

15-Day PUBLIC NOTICE

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

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.

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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.

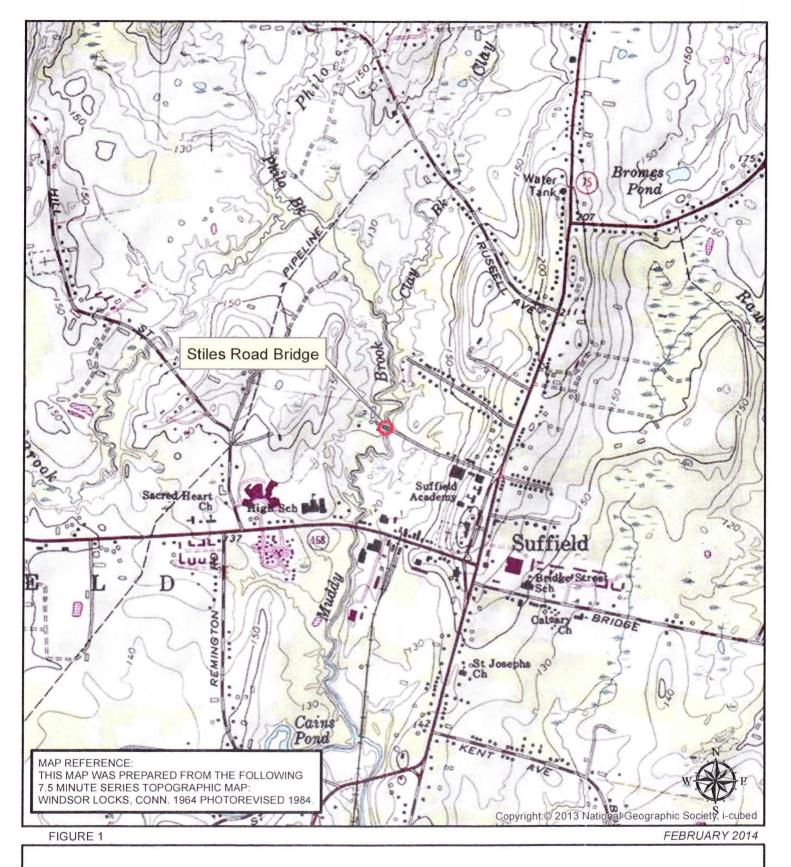
The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in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



