



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

February 7, 2007

MEMORANDUM TO: Mr. C. E. Lassiter, Jr., PE
Division Two Engineer

FROM: Philip S. Harris, III, P.E., Unit Head *PHS*
Natural Environment Unit
Project Development and Environmental Analysis Branch

SUBJECT: Craven County, Replace Bridge No.74 on SR 1650 over
Branch of Upper Broad Creek; T.I.P. Number B-4088;
Federal Aid Project BRZ-1615(2); State Project 8.2171301

Attached is the modified U. S. Army Corps of Engineers 404 Nationwide Permit Number 23 for the above referenced project. All environmental permits have been received for the construction of this project.

PSH/gyb

Attachment

Cc:

Mr. Majed Alghandour, P. E., Programming and TIP
Mr. Jay Bennett, P.E., Roadway Design
Dr. David Chang, P.E., Hydraulics
Mr. Randy Garris, P.E. State Contract Officer
Mr. Art McMillan, P.E., Highway Design
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. John F. Sullivan, FHWA
Mr. Rob Hanson, P.E., PDEA Eastern Region Unit Head
Mr. Jay B. Johnson, Division Environmental Officer

PROJECT COMMITMENTS

Craven County
Bridge No. 74 on SR 1650
Over Branch of Upper Broad Creek
Federal-aid Project No. BRZ-1615(2),
State Project No. 8.2171301
WBS No. 33446.1.1
T.I.P. No. B-4088

In addition to the Nationwide Permit 23 Conditions, the General Nationwide Permit Conditions, Section 404 Only Conditions, Regional Conditions, State Consistency Conditions, NCDOT's Guidelines for Best Management Practices for Bridge Demolition and Removal, NCDOT's Best Management Practices for Protection of Surface Waters, General Certification Conditions, and Section 401 Conditions of Certification, the following special commitments have been agreed to by NCDOT:

Commitments Developed through Project Development

All Pre-Construction Units / Resident Engineer – EMS Concerns

Craven County EMS has indicated that SR 1615 is a critical route. Road closure is tolerable but its duration should be kept to a minimum. All aspects of design and construction should facilitate the shortest reasonable duration of road closure.

Resident Engineer – EMS Notification

Craven County EMS must be provided a minimum 2 weeks notice prior to road closure.

All Pre-Construction Units / Resident Engineer – Anadromous Fish

The North Carolina Division of Marine Fisheries has indicated that a moratorium on in-water construction will be in place from February 15 to June 30 of any given year.

The "Stream Crossing Guidelines for Anadromous Fish Passage" will be implemented, as applicable.

Resident Engineer – School Bus Turnaround

Prior to the Construction Letting, the Division will coordinate with school bus officials to establish a turnaround for busses during the period of construction.

Commitments Developed through Permitting

Division 2 Construction / REU

According to the modification request, permanent impacts to jurisdictional waters will not change as a result of these modifications; however, an additional temporary wetland impact of 0.025 acre

is necessary for the installation of erosion control devices within areas permitted as “hand-clearing”. The erosion control devices to be installed will include a combination of standard Temporary Silt Fence, Special Sediment Control Fence, and Temporary Rock Silt Checks Type-A with filter fabric under the rock checks to allow recovery of the stone.

The USACE considers the construction plans to be modified as requested and has included the submitted plans as part of the file. It is understood that all conditions of the original permit remain applicable and that the expiration date is unchanged. In addition, DOT shall require its contractors to comply with the “Temporary Fill in Wetlands for Erosion & Sediment Control Measures” submitted with the modification request.

Subject: B-4088, Bridge 74 on SR 1615, Morgan Swamp (UNCLASSIFIED)

Date: Tue, 6 Feb 2007 16:17:21 -0500

From: "Wescott, William G SAW" <William.G.Wescott@saw02.usace.army.mil>

To: "Tyler P. Stanton" <tstanton@dot.state.nc.us>

Classification: **UNCLASSIFIED**

Caveats: NONE

USACE ID SAW-2006-41531-125

According to the modification request, permanent impacts to jurisdictional waters will not change as a result of these modifications; however, an additional temporary wetland impact of 0.025 acre is necessary for the installation of erosion control devices within areas permitted as "hand-clearing". The erosion control devices to be installed will include a combination of standard Temporary Silt Fence, Special Sediment Control Fence, and Temporary Rock Silt Checks Type-A with filter fabric under the rock checks to allow recovery of the stone.

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If you have any questions please call me at 252-975-1616 ext. 31.

