



**US Army Corps
of Engineers**®
New England District
696 Virginia Road
Concord, MA 01742-2751

15-Day PUBLIC NOTICE

Comment Period Begins: March 24, 2015
Comment Period Ends: April 7, 2015
File Number: NAE-2014-445
In Reply Refer To: Barbara Newman
Phone: (978) 318-8515
E-mail: Barbara.H.Newman@usace.army.mil

The District Engineer has received a permit application to conduct work in waters of the United States as described below.

APPLICANT: Suffield Academy

LOCATION AND WATERWAY OF THE PROPOSED WORK: This work is proposed in Muddy Brook at Stiles Road Bridge, Suffield, Connecticut. The site coordinates are: Latitude 41.987876° N Longitude - 72.65591° W.

ACTIVITY: The project involves a discharge of fill of 728 square feet for permanent impacts and 996 square feet for temporary impacts (for a cofferdam) below the ordinary high water mark of Muddy Brook and in its adjacent wetlands, due to repair work on the Stiles Road Bridge, including wing wall extensions and regrading of the banks of the Muddy Brook. Based on observations made during an April 2011 inspection, scour damage and erosion due to the stream overtopping the embankments was observed at the northeast, northwest, and southeast wing walls, and erosion along the embankments adjacent to the bridge was also observed. This project will address the problems identified during the inspection. Construction is anticipated to take approximately six weeks, though in stream activities should be completed within two weeks. The applicant proposes to clear vegetation adjacent to the bridge, regrade the areas along the northeast, northwest, and southwest wing walls at a 2H:1V slope, and install compacted granular fill and modified riprap along the toe of slope and part way up the embankment. A water quality certification was received by the Corps from the Connecticut Department of Energy and Environmental Protection for this project.

The work is shown on the attached plans entitled "Suffield Academy, Stiles Road Bridge Repairs," on four (4) sheets and dated "September 2012" and a site location map.

In order to avoid and minimize impacts to the Brook and federally listed endangered dwarf wedge mussels the applicant will follow the terms and conditions of the Biological Opinion issued by the US Fish and Wildlife Service, which includes removing the mussels prior to work and transplanting them upstream, using best management practises to avoid siltation of the Brook, working during periods of low water levels, and using a time of year restriction from April 1st to May 15th. To compensate for the removal of wetland trees and bushes at the top of the river bank, the applicant proposes to install live stakes of native dogwood and willow along the first 200 feet of riverbank downstream and upstream of the bridge. In addition, speckled alder, eastern cottonwood and red maple will be planted within 20 feet of the top of slope.

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

NATIONAL HISTORIC PRESERVATION ACT

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s)

ENDANGERED SPECIES CONSULTATION

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the project site and has received documentation showing that the federally listed endangered dwarf wedgemussel exists at the site. The proposed construction activities at Stiles Road Bridge will affect in stream habitat and stream banks near the bridge and these activities will occur within or near areas where dwarf wedgemussels were documented. The Corps initiated formal consultation with the US Fish and Wildlife Service and has received a Biological Opinion that

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includes an Incidental Take Statement. The USFWS has stated that if the conditions written in the Biological Opinion are followed during construction, the level of take is not likely to result in jeopardy to the dwarf wedgemussel.

The following authorizations have been applied for, or have been, or will be obtained:

- (x) Permit, License or Assent from State.
- (x) Permit from Local Wetland Agency or Conservation Commission.
- (x) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Barbara Newman at (978) 318-8515 (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.



