to approximately 52 linear feet or 0.008 acres of jurisdictional stream, and 55 linear feet or 0.02 acres of temporary stream impact from construction of the on-site detour. There will also be temporary stream impacts to approximately 0.03 acres of jurisdictional stream from culvert installation and dewatering.

Bridge Demolition

The existing bridge, both superstructure and substructure is composed of timber. There is a concrete encasement for the center pile. The asphalt surface will be removed prior to demolition. The anticipated fill in waters associated with the concrete encasement will be approximately two cubic yards. The remainder of the bridge will be removed without dropping into Waters of the U.S. This project can be classified as Case 3, where there are no special restrictions beyond those outlined in Best Management Practices for Bridge Demolition and Removal. As requested by the N.C. Wildlife Resources Commission, Sedimentation and Erosion Control Standards for Sensitive Watersheds (HQW) will be used. This requirement is to protect state listed mussels in Carraway Creek, which is downstream of Cable Creek.

Permanent Impacts:
There will be permanent stream impacts to approximately 52 linear feet or 0.008 acres of jurisdictional stream due to the length of the proposed culvert and placement of rip rap. A culvert of this length is needed to provide two 12-foot travel lanes with 11-foot turf shoulders.

Temporary Impacts:

1. On-site Detour: There will be 0.02 ac temporary impacts from the construction of the temporary detour. Construction of the proposed detour will consist of a two-phase construction technique. The temporary impacts to the creek will be from the temporary fill associated with the use of impervious dikes and from the dewatering of the creek. These actions are described in the following paragraphs.

A temporary channel diversion will be constructed at Station 17+30 utilizing impervious dikes to facilitate construction of the detour. The project will be done in two phases.

- Phase I: The initial phase will have an impervious dike that will divert creek flow away from the construction area until the South and Middle corrugated steel pipes (CSP) are installed.

- Phase II: The next phase will see the creek flow diverted into the recently installed barrels; an impervious dike will then be built that will allow for the construction of the third Northernmost CSP. Upon completion, the creek flow will be diverted into the three 72' CSP's.

The impervious dikes may be constructed from a combination of materials that will be selected during the construction of the project in order to minimize the temporary impacts. Methods will be limited to sheet piling, sandbags, concrete traffic barrier or soil encased in fabric. The area where the CSP's will be installed will be dewatered using a stilling basin or stilling bag that will be located away from the flood zone of the stream.

Restoration Plan: The temporary impact will consist of the above-mentioned activities. Following installation of the temporary channel diversion the construction of the impervious dikes will be completed. After completion of the CSP's all material used in the construction of the impervious dikes will be removed. The stream will then be restored to its pre-project contours.

The temporary impact area associated with construction on the streambanks is expected to recover naturally, since the natural streambed and plant material will not be dramatically impacted. The NCDOT does propose planting flowering dogwood and redbud in the temporary impact area outside of the streambanks (see Erosion Control plans). The fill will be placed and removed with the appropriate equipment.

Schedule: All steps will be taken to minimize stream impacts for Cable Creek. NCDOT will request the contractor to complete the installation of the CSP's and impervious dikes in a timely manner so that all exposed areas will be stabilized to prevent erosion. The project

schedule calls for a production letting of December 16, 2003 with a date of availability of January 16, 2004. It is expected that the contractor will choose to start construction of the impervious dike for Phase I at that time.

Removal and Disposal Plan: The contractor will be required to submit a reclamation plan for the removal of and disposal of all materials off-site at an upland location. The contractor will use excavating equipment to remove any materials from the stream. Heavy-duty trucks, dozers, cranes and various other pieces of mechanical equipment necessary for construction of roadways and pipes will be used on site. All material placed in the stream will be removed at that time. The contractor will have the option of reusing any of the materials that the engineer deems suitable in the construction of the project. After the impervious dikes are no longer needed, all materials will become the property of the contractor.

2. Culvert Installation and Dewatering: Construction of the proposed culvert will consist of a two-phase construction technique. The temporary impacts to the creek will be from the temporary fill associated with the use of impervious dikes, and from the dewatering of the creek. These actions are described in the following paragraphs.

