



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

April 19, 2005

North Carolina Division of Water Quality  
1650 Mail Service Center  
Raleigh, NC 27699-1650

ATTN: Mr. Brian Wrenn  
NCDOT Coordinator

Dear Sir:

**SUBJECT: General Permit 31 Application.** Replacement of Bridge No. 264 over Branch of Irish Buffalo Creek on SR 1745 (Oakwood Avenue), Cabarrus County. Federal Aid Project No. BRSTP-1745(2), State Project No. 8.2663101, TIP Project No. B-3424.

Please reference the Nationwide 23 and 33 permit application for this project dated March 30, 2004 (attached). This bridge replacement was originally applied for under a NW 23 and 33. On July 29, 2004, the U.S. Army Corps of Engineers issued a General Permit 31, Action ID 200430807. There are no additional impacts to the Branch of Irish Buffalo Creek.

**Regulatory Approvals**

We are hereby requesting a 401 Water Quality Certification (WQC # 3404) from the Division of Water Quality. In compliance with Section 143-215.3D(e) of the NCAC we will provide \$475.00 to act as payment for processing the Section 401 permit application previously noted in this application. We are providing seven copies of this application to the North Carolina Department of Environment and Natural Resources, Division of Water Quality, for their review.

A copy of this permit application will be posted on the DOT website at: <http://www.ncdot.org/planning/pe/naturalunit/Permit.html>.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS  
1548 MAIL SERVICE CENTER  
RALEIGH NC 27699-1548

TELEPHONE: 919-733-3141  
FAX: 919-733-9794

WEBSITE: [WWW.DOH.DOT.STATE.NC.US](http://WWW.DOH.DOT.STATE.NC.US)

**LOCATION:**  
TRANSPORTATION BUILDING  
1 SOUTH WILMINGTON STREET  
RALEIGH NC

If you have any questions or need additional information, please contact Mr. Chris Underwood at (919) 715-1451 or [csunderwood@dot.state.nc.us](mailto:csunderwood@dot.state.nc.us).

Sincerely,



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

Mr. John Hennessy, Division of Water Quality (7 copies)  
Ms. Marella Buncick, USFWS  
Ms. Marla Chambers, NCWRC  
Mr. Jay Bennett, P.E., Roadway Design  
Mr. Omar Sultan, Programming and TIP  
Mr. Art McMillan, P.E., Highway Design  
Mr. David Chang, P.E., Hydraulics  
Mr. Greg Perfetti, P.E., Structure Design  
Mr. Mark Staley, Roadside Environmental  
Mr. John F. Sullivan, III, FHWA  
Mr. B. G. Payne, P.E., Division Engineer  
Mr. Larry Thompson, DEO  
Mr. David Franklin, USACE, Wilmington (Cover Letter only)  
Ms. Stacy Baldwin, P.E.



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SECRETARY

March 30, 2004

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

ATTN: Mr. Steve Lund  
NCDOT Coordinator

Dear Sir:

**SUBJECT: Nationwide 23 and 33 Permit Applications.** Replacement of Bridge No. 264 over Branch of Irish Buffalo Creek on SR 1745 (Oakwood Avenue), Cabarrus County. Federal Aid Project No. BRSTP-1745(2), State Project No. 8.2663101, TIP Project No. B-3424.

The NC Department of Transportation (NCDOT) proposes to replace existing Bridge No. 264 over Branch of Irish Buffalo Creek on SR 1745 (Oakwood Avenue). The project involves replacing Bridge No. 264 in-place with a two-barrel, 10-foot wide by 8-foot high (3.0 meter by 2.4 meter) reinforced box culvert over Branch of Irish Buffalo Creek (DWQ Index # 13-17-9(2), Class "C"). The proposed culvert design also contains a 3-foot (0.9-meter) sill in the right barrel. SR 1745 will be widened to a 24-foot (7.2-meter) pavement width to provide two 12-foot (3.6 meter) lanes and an 8-foot (2.4 meter) shoulder on each side with 4-feet (1.2 meters) of the shoulder paved. Improvements will be required for a distance of approximately 275-feet (84 meters) to the north and 450-feet (138 meters) to the south of the structure.