**Barbara Newman, Acting Chief
Permits and Enforcement Branch
Regulatory Division**

If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____

ADDRESS: _____

PHONE: _____

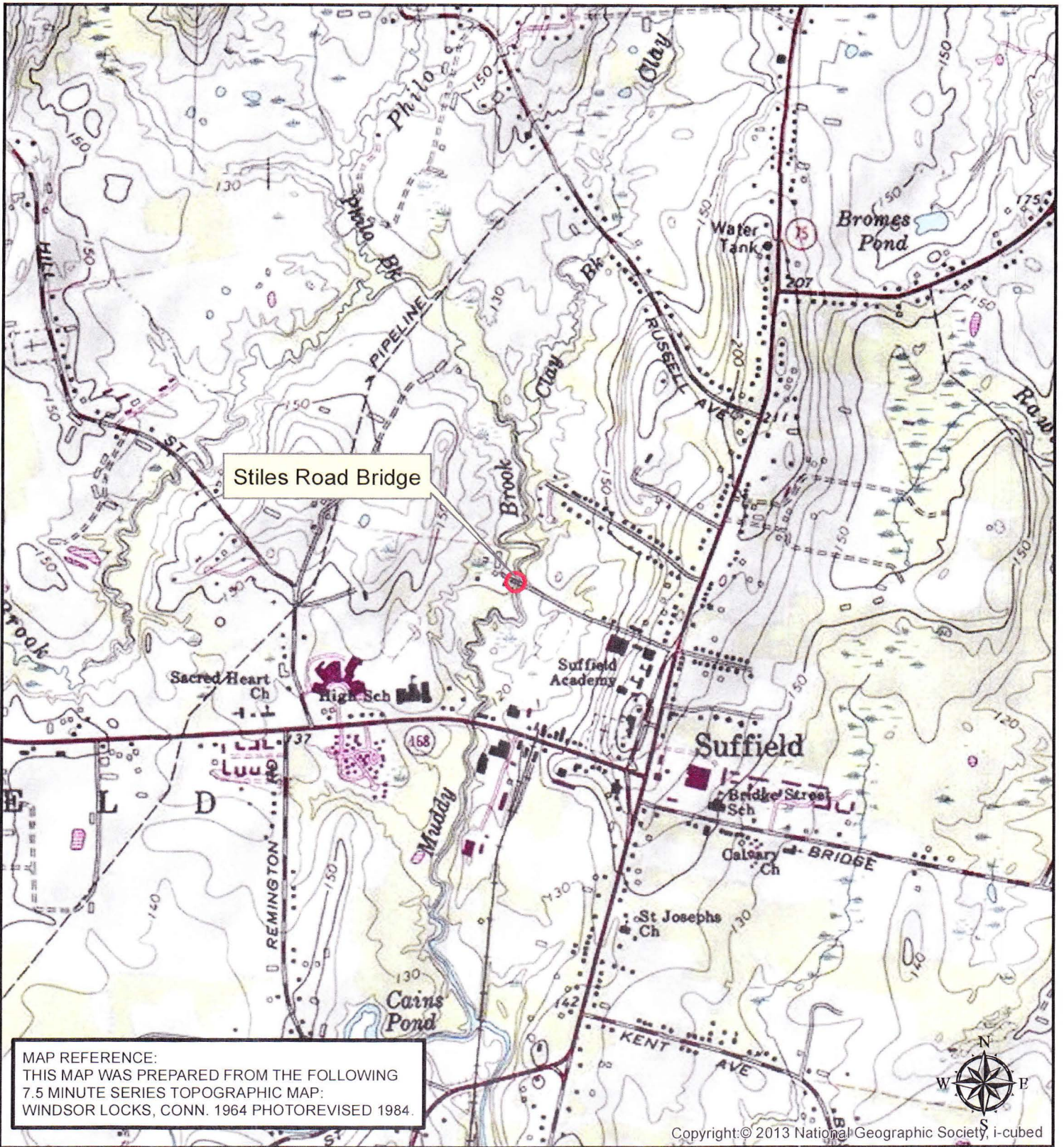


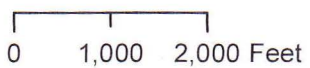