A temporary channel diversion will be constructed at Station 17+50 utilizing impervious dikes to facilitate construction of the culvert. The project will be done in two phases.

- Phase I: The first impervious dike will divert the stream to one side of the existing stream channel to allow the construction of the first two barrels of the culvert. The impervious dike will impact a maximum of 1000 square feet (.02 acres) of streambed.

- Phase II: Upon completion of the first two barrels, the impervious dike will be removed and a second one will be installed that will tie into the existing culvert barrels. This will allow the third barrel to be constructed. The impervious dike for phase II will impact a maximum of 500 square feet (.01 acres).

The impervious dikes may be constructed from a combination of materials that will be selected during the construction of the project in order to minimize the temporary impacts. Methods will be limited to sheet piling, sandbags, concrete traffic barrier, or soil encased in fabric. The area where the culvert will be constructed will be dewatered using a stilling basin or stilling bag that will be located away from the flood zone of the stream.

Restoration Plan: The temporary impact will consist of the above mention activities. Following construction of the temporary channel change, the construction of the impervious dikes will be completed. After completion of the culvert all material used in the construction of the temporary channel change and impervious dikes will be removed. The stream will then be restored to its pre-project contours.

The temporary impact area associated with the construction is expected to recover naturally, since the natural streambed and plant material will not be dramatically impacted. The NCDOT does not propose any additional planting in this area. The fill will be placed and removed with the appropriate equipment.

Schedule: All steps will be taken to minimize stream impacts for Cable Creek. NCDOT will request the contractor to complete construction of the impervious dikes in a timely manner and all exposed areas will be stabilized to prevent erosion. The project schedule calls for a production letting of December 16, 2003 with a date of availability of January 16, 2004. It is expected that the contractor will choose to start construction of the impervious dike for Phase I at that time.

Removal and Disposal Plan: The contractor will be required to submit a reclamation plan for the removal of and disposal of all materials off-site at an upland location. The contractor will use excavating equipment to remove any materials from the stream. Heavy-duty trucks, dozers, cranes and various other pieces of mechanical equipment necessary for construction of roadways and culverts will be used on site. All material placed in the stream will be removed at that time. The contractor will have the option of reusing any of the materials that the engineer deems suitable in the construction of the project. After the impervious dikes are no longer needed, all materials will become the property of the contractor.

Federally-Protected Species

Plants and animals with federal classifications of Endangered, Threatened, Proposed Endangered, and Proposed Threatened are protected under provisions of Section 7 and Section 9 of the Endangered Species Act of 1973, as amended. As of January 29, 2003, the Fish and Wildlife Service (FWS) lists two federally protected species for Randolph County (Table 1).

Table 1. Federally protected species for Randolph County.

Common Name	Scientific Name	Status
Cape Fear Shiner	*Notropis mekistocholas*	Endangered
Schweinitz's sunflower	*Helianthus schweinitzii*	Endangered

Endangered species are in danger of extinction throughout all or a significant portion of its range.

A Biological Conclusion of "No Effect" was reached for both species as reflected in the attached CE dated August 2002. These biological conclusions were based on the results of the July 2002 fish and mussel survey and absence of Schweinitz's sunflower within the project corridor during a November 27, 2000 field survey. An additional survey for Schweinitz's sunflower is scheduled for September 2003.

Regulatory Approvals

Section 404 Permit: This project is being processed by the Federal Highway Administration as a "Categorical Exclusion" in accordance with 23 CFR 771.115(b). Therefore, we do not anticipate requesting an individual permit, but propose to proceed under a Nationwide 23 and 33 as authorized by a Nationwide Permits 23 and 33 (FR number 10, pages 2020-2095; January 15, 2002).

Section 401 Permit: We anticipate 401 General Certification number 3403 and 3366 will apply to this project. In accordance with 15A NCAC 2H .0501(a), we are providing two copies of

this application to the North Carolina Department of Environment and Natural Resources, Division of Water Quality, for their records.

If you have any questions or need additional information, please contact Matt Haney at (919) 715-1428.