William Wescott

Classification: **UNCLASSIFIED**

Caveats: NONE

Temporary Fill in Wetlands for Erosion & Sediment Control Measures:

The areas permitted for Mechanized or Hand Clearing in Wetlands on this project will include zones for Temporary Fill in Wetlands for Erosion & Sediment Control Measures. The Erosion and Sediment Control Measures that are considered temporary fill includes Special Sediment Control Fence and/or Temporary Rock Silt Check(s) Type A.

Special Sediment Control Fence:

Special Sediment Control Fence shall be placed as shown on the plans or as directed by the Engineer. The Special Sediment Control Fence shall consist of steel posts, ¼ inch hardware cloth, and sediment control stone. The sections of Special Sediment Control Fence shall serve as drainage outlets for Silt Fence and each section shall not exceed 10 ft. (3 m) in length and 2 ft. in width (0.6 m).

Materials:

(A) Posts:

Steel posts shall be at least 5 feet (1.5 m) in length, approximately 1 3/8 inches (35 mm) wide measured parallel to the fence, and have a minimum weight of 1.25 lb/ft (1.86 kg/m) of length. The post shall be equipped with an anchor plate having a minimum area of 14.0 square inches (9000 square millimeters), and shall have a means of retaining wire in the desired position without displacement.

(B) 1/4 inch (6.4mm) Hardware Cloth:

Hardware cloth shall have 1/4 inch (6.4mm) openings constructed from #24 gauge wire. The hardware cloth shall be installed according to Standard Drawing No. 1606.01 with a minimum of 2 ft. (0.6m) of the cloth placed on the ground beneath the Sediment Control Stone.

(C) Sediment Control Stone:

Sediment control stone shall meet the requirements of Section 1005 of the 2002 Standard Specifications for Roads and Structures. Install stone according to Standard Drawing No. 1606.01.

Maintenance and Removal:

The Contractor shall maintain the special sediment control fence until the project is accepted or until the fence is removed. The Contractor shall remove and dispose of silt accumulations at the fence when so directed by the Engineer in accordance with Section 1630 of the 2002 Standard Specifications for Roads and Structures. The special sediment

control fence shall be removed at the completion of the project, and any earth disturbance inside the Mechanized Clearing area shall be seeded with native grasses.

Temporary Rock Silt Check Type A:

Temporary Rock Silt Checks Type A shall be placed as shown on the plans or as directed by the Engineer. The Type A Checks will be rock dams constructed of Class B stone, with sediment control stone placed on the flow side, and filter fabric underneath. Temporary Rock Silt Checks Type A shall serve as drainage outlets for Silt Fence and shall be constructed according to Standard Drawing No. 1633.01.

Materials:

(A) Class B Stone:

Class B stone shall meet the requirements of Section 1005 of the 2002 Standard Specifications for Roads and Structures. Install stone according to Standard Drawing No. 1633.01.

(B) Sediment Control Stone:

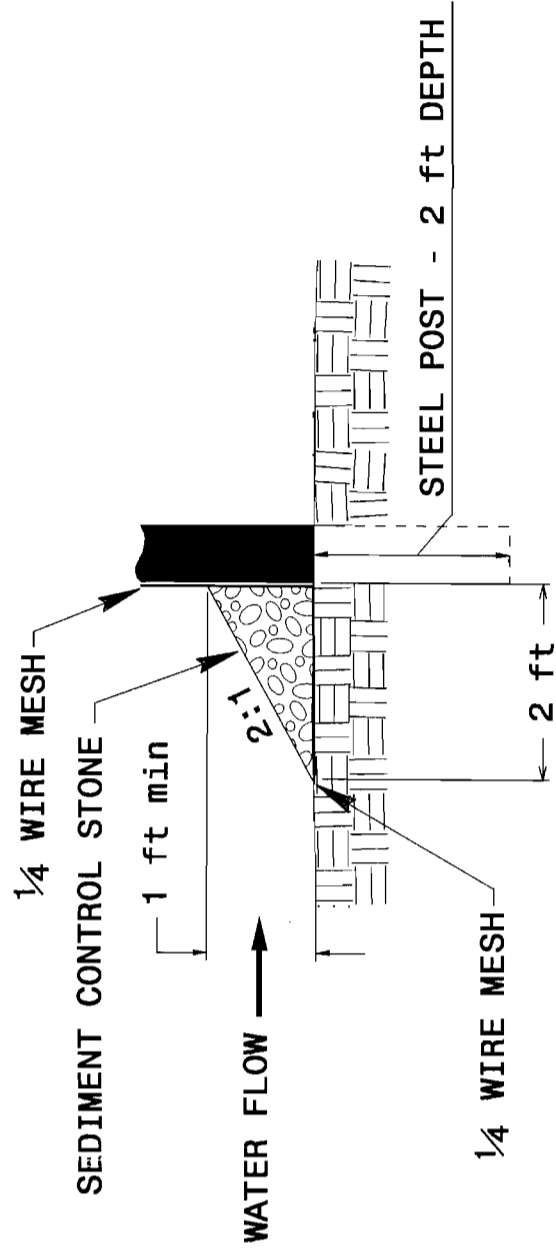
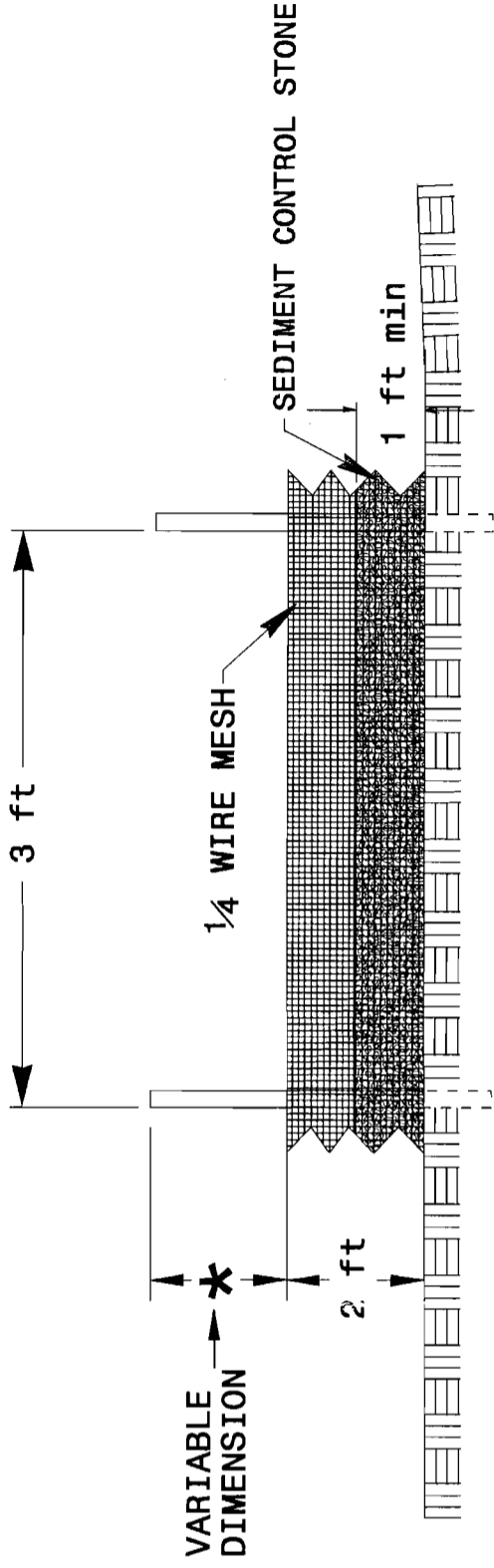
Sediment control stone shall meet the requirements of Section 1005 of the 2002 Standard Specifications for Roads and Structures. Install stone according to Standard Drawing No. 1633.01.

(C) Filter Fabric:

The filter fabric shall meet the requirements of Type 2 in Section 1056 of the 2002 Standard Specifications for Roads and Structures. The filter fabric shall be placed on the ground beneath the Temporary Rock Silt Check Type A.

Maintenance and Removal:

The Contractor shall maintain the Temporary Rock Silt Checks Type A until the project is accepted or until the dam is removed. The Contractor shall remove and dispose of silt accumulations at the Type A Check when so directed by the Engineer in accordance with Section 1630 of the 2002 Standard Specifications for Roads and Structures. The Temporary Rock Silt Checks Type A shall be removed at the completion of the project, and any earth disturbance inside the Mechanized Clearing area shall be seeded with native grasses.



GENERAL NOTES:

USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL.

USE HARDWARE CLOTH 24 GAUGE WIRE MESH WITH 1/4 INCH MESH OPENINGS.

INSTALL 5 FT. SELF FASTENER ANGLE STEEL POST 2 FT. DEEP MINIMUM.

SPACE POST A MAXIMUM OF 3 FT.