FIGURE 1

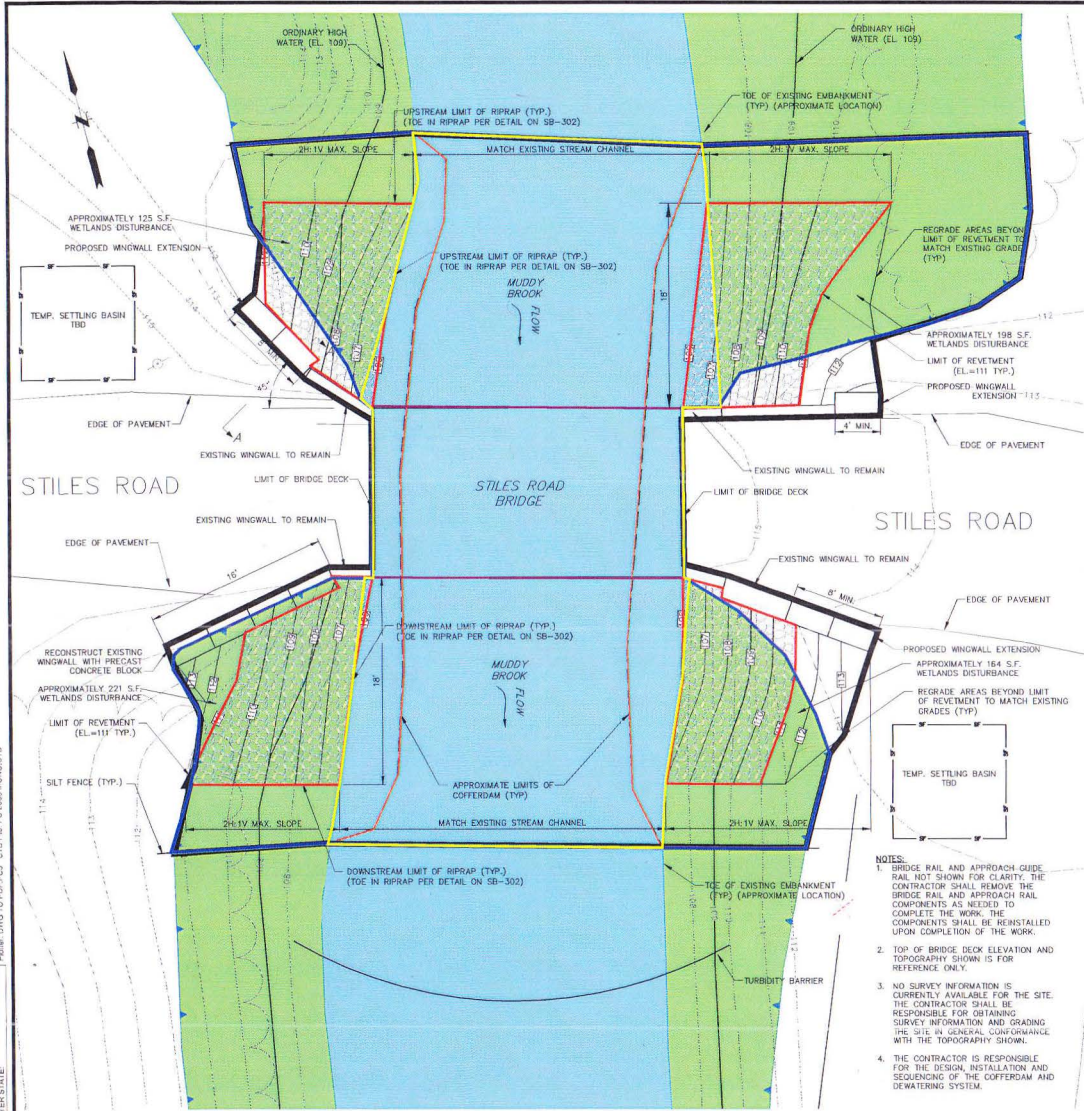
FEBRUARY 2014

Stile Road Bridge over Muddy Brook

Site Location Map
 Suffield, Connecticut

Scale:

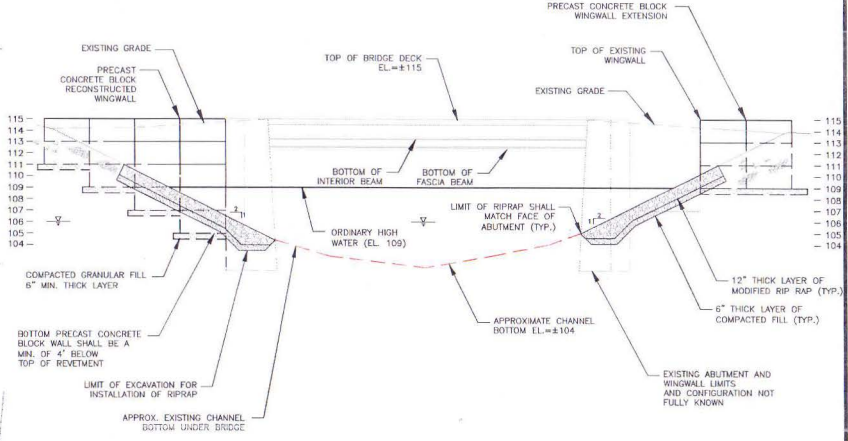




PLAN OF STILES ROAD BRIDGE
SCALE: 1"=6'