Sincerely,

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

w/attachment

Mr. John Dorney, Division of Water Quality (2 copies)
Mr. Travis Wilson, NCWRC
Mr. Gary Jordan, USFWS
Mr. Greg Perfetti, P.E., Structure Design

w/o attachment

Mr. Jay Bennett, P.E., Roadway Design
Mr. Omar Sultan, Programming and TIP
Ms. Debbie Barbour, P.E., Highway Design
Mr. David Chang, P.E., Hydraulics
Mr. Mark Staley, Roadside Environmental
Mr. W. F. Rosser, P. E. Div 8 Engineer
Mr. Art King (Div. 8), DEO
Mr. John Conforti, P.E., Planning Engineer
Mr. David Franklin, USACE, Wilmington (Cover Letter Only)

Office Use Only: Form Version May 2002

USACE Action ID No. _____ **DWQ No.** _____

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

I. Processing

1. Check all of the approval(s) requested for this project:
   - ☒ Section 404 Permit
   - ☐ Section 10 Permit
   - ☐ 401 Water Quality Certification
   - ☐ Riparian or Watershed Buffer Rules
   - ☐ Isolated Wetland Permit from DWQ

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

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

4. If payment into the North Carolina Wetlands Restoration Program (NCWRP) is proposed for mitigation of impacts (verify availability with NCWRP prior to submittal of PCN), complete section VIII and check here: ☐

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

II. Applicant Information

1. Owner/Applicant Information
   Name: NC Department of Transportation
   Mailing Address: 1548 Mail Service Center
   Raleigh, NC 27699-1548
   Telephone Number: 919-733-3141 Fax Number: 919-715-1501
   E-mail Address: _____

2. Agent/Consultant Information (A signed and dated copy of the Agent Authorization letter must be attached if the Agent has signatory authority for the owner/applicant.)
   Name: N/A
   Company Affiliation: _____
   Mailing Address: _____
   Telephone Number: _____ Fax Number: _____
   E-mail Address: _____

III. Project Information

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

1. Name of project: Replacement of Bridge No. 49 over Cable Creek

2. T.I.P. Project Number or State Project Number (NCDOT Only): B-3686

3. Property Identification Number (Tax PIN): N/A

4. Location
   County: Randolph Nearest Town: Asheboro
   Subdivision name (include phase/lot number): N/A
   Directions to site (include road numbers, landmarks, etc.): Bridge is located at the crossing of SR 1320 over Cable Creek in Randolph County, NC.

5. Site coordinates, if available (UTM or Lat/Long): 35° 40'44.74"N / 79°53'48.48"W
   (Note – If project is linear, such as a road or utility line, attach a sheet that separately lists the coordinates for each crossing of a distinct waterbody.)

6. Property size (acres): N/A

7. Nearest body of water (stream/river/sound/ocean/lake): Cable Creek

8. River Basin: Yadkin Pee-Dee
   (Note – this must be one of North Carolina's seventeen designated major river basins. The River Basin map is available at http://h2o.enr.state.nc.us/admin/maps/.)

9. Describe the existing conditions on the site and general land use in the vicinity of the project at the time of this application: The site is located in a rural area of Randolph County surrounded by forested land and residential development.

10. Describe the overall project in detail, including the type of equipment to be used:
The proposed project will consist of replacing the existing bridge with a triple barrel concrete box culvert on existing location. Traffic will be maintained during construction by an on-site detour structure placed to the west side of the existing bridge. Construction equipment will consist of heavy duty trucks, earth moving equipment, and cranes etc.

11. Explain the purpose of the proposed work:Replace substandard bridge over Cable Creek resulting in safer and more efficient traffic operations.

IV. Prior Project History

If jurisdictional determinations and/or permits have been requested and/or obtained for this project (including all prior phases of the same subdivision) in the past, please explain. Include the USACE Action ID Number, DWQ Project Number, application date, and date permits and certifications were issued or withdrawn. Provide photocopies of previously issued permits, certifications or other useful information. Describe previously approved wetland, stream and buffer impacts, along with associated mitigation (where applicable). If this is a NCDOT project, list and describe permits issued for prior segments of the same T.I.P. project, along with construction schedules.

N/A

V. Future Project Plans

Are any future permit requests anticipated for this project? If so, describe the anticipated work, and provide justification for the exclusion of this work from the current application.

