



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

January 9, 2007

U. S. Army Corps of Engineers
Regulatory Field Office
Post Office Box 1000
Washington, NC 27889-1000

Attention: Mr. William Wescott
NCDOT Coordinator

Dear Sir:

Subject: **Nationwide 23 Permit Modification Request**, for the proposed replacement of Bridge 74 on SR 1615 over Branch Upper Broad Creek (Morgan Swamp) in Craven County. Federal Aid Project No. BRSTP-1615(2), State Project No. 8.2171301, TIP No. B-4088.

Reference: USACE Action ID 2006-41531-125

The North Carolina Department of Transportation proposes to modify the construction plans for the subject project. Permanent impacts to jurisdictional waters will not change by use 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". These devices will include a combination of standard Temporary Silt Fence, Special Sediment Control Fence - wire/hardware cloth fencing with sediment control stone (see attachment), and Temporary Rock Silt Checks Type-A with filter fabric under the rock checks to allow recovery of the stone.

Thank you for your time and assistance with this project. Please contact Tyler Stanton at tstanton@dot.state.nc.us or (919) 715-1439 if you have any questions or need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "G. J. Thorpe".

for

Gregory J. Thorpe, Ph.D.
Environmental Management Director, PDEA

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

TELEPHONE: 919-733-3141
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WEBSITE: WWW.NCDOT.ORG

LOCATION:
TRANSPORTATION BUILDING
1 SOUTH WILMINGTON STREET
RALEIGH NC

Cc:

Mr. John Hennessy, NCDWQ
Mr. Travis Wilson, NCWRC
Mr. Gary Jordan, USFWS
Mr. Ron Sechler, NMFS
Mr. Michael Street, NCDMF
Mr. Steve Sollod, NCDCM
Ms. Tere Barrett, District Manager, NCDCM
Dr. David Chang, P.E., Hydraulics
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. C. E. Lassiter, P.E., Division 2 Engineer
Mr. Jay Johnson, Division 2 Environmental Officer

W/o attachment

Mr. Scott McLendon, USACE, Wilmington
Mr. Jay Bennett, P.E., Roadway Design
Mr. Majed Alghandour, P. E., Programming and TIP
Mr. Art McMillan, P.E., Highway Design
Mr. Bill Goodwin, P.E., PDEA

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.

ENGLISH STANDARD DRAWING FOR
SPECIAL SEDIMENT CONTROL FENCE

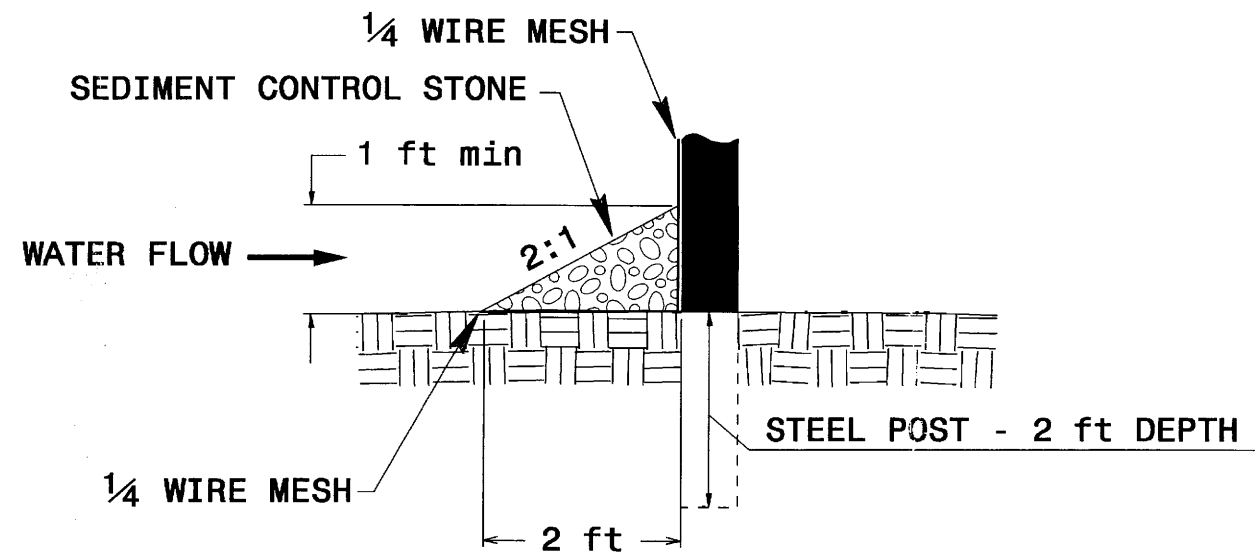
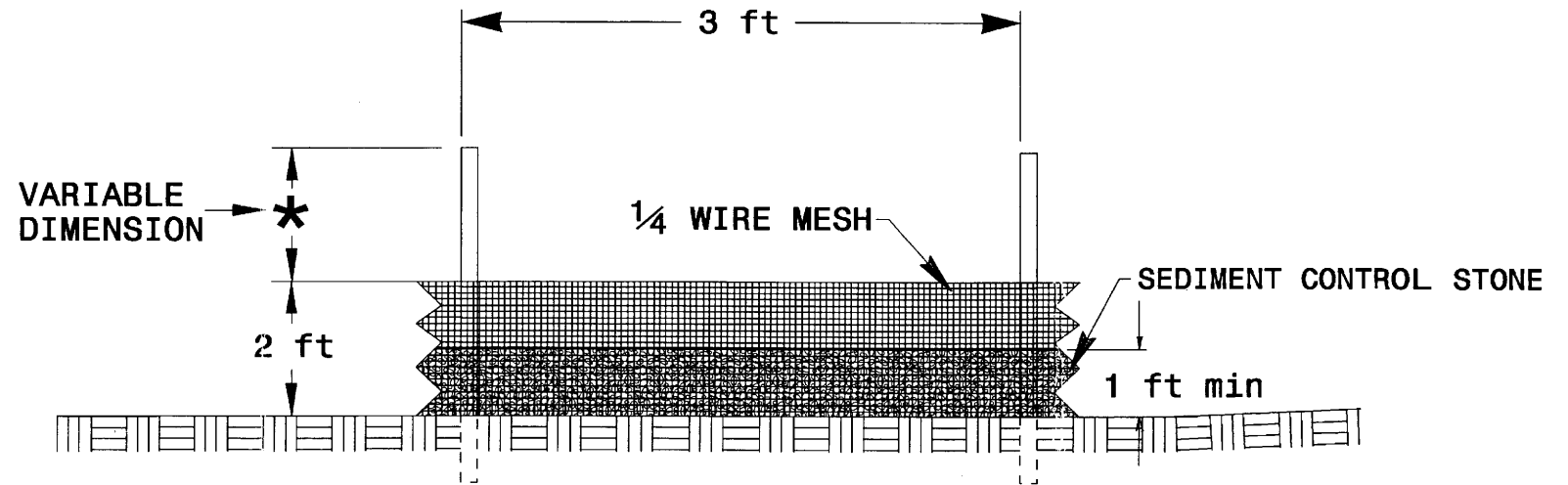
GENERAL NOTES:

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.



ENGLISH STANDARD DRAWING FOR
SPECIAL SEDIMENT CONTROL FENCE