PROPOSED CONSTRUCTION SEQUENCE:

- DO NOT COMMENCE WITH EARTH MOVING OPERATIONS UNTIL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE AND A TURBIDITY BARRIER HAVE BEEN INSTALLED.
- THE FOLLOWING REPRESENTS A PROPOSED CONSTRUCTION SEQUENCE. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW THE PLANS AND SITE CONDITIONS TO DEVELOP A CONSTRUCTION SEQUENCE THAT WILL MEET THE REQUIREMENTS OF THE CONTRACT.
 - CLEAR ALL VEGETATION INCLUDING TREES ONLY TO THE EXTENT REQUIRED TO COMPLETE THE WORK.
 - INSTALL ALL TEMPORARY FACILITIES AND CONTROLS, EROSION CONTROL MEASURES, DEWATERING BASIN, TURBIDITY CURTAIN, CONSTRUCTION ACCESS AND ALL OTHER ITEMS REQUIRED PRIOR TO PERFORMING EXCAVATION ACTIVITIES.
 - REMOVE AND STORE BRIDGE RAIL AND APPROACH RAIL COMPONENTS AS NEEDED TO COMPLETE THE WORK.
 - INSTALL COFFERDAM AND DEWATERING MEASURES.
 - EXCAVATE AND INSTALL WINGWALL EXTENSION(S).
 - BACKFILL AND COMPACT ROADWAY SUB BASE.
 - EXCAVATE AND REGRADE CHANNEL EMBANKMENTS TO TRANSITION INTO EXISTING GRADE.
 - INSTALL GRANULAR FILL AND RIPRAP.
 - INSTALL EROSION CONTROL BLANKETS.
 - RESTORE DISTURBED SURFACE AREA.
 - RECONFIGURE COFFERDAM AND DEWATERING MEASURES TO CONTINUE / COMPLETE THE WORK.
 - REPEAT STEPS 2.4 - 2.11 FOR REMAINING THREE EMBANKMENTS AND WINGWALLS.
 - INSTALL ROADWAY BASE AND WEARING SURFACES.
 - REINSTALL BRIDGE RAIL AND APPROACH RAIL COMPONENTS.



BRIDGE ELEVATION AND CHANNEL SECTION
SCALE: 1"=5'

- NOTES:**
- BRIDGE RAIL AND APPROACH GUIDE RAIL NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE THE BRIDGE RAIL AND APPROACH RAIL COMPONENTS AS NEEDED TO COMPLETE THE WORK. THE COMPONENTS SHALL BE REINSTALLED UPON COMPLETION OF THE WORK.
 - TOP OF BRIDGE DECK ELEVATION AND TOPOGRAPHY SHOWN IS FOR REFERENCE ONLY.
 - NO SURVEY INFORMATION IS CURRENTLY AVAILABLE FOR THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING SURVEY INFORMATION AND GRADING THE SITE IN GENERAL CONFORMANCE WITH THE TOPOGRAPHY SHOWN.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION AND SEQUENCING OF THE COFFERDAM AND DEWATERING SYSTEM.

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 Date: Tue Apr 22 2014 4:00 PM
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 LAYER STATE:

NO.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SCALE	SCALE

State jurisdictional wetlands were delineated in accordance with the State of Connecticut Inland Wetlands and Watercourses Act/COS 22a-36 to 22a-45 inclusive. To the best of my knowledge, the wetland delineations depicted herein are true and accurate.

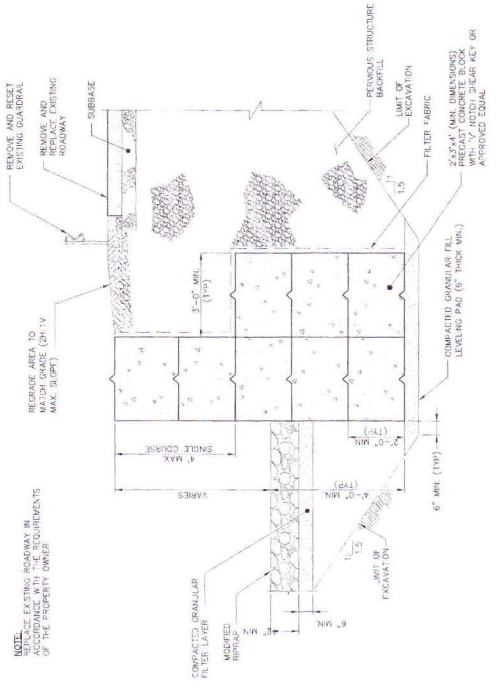
Joshua H. Wilson, PWS #1992
Registered Soil Scientist