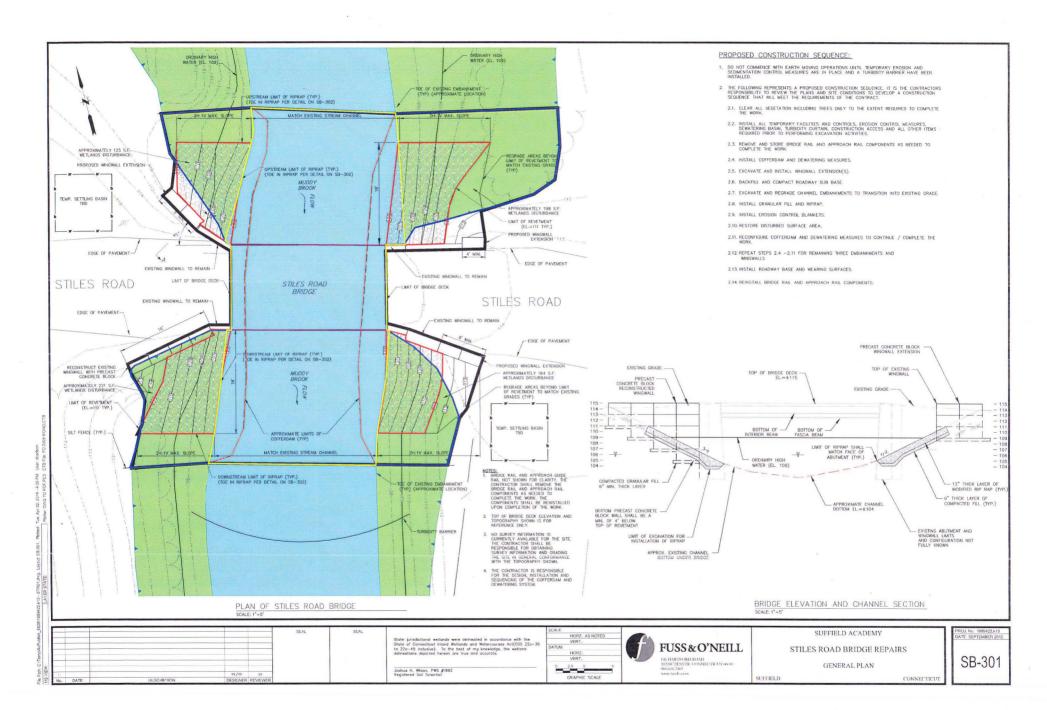
Stile Road Bridge over Muddy Brook

Site Location Map Suffield, Connecticut

Scale:
0 1,000 2,000 Feet

Path: K:\P89\89422\K11\Quad Map.mxd





- WHERE "STANDARD SPECIFICATION" IS USED, IT SHALL MEAN "STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION, 2004 EDITION AND ALL AMENDMENTS.
- 2. EXISTING UTILITIES: DO NOT INTERRUPT UTILITIES SERVING FACULTIES OCCUPED BY OWNER OR OTHERS UNLESS PERMITTED IN MITTING BY FACULTY MANAGER AND THEN ONLY AFTER ARRANGING REVETIMENT TO PROVIDE TEMPORARY UTILITY SERVICES ACCORDING TO REQUIRE VEHIS INDICATED.
- 2.1. NOTEY FACILITY MANAGER NOT LESS THAN TWO DAYS IN ADVANCE OF PROPOSED UTILITY NTERPLETIONS.
- DO NOT PROCEED WITH UTILITY INTERRUPTIONS WITHOUT THE FACILITY MANAGER'S WRITTEN PERMISSION.
- 2.3. CONTACT CALL BEFORE YOU DIG" AT 1-800-922-4455 AND THE FACULTY MANAGER BEFORE EXCAVATING. PROCEED WITH EXCAVATION ONLY AFTER UTILITY LOCATOR. SERVICE AND THE FACIL IT MANAGER COMPLETES MARKING OF UTILITY LOCATION.
- DO NOT COMMENCE EARTH MOVING OPERATIONS UNTIL "EXPORARY EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE AND A TURBIDITY BARRIER HAS BEEN INSTALLED.

- PROTECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROLS DURING EARTH MOWING OPERATIONS.
- PROVIDE EROSION—CONTROL MEASURES TO PREVENT FROSION OR DISPLACEMENT OF SOILS AND DISCHARGE OF SOIL—BEARING WATER RUNOTF OR ARBORNE DUST TO ADJACENT PROPERTIES, LANDSCAPE, ROADWAYS AND WALKWAYS.
- 3.1. RECONSTRUCT SUBGRADES DAMAGED BY FREEZING TEMPERATURES, FROST, RAIN, ACCUMULATED WATER, OR CONSTRUCTION ACTIVITIES. AS DIRECTED BY ENGINEER.
- PROVIDE BORROW SOIL MATERIALS WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM EXCAVATIONS.
- SATISFACTORY SOLLS, FREE OF DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, CLAY AND OTHER DELETERIOLS MATTER; ADEQUATELY GRADED FOR SATISFACTORY COMPACTION.
- 5.1. ON-SITE MATERIAL: NATIVE SOL ADDITIONALLY FREE OF WASSES OF ROOTS, INDIVIDUAL ROOTS MORE THAN 18 INCHES LONG AND 1/2 INCH IN DIAMETER, SUBJECT TO APPROVAL BY THE ENGINEER.
- BORROW: FREE OF ROCK OR GRAVEL LARGER THAN 3-1/Z INCHES IN ANY DIMENSION; FORM 816, SECTION V.OZ.DI, GRADING A.
- 5.3. PERVIOUS STRUCTURE BACKFILL BROKEN OR CRUSHED STONE, BROKEN OR CRUSHED GRAVEL, OR RECLAIMED MISCELLANEOUS AGGREGATE; FORW 816, SECTION M.02.05, GRADING
- 5.4. COMPACTED GRANULAR FILTER LAYER: FORM 816, SECTION M.02.03, GRADING C.
- 6.1. PROOF ROLL SUBGRADE TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING. DO NOT PROOF ROLL WET OR SATURATED SUBGRADES.
- 6.2. ADDITIONAL EXCAVATION AND REPLACEMENT MATERIA. WILL BE PAID FOR ACCORDING TO CONTRACT PROVISIONS FOR CHANGES IN THE WORK.
- STOCKPLE HORROW MATERIALS AND SATISFACTORY EXCAVATED SOIL MATERIALS. STOCKPILE MATERIALS WINDUT INTERMANIC PLACT, GRADE, AND SHAPE STOCKPLES WITHIN A STOCK CONTAINMENT MAREA TO CRAIN SUSFACE WATER PREVENT WINDELOWN CUST AND MAINTAIN CONTAINMENT FOR THE DURATION OF THE PROJECT.
- 7.1. STOCKPILE SOIL MATERIALS AWAY FROM EDGE OF EXCAMATIONS, DO NOT STORE WITHIN DRIP LINE OF TREES TO REMAIN.
- PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY "HEAVY COMPACTON EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND—OPERATED TAMPERS.
- PLACE BACKFILL AND FILL WATERALS EVENLY ON ALL SIDES OF STRUCTURES TO REQUIRED ELEVATIONS, AND UNIFORMLY ALONG THE FULL LENGTH OF EACH STRUCTURE.
- COMPACT SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 1557:
- 10.2. UNDER LAWN OR UNPAVED AREAS, SCARIFY AND RECOMPACT TOP 6 NOHES BELOW SUBGRADE AND COMPACT EACH LAYER OF BACKFILL OR FILL MATERIAL AT 90 PERCENT.
- 11 UNFORMLY CRADE AREAS TO A SMCOTH SURFACE, FREE FROM RREGULAR SURFACE CHANGES, COMPLY WITH COMPACTION REQUIREMEN'S AND GRADE TO CROSS SECTIONS, LINES, AND LEEVATIONS BIDCATED.
- 11.1. PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES. 12. REMOVE WASTE MATERIAL, INCLUDING UNSATISFACTORY SOIL, TRASH, AND DEBRIS, AND LEGALLY DISPOSE OF IT OFF OWNER'S PROPERTY.
- *3. THANSPORT SURPLUS SATISFACTORY SOIL TO DESIGNATED STORAGE AREAS ON OWNER'S PROPERTY STOCKFILE OR SPREAD SOIL AS DIRECTED BY FACILITY MANAGER.

EXCAVATION FOR STONE SLOPE AND CHANNEL PROTECTION

FOR STONE SLOPE PROTECTION, EXCAVAIT SLOPE AREA TO A DEPTH SUCH THAT THE FRISH FRADE OF THE INSTALLED BENEMENT UNDERLAW BY THE COMPACTED GRANULAR PILER LAYER WILL CORPERSIOND TO THE "PLASH ORADE SHOWN, REMOVE ALL UNSATISFACTORY MATERIAL AND SHAPE SUBJECTACE ACCORDINGLY.

- AREAS TO BE PROTECTED BY RIPRAP SHALL BE ACCURATELY SHAPED PRIOR TO PLACING OF ANY FLITER FABRIC OR BEDDING MATERIAL.
- 2.1. THE FINISHED SUB-GRADE MUST BE SWOOTH AND WELL COMPACTED. ALL LOOSE DIRT CLODS, GRASS CLUMPS, IRASH AND OTHER DESIRECTIONS WHICH WILL PRO-INTO OR OBSTRUCT THE INSTALLATION OF THE FILTER LAYER MUST BE REMOVED.
- 2.2. FILTER LAYER MATERIAL SHALL BE PLACED ON THE PREPARED AREA AND COMPACTED TO THE DEPTH. LINES AND GRADES INDICATED ON THE PLANS, DEWATER AS REQUIRED.
- PLACE RIPRAP ABOVE FILTER LAYER TO THE LINES AND GRADES INDICATED ON THE DRAWINGS. FREVENT DISPLACEMENT OF FILTER LAYER MATERIAL.
- 4.1. REARRANCE INDIVIDUAL STONES BY HAND OR EQUIPMENT AS REQUIRED TO PRODUCE A REASONABLY WELL-GRADED DISTRIBUTION OF ROCK, FREE FROM POCKETS OF SMALL STONES AND CLUSTERS OF LARGER STONES, THE CONVETED COURSE SHALL BE OF THE SPECIFIED THICKNESS AND TO THE LIVES AND GRADES AS SHOWN.
- 4.2. END DUMPING OR TAIL GATE DUMPING OF RIPRAP FROM A HEIGHT OF MORE THAN THREE (3) FEET WILL NOT BE PERMITTED IN (ON TOP OF) AREAS OF COMPACTED SRANULAR FILTER LAYER.
- 4.3. PLACING THIS MATERIAL BY METHODS LIKELY TO CAUSE SEGREGATION OF THE VARIOUS SIZES OF STONE SHALL NOT BE PERMITTED, DOUBLE DECKING OF THIN, FLAT STONES TO BRING THE SURFACE UP TO THE REQUIRED ORACE WILL NOT BE ALLOWED.