The project involves replacing Bridge No. 264 along the existing roadway alignment. Traffic will be detoured off-site along existing roadways SR 1625, SR 1008, SR 1790 and SR 1778 during construction.

**IMPACTS TO WATERS OF THE UNITED STATES**

The replacement of Bridge No. 264 over Branch of Irish Buffalo Creek will result in permanent impacts of 0.03 acres of fill and 115-feet (35.1-meters) of linear impacts of the existing stream channel due to the installation of the proposed culvert.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS  
1548 MAIL SERVICE CENTER  
RALEIGH NC 27699-1548

TELEPHONE: 919-733-3141  
FAX: 919-733-9794

**WEBSITE:** [WWW.DOH.DOT.STATE.NC.US](http://WWW.DOH.DOT.STATE.NC.US)

**LOCATION:**  
TRANSPORTATION BUILDING  
1 SOUTH WILMINGTON STREET  
RALEIGH NC

## BRIDGE DEMOLITION

The existing Bridge No. 264 is a one-span structure totaling 36-feet (11.0-meters) with a clear roadway width of 19.2-feet (5.9-meters). The superstructure consists of a timber deck on steel I-beams. The abutments consist of timber caps, piles, and bulkheads. The depth from roadway crown to the streambed is approximately 10-feet (3.0-meters). Potential adverse effects will be minimized through the use of the NCDOT Best Management Practices for Protection of Surface Waters and the use of Erosion and Sediment Control Guidelines for Contract Construction.

## BRIDGE CONSTRUCTION

Bridge No. 264 will be replaced with a two-barrel 10-foot by 8-foot (3.0-meter by 2.4-meter) reinforced concrete box culvert with a 3-foot (0.9-meter) sill in the right barrel. Construction of the culvert will require dewatering of a natural stream channel.

## DEWATERING

There will be 0.03 acres of surface water impacts in Branch of Irish Buffalo Creek from the construction of the proposed culvert for the replacement of Bridge No. 264. The area of permanent impacts will result from fill from the installation of the two-barrel 10-foot by 8-foot (3.0 meter by 2.4 meter) reinforced concrete box culvert in the existing stream channel. Refer to the enclosed construction sequence.

In addition, 115-feet (35.1-meters) of linear existing stream channel will be impacted due to the installation of the proposed culvert.

It is assumed that the contractor will begin construction of the proposed culvert shortly after the date of availability for the project. The Let date is July 20, 2004 with a date of availability of August 23, 2004.

## FEDERALLY-PROTECTED SPECIES

Plants and animals with federal classifications of Endangered, Threatened, Proposed Endangered, and Proposed Threatened are protected under Endangered Species Act §§7 and 9. As of February 5, 2003, the US Fish and Wildlife Service (USFWS) lists two federally protected species for Cabarrus County (Table 1). Biological conclusions of "No Effect" were reached for all listed.

**Table 1. Federally Protected Species for Cabarrus County**

SCIENTIFIC NAME	COMMON NAME	STATUS	BIOLOGICAL CONCLUSION
<i>Helianthus schweinitzii</i>	Schweinitz's sunflower	E	No Effect
<i>Lasmigona decorata</i>	Carolina heelsplitter	E	No Effect

KEY: "E" Denotes Endangered (a species that is in danger of extinction throughout all or a significant portion of its range).

A preconstruction survey will be required for Schweinitz's sunflower (*Helianthus schweinitzii*).

## REGULATORY APPROVALS

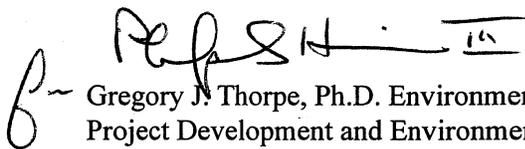
Section 404 Permit: Aspects of this project are being processed by the Federal Highway Administration as a "Categorical Exclusion" in accordance with 23 CFR 771.115(b). Therefore, we do not anticipate requesting an individual permit, but propose to proceed under a Nationwide 23 and 33 as authorized by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

Section 401 Permit: We anticipate 401 General Certifications number 3361 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.