SCALE:	HORIZ. AS NOTED
DATUM:	VERT.:
	HORIZ.:
	VERT.:

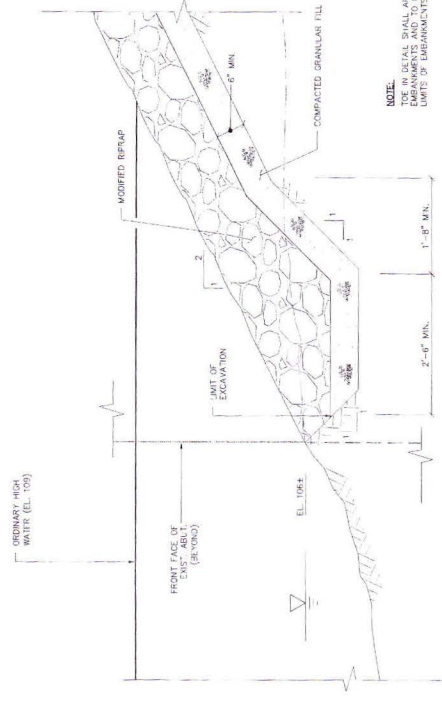
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140 HARTFORD ROAD
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SUFFIELD ACADEMY
STILES ROAD BRIDGE REPAIRS
GENERAL PLAN
SUFFIELD CONNECTICUT

PROJECT No. 1989-0223-10
DATE: SEPTEMBER 2012
SB-301



A TYPICAL WINGWALL SECTION
SCALE: 1/2" = 1'-0"



TYPICAL TOE IN DETAIL
SCALE: 1" = 1'-0"

NOTE:
REINAP SHALL APPLY TO ALL OF
EMBANKMENTS AND TO UPTHEAM AND DOWNSTREAM
LIMITS OF EMBANKMENTS.

PROJECT NO. 100-0337-10
DATE: SEPTEMBER 2017
SB-302

SUFFIELD ACADEMY
STILES ROAD BRIDGE REPAIRS
DETAILS
SUFFIELD
CONNECTICUT

FUSS & O'NEILL
140 HARTFORD ROAD
SUFFIELD, CONNECTICUT 06080
860-442-2400
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SCALE: HORIZ. AS NOTED; VERT. 1/4" = 1'-0"

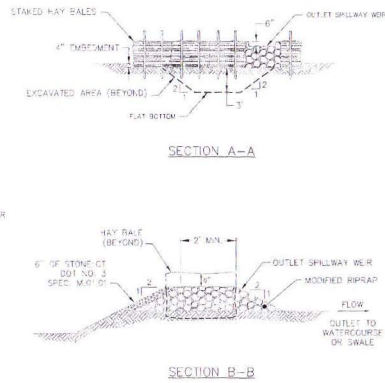
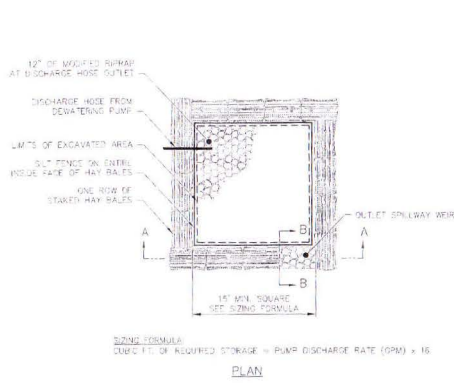
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GRAPHIC SCALE