N/A

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

It is the applicant's (or agent's) responsibility to determine, delineate and map all impacts to wetlands, open water, and stream channels associated with the project. The applicant must also provide justification for these impacts in Section VII below. All proposed impacts, permanent and temporary, must be listed herein, and must be clearly identifiable on an accompanying site plan. All wetlands and waters, and all streams (intermittent and perennial) must be shown on a delineation map, whether or not impacts are proposed to these systems. Wetland and stream evaluation and delineation forms should be included as appropriate. Photographs may be

included at the applicant's discretion. If this proposed impact is strictly for wetland or stream mitigation, list and describe the impact in Section VIII below. If additional space is needed for listing or description, please attach a separate sheet.

1. Provide a written description of the proposed impacts: The project area contains no jurisdictional wetlands. There will be permanent stream impacts to approximately 52 linear feet (0.008) acres of jurisdictional stream, and 55 linear feet (0.02) acres of temporary stream impact. The impervious dikes used in construction of the culvert will temporarily impact a maximum of 1500 square feet (0.03 ac) of streambed.

2. Individually list wetland impacts below:

Wetland Impact Site Number (indicate on map)	Type of Impact*	Area of Impact (acres)	Located within 100-year Floodplain** (yes/no)	Distance to Nearest Stream (linear feet)	Type of Wetland***
N/A					

* List each impact separately and identify temporary impacts. Impacts include, but are not limited to: mechanized clearing, grading, fill, excavation, flooding, ditching/drainage, etc. For dams, separately list impacts due to both structure and flooding.

** 100-Year floodplains are identified through the Federal Emergency Management Agency's (FEMA) Flood Insurance Rate Maps (FIRM), or FEMA-approved local floodplain maps. Maps are available through the FEMA Map Service Center at 1-800-358-9616, or online at http://www.fema.gov.

*** List a wetland type that best describes wetland to be impacted (e.g., freshwater/saltwater marsh, forested wetland, beaver pond, Carolina Bay, bog, etc.) Indicate if wetland is isolated (determination of isolation to be made by USACE only).

List the total acreage (estimated) of all existing wetlands on the property: 0 ac
Total area of wetland impact proposed: 0 ac

3. Individually list all intermittent and perennial stream impacts below:

Stream Impact Site Number (indicate on map)	Type of Impact*	Length of Impact (linear feet)	Stream Name**	Average Width of Stream Before Impact	Perennial or Intermittent? (please specify)
1	Permanent Fill	52'	Cable Creek	30'	Perennial
1	Temporary Fill	55'	Cable Creek	30'	Perennial
1	Dewatering	50'	Cable Creek	30'	Perennial

* List each impact separately and identify temporary impacts. Impacts include, but are not limited to: culverts and associated rip-rap, dams (separately list impacts due to both structure and flooding), relocation (include linear feet before and after, and net loss/gain),

stabilization activities (cement wall, rip-rap, crib wall, gabions, etc.), excavation, ditching/straightening, etc. If stream relocation is proposed, plans and profiles showing the linear footprint for both the original and relocated streams must be included.

** Stream names can be found on USGS topographic maps. If a stream has no name, list as UT (unnamed tributary) to the nearest downstream named stream into which it flows. USGS maps are available through the USGS at 1-800-358-9616, or online at www.usgs.gov. Several internet sites also allow direct download and printing of USGS maps (e.g., www.topozone.com, www.mapquest.com, etc.).

Cumulative impacts (linear distance in feet) to all streams on site: 52'

4. Individually list all open water impacts (including lakes, ponds, estuaries, sounds, Atlantic Ocean and any other water of the U.S.) below:

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

* List each impact separately and identify temporary impacts. Impacts include, but are not limited to: fill, excavation, dredging, flooding, drainage, bulkheads, etc.

5. Pond Creation

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

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

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

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

Size of watershed draining to pond: N/A Expected pond surface area: N/A

VII. Impact Justification (Avoidance and Minimization)

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

The existing structure will be replaced with a triple barrel reinforced concrete box culvert on existing location. Traffic will be maintained during construction by an on-site detour structure placed to the west side of the existing bridge. There is no suitable off-site detour for the volume of traffic on SR 1320.