A copy of this permit application will be posted on the DOT website at: <http://www.ncdot.org/planning/pe/naturalunit/Permit.html>.

If you have any questions or need additional information, please contact Mr. Chris Underwood at (919) 715-1451 or [csunderwood@dot.state.nc.us](mailto:csunderwood@dot.state.nc.us).

Sincerely,



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

- Lund*
- ✓ Mr. John Hennessy, Division of Water Quality (2 copies)
  - ✓ Ms. Marella Buncick, USFWS
  - ✓ Ms. Marla Chambers, NCWRC
  - ✓ Mr. Jay Bennett, P.E., Roadway Design
  - Mr. Omar Sultan, Programming and TIP
  - Mr. Art McMillan, P.E., Highway Design
  - Mr. David Chang, P.E., Hydraulics
  - Mr. Greg Perfetti, P.E., Structure Design
  - Mr. Mark Staley, Roadside Environmental
  - ✓ Mr. John F. Sullivan, III, FHWA
  - ✓ Mr. B. G. Payne, P.E., Division Engineer
  - ✓ Mr. Larry Thompson, DEO
  - ✓ Mr. David Franklin, USACE, Wilmington (Cover Letter only)
  - ✓ Ms. Stacy Baldwin, P.E.

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  Riparian or Watershed Buffer Rules
- Section 10 Permit  Isolated Wetland Permit from DWQ
- 401 Water Quality Certification

2. Nationwide, Regional or General Permit Number(s) Requested: **NWPs 23 and 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: **NCDOT/Project Development & Environmental Analysis Branch/ Greg Thorpe**

Mailing Address: **1548 Mail Service Center, Raleigh, NC 27699-1548**

Telephone Number: **919-733-3141**

Fax Number: **919-733-9794**

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: \_\_\_\_\_

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. 264 over Branch of Irish Buffalo Creek on SR 1745
2. T.I.P. Project Number or State Project Number (NCDOT Only): B-3424
3. Property Identification Number (Tax PIN): \_\_\_\_\_
4. Location  
County: Cabarrus Nearest Town: Kannapolis  
Subdivision name (include phase/lot number): \_\_\_\_\_  
Directions to site (include road numbers, landmarks, etc.): I-85 S from Raleigh to SR 1790 to SR 1778 to SR 1745 crossing
5. Site coordinates, if available (UTM or Lat/Long): 35°27.23'N, 80°38.47'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): \_\_\_\_\_
7. Nearest body of water (stream/river/sound/ocean/lake): Branch of Irish Buffalo Creek (Class C)
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: Highway corridor with roadway shoulders  
\_\_\_\_\_  
\_\_\_\_\_

10. Describe the overall project in detail, including the type of equipment to be used: Replace Bridge No. 264 with a culvert. Heavy duty excavation equipment such as trucks, dozers, cranes, and other equipment necessary for roadway equipment.

11. Explain the purpose of the proposed work: Public Transportation

**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.

**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.

No

**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:

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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***
<b>No Impacts</b>					

- \* 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  
 Total area of wetland impact proposed: 0

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)
<b>1</b>	<b>Riprap/culvert</b>	<b>115</b>	<b>Br. Irish Buffalo Cr.</b>	<b>3.5 ft</b>	<b>Perennial</b>

- \* 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](http://www.usgs.gov). Several internet sites also allow direct download and printing of USGS maps (e.g., [www.topozone.com](http://www.topozone.com), [www.mapquest.com](http://www.mapquest.com), etc.).

Cumulative impacts (linear distance in feet) to all streams on site: 115

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.)