SURFACE RESTORATION

- 1. PLANTING RESTRICTIONS: PLANT DURING ONE OF THE FOLLOWING PERIODS
- 1.1. SPRING PLANTING: APRIL 1 TO JUNE 1.
- 1.2. FALL PLANTING: AUGUST 15 TO OCTOBER 15.
- SEEDING MIXTURE FOR FINISHED GRASSED AREAS WILL BE AS FOLLOWS: KENTUCKY BLUE GRASS: 45%

SEED TO BE APPLIED AT A RATE OF 5 LBS./1000 SQ. FT. FERTILIZER SHALL BE APPLIED AT A RATE OF 2 LBS./ 1000 SQ. FT.

- WEATHER LIMITATIONS: PROCEED WITH PLANTING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT.
- BEGIN MAINTENANCE IMMEDIATELY AFTER EACH AREA IS PLANTED AND CONTINUE UNTIL A SATISFACTORY LAWN IS ESTABLISHED.

- LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 4 INCHES REMOVE STONES LARGER THAN 2 INCHES IN ANY DIMENSION AND SITIOKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNERS'S PROPERTY.
- SOW SEED WITH SPREADER OR SEEDING MACHINE, DO NOT BROADCAST OR DROP SEED WHEN WIND VELOCITY EXCREDS 5 MPH. EVENLY DISTRIBUTE SEED BY SOWING EQUAL QUANTITIES IN TWO DRECTIONS AT RIGHT ANGLES TO EACH OTHER.
- 7.1. DO NOT USE WET SEED OR SEED THAT IS MOLDY OR OTHERWISE DAMAGED.
- 7.2. SOW SEED AT THE RATE 5 _B/1000 SQ. FT.
- 7.3. RAKE SEED LIGHTLY INTO TOP 1/8 INCH OF TOPSOIL, ROLL LIGHTLY, AND WATER WITH FINE SPRAY

- HYDROSEEDING: MIX SPECIFIED SEED, FERTIJZER, AND FIBER MULCH IN WATER, USING EQUIPMENT SPECIFICALLY DESIGNED FOR HYDROSEED AFFICATION, CONTINUE MIXING UNIT, UNIFORMLY BENOED, NOT OMNOGENEUS SURRY SURFABLE FOR HYDRAULIC APPLICATION.
- 8.2 APPLY SLURRY UNIFORMLY TO ALL AREAS TO BE SEEDED IN A ONE-STEP PROCESS. APPLY MULCH AT A MINMUM RATE OF 1500-LEVACRE DRY WEIGHT BUT NOT LESS THAN THE RATE REQUIRED TO OBTAIN SPECFED SCHOOL RATE.
- 10. PROTECT SEEDED AREAS WITH SLOPES NOT EXCEEDING 1:3 BY SPREADING STRAW MULCH.

 SPREAD UNIFORMLY AT A MINIMUM RATE OF 2 TONS/ACRE TO FORM A CONTINUOUS BLANKET
 1-1/2 INCHES IN LOOSE DETHI OVER SEEDED AREAS, SPREAD BY HAND, BLOWER, OR OTHER
 SUITABLE ECONOMINIT.