VIII. Mitigation

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

USACE – In accordance with the Final Notice of Issuance and Modification of Nationwide Permits, published in the Federal Register on March 9, 2000, mitigation will be required when necessary to ensure that adverse effects to the aquatic environment are minimal. Factors including size and type of proposed impact and function and relative value of the impacted aquatic resource will be considered in determining acceptability of appropriate and practicable mitigation as proposed. Examples of mitigation that may be appropriate and practicable include, but are not limited to: reducing the size of the project; establishing and maintaining wetland and/or upland vegetated buffers to protect open waters such as streams; and replacing losses of aquatic resource functions and values by creating, restoring, enhancing, or preserving similar functions and values, preferable in the same watershed.

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

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

2. Mitigation may also be made by payment into the North Carolina Wetlands Restoration Program (NCWRP). Please note it is the applicant's responsibility to contact the NCWRP at (919) 733-5208 to determine availability and to request written approval of mitigation prior to submittal of a PCN. For additional information regarding the application process for the

NCWRP, check the NCWRP website at http://h2o.enr.state.nc.us/wrp/index.htm. If use of the NCWRP is proposed, please check the appropriate box on page three and provide the following information:

Amount of stream mitigation requested (linear feet): N/A
Amount of buffer mitigation requested (square feet): N/A
Amount of Riparian wetland mitigation requested (acres): N/A
Amount of Non-riparian wetland mitigation requested (acres): N/A
Amount of Coastal wetland mitigation requested (acres): N/A

IX. Environmental Documentation (required by DWQ)

Does the project involve an expenditure of public (federal/state) funds or the use of public (federal/state) land?

Yes ☒ No ☐

If yes, does the project require preparation of an environmental document pursuant to the requirements of the National or North Carolina Environmental Policy Act (NEPA/SEPA)? Note: If you are not sure whether a NEPA/SEPA document is required, call the SEPA coordinator at (919) 733-5083 to review current thresholds for environmental documentation.

Yes ☒ No ☐

If yes, has the document review been finalized by the State Clearinghouse? If so, please attach a copy of the NEPA or SEPA final approval letter.

Yes ☒ No ☐

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

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

Will the project impact protected riparian buffers identified within 15A NCAC 2B .0233 (Neuse), 15A NCAC 2B .0259 (Tar-Pamlico), 15A NCAC 2B .0250 (Randleman Rules and Water Supply Buffer Requirements), or other (please identify_____)?

Yes ☐ No ☒ If you answered "yes", provide the following information:

Identify the square feet and acreage of impact to each zone of the riparian buffers. If buffer mitigation is required calculate the required amount of mitigation by applying the buffer multipliers.

Zone*	Impact (square feet)	Multiplier	Required Mitigation
1		3	
2		1.5	
Total			

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

If buffer mitigation is required, please discuss what type of mitigation is proposed (i.e., Donation of Property, Conservation Easement, Riparian Buffer Restoration / Enhancement, Preservation or Payment into the Riparian Buffer Restoration Fund). Please attach all appropriate information as identified within 15A NCAC 2B .0242 or .0260.
No mitigation required.

XI. Stormwater (required by DWQ)

Describe impervious acreage (both existing and proposed) versus total acreage on the site. Discuss stormwater controls proposed in order to protect surface waters and wetlands downstream from the property.
N/A