\* 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.): \_\_\_\_\_

Size of watershed draining to pond: \_\_\_\_\_ Expected pond surface area: \_\_\_\_\_

**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.

**Standard NCDOT Construction Practices**

**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.

**Stream mitigation is not proposed for this project. No stream impacts exceed 150 ft of a single crossing or multiple crossings of the same stream.**

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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.

N/A

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**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

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**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

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**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 NoX

**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).

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*RLP*

3/29/04

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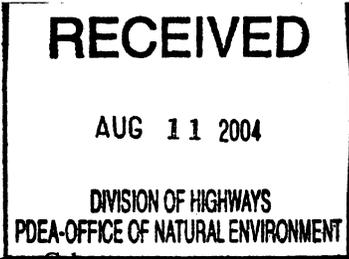
**Applicant/Agent's Signature**

**Date**

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



Underwood



**U.S. ARMY CORPS OF ENGINEERS  
WILMINGTON DISTRICT**

Action Id. **200430807**

County: Cabarrus

**GENERAL PERMIT (REGIONAL AND NATIONWIDE) VERIFICATION**

Property owner: North Carolina Department of Transportation

Address: Attn: Gregory J. Thorpe, Director, Project Development and Environmental Analysis Branch, 1548 Mail Service Center, Raleigh, NC 27699-1548

Telephone No.: (919) 733-3141

Size and Location of project (water body, road name/number, town, etc.):

Bridge No. 264 on SR 1745 (Oakwood Avenue) over Branch Irish Buffalo Creek near Kannapolis, TIP B-3424

Description of Activity:

**Replace Bridge No. 264 with a double-barrel, 10-foot by 8-foot concrete box culvert at the same location. Utilize temporary dikes or diversion channels for dewatering of the construction area. The project would result in a total of 115 linear feet of permanent impacts and 65 linear feet of temporary impacts to perennial channel. Traffic would be detoured on existing roads during construction. SPECIAL CONDITION: All temporary fill will be removed from the channel and disposed of on uplands outside of any floodplain.**

Applicable Law:   X   Section 404 (Clean Water Act, 33 U.S.C.1344).

(check all that apply)        Section 10 (River and Harbor Act of 1899).

Authorization:   198200031   Regional General Permit Number.

                   Nationwide Permit Number.

Your work is authorized by this Regional General (RGP) or Nationwide Permit (NWP) provided it is accomplished in strict accordance with the attached conditions and your submitted plans. If your activity is subject to Section 404 (if Section 404 block above is checked), before beginning work you must also receive a Section 401 water quality certification from the N.C. Division of Environmental Management, telephone (919) 733-1786.

Please read and carefully comply with the attached conditions of the RGP or NWP. Any violation of the conditions of the RGP or the NWP referenced above may subject the permittee to a stop work order, a restoration order, and/or appropriate legal action.

This Department of the Army RGP or NWP verification does not relieve the permittee of the responsibility to obtain any other required Federal, State, or local approvals/permits. The permittee may need to contact appropriate State and local agencies before beginning work.

If there are any questions regarding this authorization or any of the conditions of the General Permit or Nationwide Permit, please contact the Corps Regulatory Official specified below.