EROSION AND SEDIMENT CONTROL NOTES:

- EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO DEMOLITION AND/OR CONSTRUCTION, CRAVEL CONSTRUCTION ENTRANCE WILL BE INSTALLED BEFORE CONSTRUCTION TRAFFIC INTO AND OUT OF PROJECT AREA BEGINS, STABILIZATION OF ALL REGRADED AND SOIL STOCKHEE AREAS WILL BE INTIGITED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS OF THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL AND TOWN OF SUFFICIENT REQUESTIONS. ALL EROSION CONTROL DIVINES ARE TO BE MAINTAIN AND UPGRADED AS REQUIRED TO ACHEVE PROPER SEDIMENT CONTROL DIVINED. CONSTRUCTIONS.
- ADDITIONAL CONTROL VEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF DEEMED INCESSARY BY THE ENORMER OR BY THE TOWN OR STATE. CATCH BASINS WILL BE PROTECTED WITH A-MYABLE FILLER THROUGHOUT HE CONSTRUCTION PERIOD UNITL ALL DISTURBED AREAS ARE THROUGHOUT STABILZED. FILTER FABRIC SHOLLD BE INSTALLED UNDER GRATE GERMEN UNIT. BY AVEXIVE THE TABLE SHOULD BE INSTALLED UNDER GRATE
- FLANTING SEASONS SHALL BE AS HIJICATED UNDER SURFACE RESTORATION, AFTER STRITUBLER AREAS MIL BE STABLUZED WITH HATGAKE OFFICE, FETTER FARRIC, OR WOOD OHN PULCON. AS REQUIRED, TO CONTROL EROSION, FOR AREAS TO HAVE SPECIFIC LANDSCAPE COVERAGE DTHER THAN SEEDING OR SOODING.
- 6. AREAS TO BE LEFT BARK REFORM FINEMED GRADING AND SECURIC IS ACHEROD, SHALL RECOVER A TEMPORARY SECURIC OF HER WARM, INTERNES APPLIED TO A MAY 157 LEST, 000 SECURIC A TEMPORARY SECURIC STATE OF THE SECURIC SECU
- AREAS TO BE LEFT BARE BEFORE FINISH GRADING AND SEEDING OUTSIDE OF PLANTING SEASONS SHALL RECEIVE AN AIR-DRILD WOOD CHIP MUCH, FREE OF COARSE MATTER, TREATED WITH 12 LBS, OF NITROGEN PER TON, APPILED AT A RATE OF 185-275 1855,/1009 SQ. FT.
- THE CONTRACTOR SHALL ESTABLISH AN EROSION CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) APPROXIMATELY TEN (10) FEET FROM TOE. TO SLOPE OF PROPOSED FILL AREAS PRIOR TO BEGINNING FILL INSTALLATION, STABLIZATION OF SLOPES IN FILL AREAS (LUSING MULCH OR GRASS) SHALL BE INITIATED WITHIN THERTY (30) DAYS OF COMMENCEMENT OF FILL INSTALLATION.
- THE CONTRACTOR SHALL ESTABLISH AN EROSION CONTROL LINE ALONG THE LIMIT OF DISTURBAN IN ALL UPLAND AREAS WITH DOWN ORADIENTS. THE EROSION CONTROL LINE SHALL BE LOCATED AT THE ANTICIPATED LIMIT OF DISTURBANCE ESTABLISHED BY THE CONTRACTOR.
- . SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH 1-B. IN TENT OF THIS PLAN. ALL HAVEALES OR SILT FENCE RETAINING SEDIMENT OVER 1/2. THEIR HEIGHT SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS REMOVED AND REPLACED.
- 12. CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING EROSION AND SEDMENT CONTROL. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MAGNET AND THE RESPONSIBILITY INCLUDES THE INSTALLATION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND HOTEYING THE PROPER TOWN/CITY AGENCY OF ANY TRANSFER OF THIS RECONSISTENCY.
- 13. STOCKPILES OF SOIL SHALL BE SURROUNDED BY A SEDIMENT BARRIER. SOIL STOCKPILES TO BE LEFT BARE FOR MORE THAN LITTEN (15) DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH. IF SOIL STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS, FILTER FARIER SHALL BY SURVEYED IN FLACE OF HAYBALES. SIDE SLOPES SHALL NOT EXCEED 2-1.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF THE CONTRACT, DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO, SPRANNO I FIRE WIST OF WATER OR EXPOSED SOUS AND HALL ROADS CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC ON ADJACENT ROADWAYS.
- IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS.
- HAYBALES SHALL BE USED ONLY AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED.
- 18 MEET CHMITTONICE INCLUSION THESE SHALL HOTHER A DESCARGE DECLY HITD WITLANDS WE WITHOUSESS PROPER WENTHOUS AND DESCISIONAL BE FULLED TO THE CENTRE PROVIDED SHALL S