XII. Sewage Disposal (required by DWQ)

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

XIII. Violations (required by DWQ)

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

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

XIV. Other Circumstances (Optional):

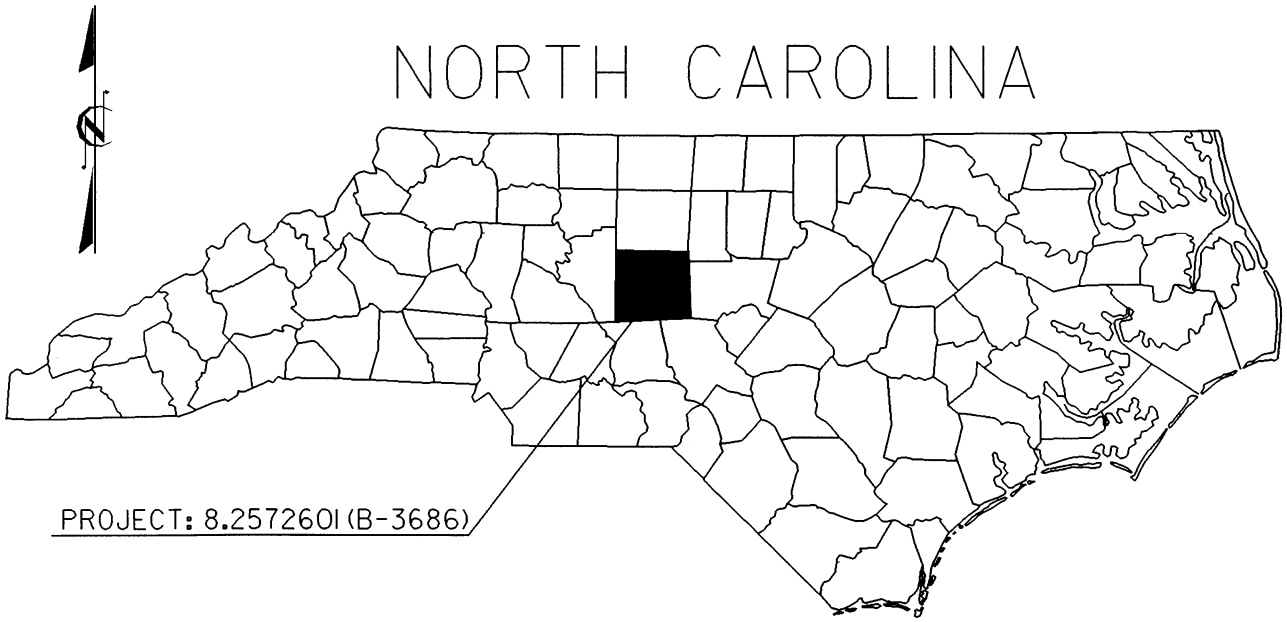
It is the applicant's responsibility to submit the application sufficiently in advance of desired construction dates to allow processing time for these permits. However, an applicant may choose to list constraints associated with construction or sequencing that may impose limits on work schedules (e.g.,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