Date   July 29, 2004  

Corps Regulatory Official   Steven Lund   *SWL* Telephone No.   (828) 271-7980  

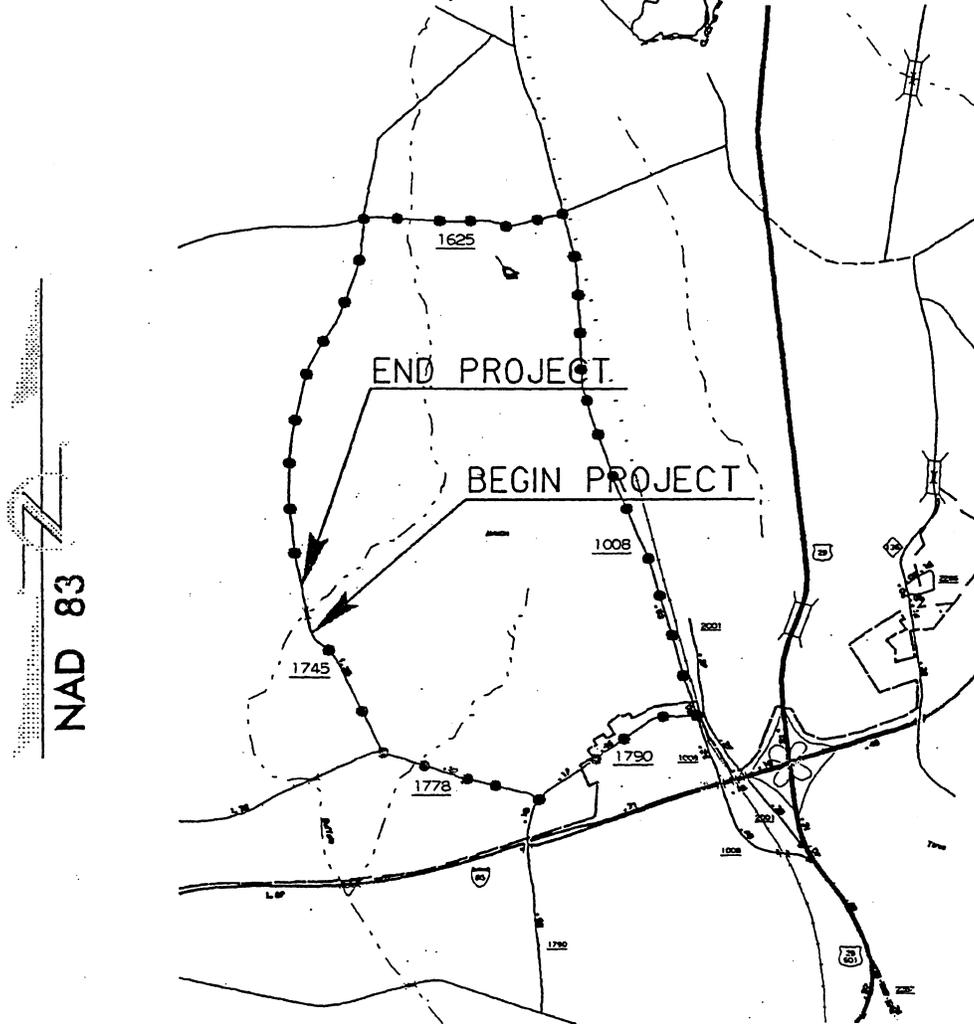
Expiration Date of Verification   July 29, 2006  

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

# NORTH CAROLINA



Cabarrus County



## VICINITY MAP

LEGEND:

—●●●●— OFF-SITE DETOUR ROUTE

### NCDOT

DIVISION OF HIGHWAYS

CABARRUS COUNTY

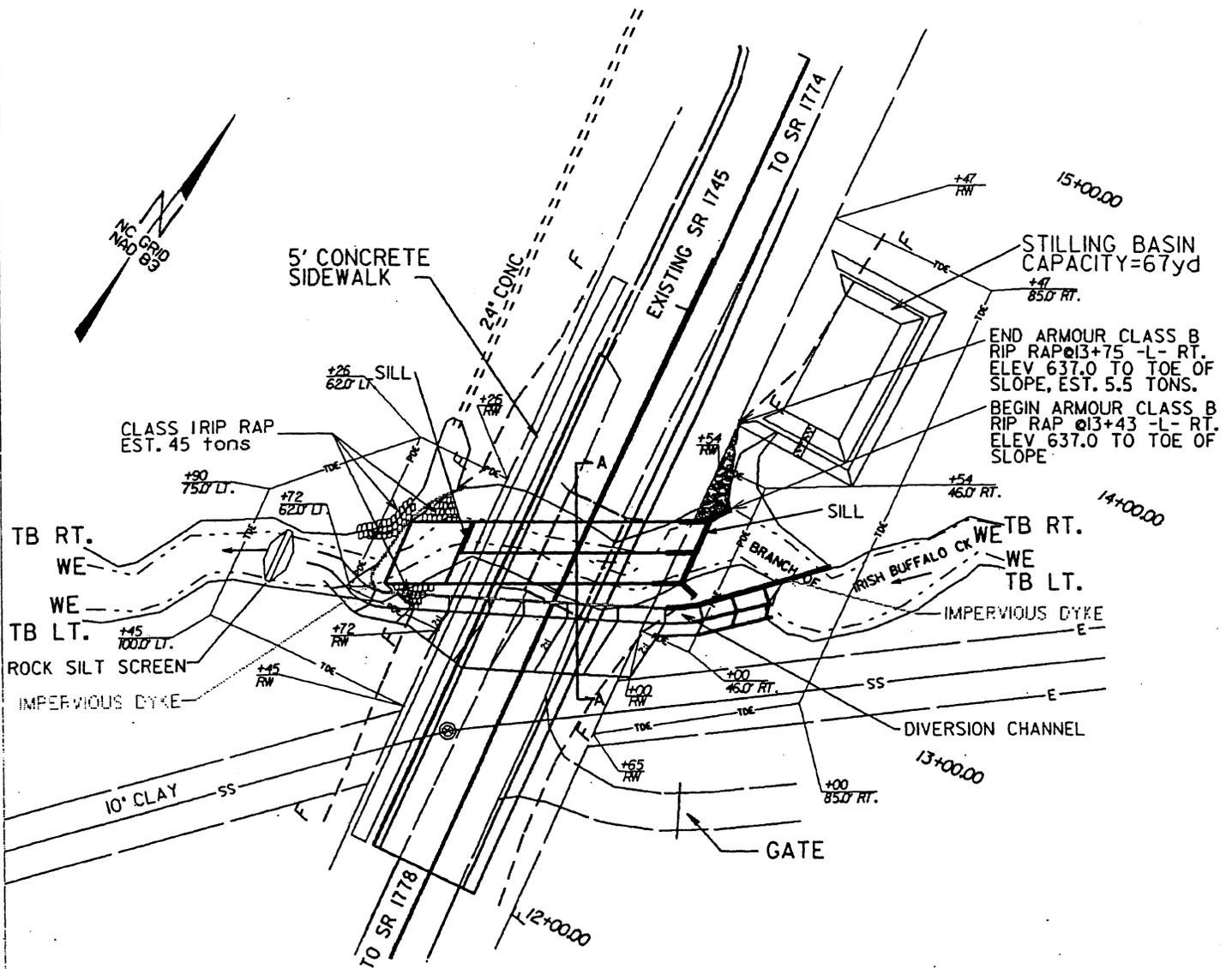
PROJECT: 33050.1.1 (B-3424)

BRIDGE 264 ON SR 1745

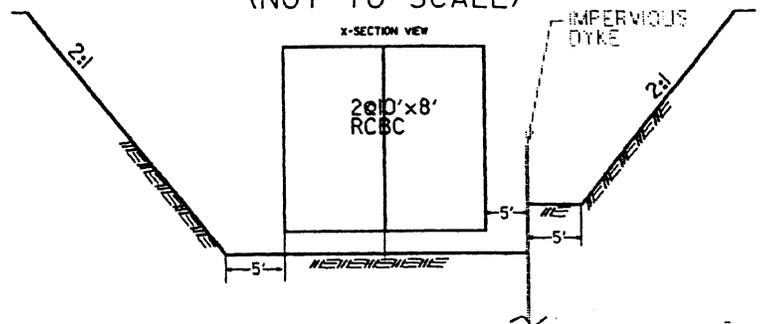
OVER BRANCH IRISH

BUFFALO CREEK

REVISED 5/30/01  
 B-3424 CABARRUS COUNTY  
 CONSTRUCTION SEQUENCE  
 (2@10'x8'RCBC)



SECTION A-A  
 (NOT TO SCALE)



KEY:	
---	IMPERVIOUS DYKE
---	PROPOSED
---	REVISED 05/30/01