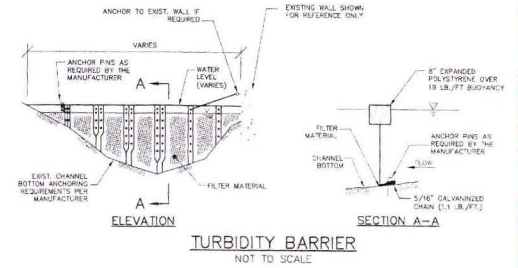
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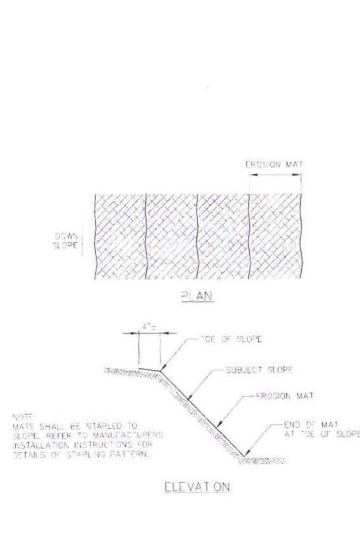
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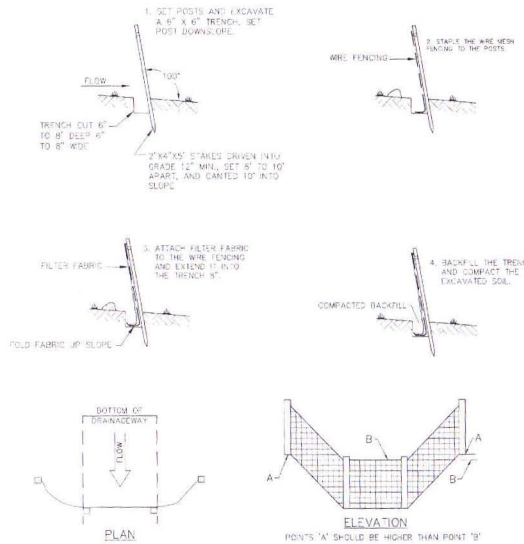
CONSTRUCTION ENTRANCE
NOT TO SCALE



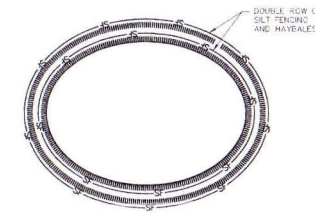
PUMPING SETTLING BASIN TYPE II
NOT TO SCALE



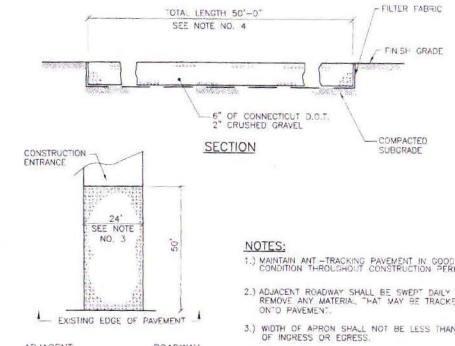
EROSION CONTROL MAT
SCALE: N.T.S.



SILT FENCE
SCALE: N.T.S.



STOCKPILE CONTAINMENT AREA
SCALE: N.T.S.

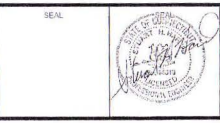


ANTI-TRACKING APRON
SCALE: N.T.S.

- NOTES:
- 1.) MAINTAIN ANTI-TRACKING PAVEMENT IN GOOD CONDITION THROUGHOUT CONSTRUCTION PERIOD.
 - 2.) ADJACENT ROADWAY SHALL BE SWEEP DAILY TO REMOVE ANY MATERIAL THAT MAY BE TRACKED ON TO PAVEMENT.
 - 3.) WIDTH OF APRON SHALL NOT BE LESS THAN WIDTH OF IMPRESS OR EGRESS.
 - 4.) THE LENGTH OF THE PAD SHALL BE INCREASED IF NECESSARY TO CONTROL THE TRACKING ONTO LOCAL ROADWAYS.

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NO.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1				



SCALE:
 HORZ. AS NOTED
 VERT. 1" = 10'
 DATUM:
 HORZ. 1" = 100'
 VERT. 1" = 10'
 GRAPHIC SCALE

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SUFFIELD ACADEMY
 STILES ROAD BRIDGE REPAIR
 TYPICAL DETAILS
 SUFFIELD CONNECTICUT

PROJECT NO.: 180818-113
 DATE: SEPTEMBER 2018
SB-303