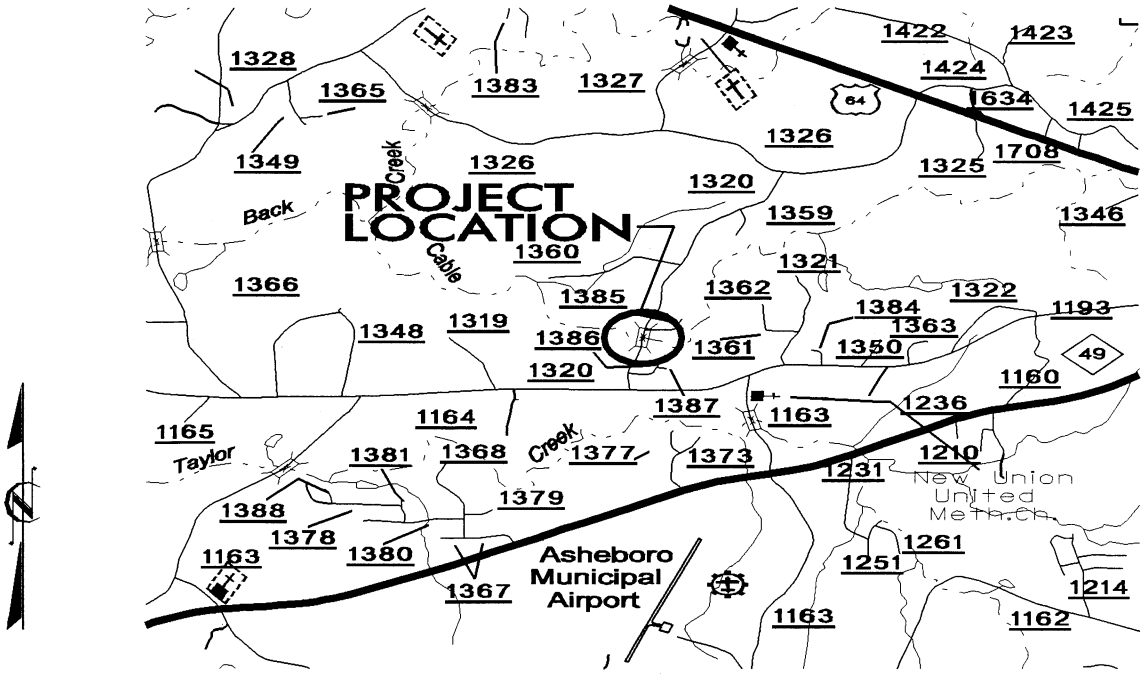
N/A

10/13/03

Applicant/Agent's Signature **Date**

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



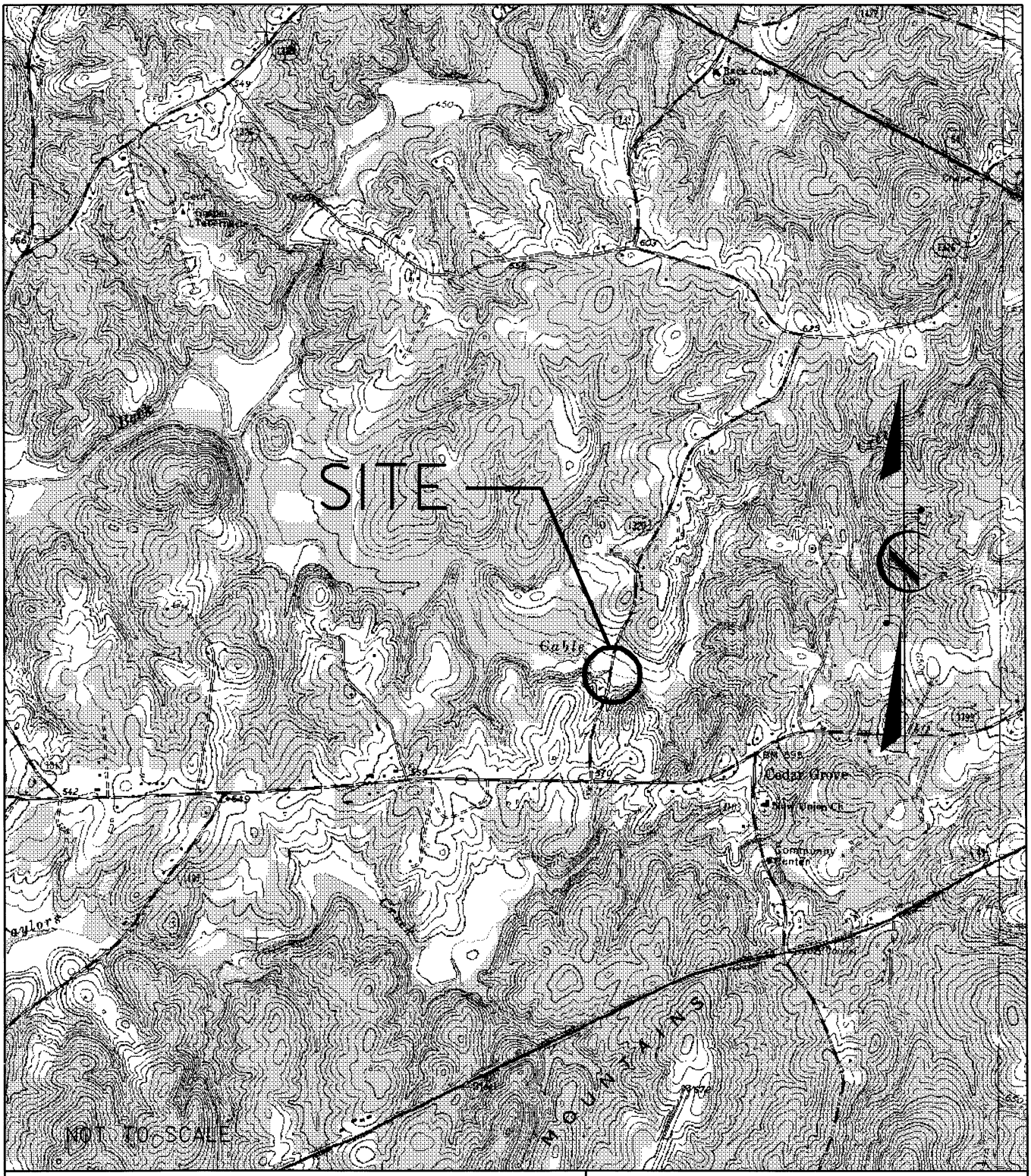


VICINITY MAPS

NCDOT

DIVISION OF HIGHWAYS
RANDOLPH COUNTY
PROJECT: 8.2572601 (B-3686)

REPLACE BRIDGE #49 OVER CABLE CREEK ON SR 1320



LOCATION MAP

N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RANDOLPH COUNTY

PROJECT: 8.2572601 (B-3686)

REPLACE BRIDGE #49 OVER CABLE CREEK ON SR 1320

SHEET 2 OF 5

5/16/03

WETLAND LEGEND

WLB — WETLAND BOUNDARY

WETLAND

DENOTES FILL IN WETLAND

DENOTES FILL IN SURFACE WATER

DENOTES FILL IN SURFACE WATER (POND)

DENOTES TEMPORARY FILL IN WETLAND

DENOTES EXCAVATION IN WETLAND

DENOTES TEMPORARY FILL IN SURFACE WATER

DENOTES MECHANIZED CLEARING

FLOW DIRECTION

TB — TOP OF BANK

WE — EDGE OF WATER

C — PROP. LIMIT OF CUT

F — PROP. LIMIT OF FILL

PROP. RIGHT OF WAY

NG — NATURAL GROUND

PL — PROPERTY LINE

TDE — TEMP. DRAINAGE EASEMENT

PDE — PERMANENT DRAINAGE EASEMENT

EAB — EXIST. ENDANGERED ANIMAL BOUNDARY

EPB — EXIST. ENDANGERED PLANT BOUNDARY

WATER SURFACE

LIVE STAKES

BOULDER

COIR FIBER ROLLS

PROPOSED BRIDGE

PROPOSED BOX CULVERT

PROPOSED PIPE CULVERT
12"-48" PIPES
54" PIPES & ABOVE

(DASHED LINES DENOTE EXISTNG STRUCTURES)

SINGLE TREE

WOODS LINE

DRAINAGE INLET

ROOTWAD

RIP RAP

5 — ADJACENT PROPERTY OWNER OR PARCEL NUMBER IF AVAILABLE

PREFORMED SCOUR HOLE

LEVEL SPREADER (LS)

DITCH / GRASS SWALE

NCDOT

DIVISION OF HIGHWAYS

RANDOLPH COUNTY

PROJECT: 8.2572601 (B-3686)

REPLACE BRIDGE #49 OVER CABLE CREEK ON SR 1320

WETLAND PERMIT IMPACT SUMMARY

			WETLAND IMPACTS				SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation In Wetlands (ac)	Mechanized Clearing (Method III) (ac)	Fill In SW (Natural) (ac)	Fill In SW (Pond) (ac)	Temp. Fill In SW (ac)	Existing Channel Impacted (ft)	Natural Stream Design (ft)
1	17+73-L-	3@10'x9' RCBC					0.008			52	
	17+84-DET-	3@72" CSP							0.02	55	
TOTALS:			0	0	0	0	0.008	0	0.02	107	0

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

RANDOLPH COUNTY
PROJECT 8.2572601 B3686

SHEET 4 OF 5 5/16/03

Form Revised 3/22/01

PROPERTY OWNERS

NAMES AND ADDRESSES

PARCEL NO.	NAMES	ADDRESSES
2	RONNIE CHANEY	1732 FALL CREEK RD. BENNETT, N.C. 27208
3	JAMES PENDELL	1246 CABLE CREEK RD. ASHEBORO, N.C. 27203
5	ROBIN WATSON	1307 CABLE CREEK RD. ASHEBORO, N.C. 27203
6	RITCHIE HOGAN	2253 CEDAR WOOD CT. ASHEBORO, N.C. 27203

NCDOT

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