EROSION-CONTROL MATERIALS

- EROSION-CONTROL BLANKETS: BIODEGRADABLE WOOD EXCELSIOR, STRAW, OR COCONUT-FIEER MA-ENCLOSED IN A PHOTOGEGRADABLE PLASTIC MESH. INCLUDE MANUFACTURER'S RECOMMENDED STEEL WRE STAPLES, B INCHES LONG.
- FOR AREAS BELOW THE BOTTOM CHORD ELEVATION OF THE BRIDGE, USE BLANKETS SUITABLE FOR USE IN A STREAM CHANNEL.

COFFERDAM AND DEWATERING

- DEWATERING PERFORMANCE: DESIGN, FURNISH, INSTALL, TEST, OFERATE, MONTOR, AND MANTAN COFFESDAM AND DEWATERING SYSTEM OF SUFFICIENT SCOPE, SZE, AND CAPACITY TO CONTROL GROUND-WATER FLOW INTO EXCAVATIONS, DEWEST STREAM FLOWS AROUND EXCAVATION, AND PERMIT CONSTRUCTION TO PROCEED ON DRY, STABLE SUBGRADES.
- 1.1. MAINTAIN DEWATERING OPERATIONS TO ENSURE EROSION CONTROL, STABILITY OF EXCAVATIONS AND CONSTRUCTED SLOPES, THAT EXCAVATION DOES NOT FLOOD, AND THAT DAMAGE TO SLOGRADES AND PERMANENT STRUCTURES IS PREVENTED.
- 1.2. PREVENT SURFACE WATER FROM ENTERING EXCAVATIONS BY GRADING, DIKES, OR OTHER
- 1.3. ACCOMPLISH DEWATERING WITHOUT DAMAGING EXISTING BRIDGE ADJACENT TO EXCAVATION.
- 1.4. REMOVE DEWATERING SYSTEM IF NO LONGER NEEDED.
- PREVENT SURFACE WATER AND GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES, AND FROM FLOODING PROJECT SITE AND SURROUNDING AREA.
- 3.1. REROLTE SURFACE WATER RUNOFF AWAY FROV EXCAVATED AREAS, DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS. DO NOT USE EXCAVATED TRENCHES AS TEMPORARY DRAINAGE DITCHES.
- 3.2. INSTALL A DEWLEBING SYSTEM TO KEEP SUBGRACES BRY AND CONVEY GROUND WATER AWAY FROM EXCAVATIONS MANTAIN DEWLEBING UNIT STRUCTURES, PIPES AND APPURIENANCES WILL NOT BE DAMAGED BY SURFACE OR GROUND WATER, WANTAIN LINIL DEWLEBING IS NO LONGER REQUIRED.
- OBTAIN DISCHARGE PERMIT FOR WATER DISCHARGING INTO STORM DRAINAGE SYSTEM OR WATERWAY. REMOVE PARTICULATE WATER FROM PUMPED OR DRAINED WATER WHICH DISCHARGES OF FLOWS INTO STORM DRAINAGE SYSTEM ON WATERWAY.
- INSTALL DEWATERING SYSTEM UTILIZING WELLS, WELL POINTS, OR SIMILAR WETHOOS COMPLETE WITH PUMP EQUIPMENT, STANDBY POWER AND PUMPS, FILTER MATERIAL, VALVES, APPURTENANCES, WATER DSPOSAL, AND SURFACE—WATER CONTROL.
- PROMDE AN ADEQUATE SYSTEM TO LOWER AND CONTROL DROUND WATER TO PERMIT EXCAVATION, CONSTRUCTION OF STRUCTURES, AND FLAGBURNT OF FILE MATERIALS ON DRY SUBGRADES. INSTALL SUFFICIENT DEWATERING EQUIPMENT TO DRAIN WATER-BEARING STRATA ABOVE AND BELOW BOTTOM OF FOUNDATIONS, DRAINS, SEWERS, AND CHIEF EXCAVATIONS.
- 7.1. OPEN-SUMP PUMPING THAT LEADS TO LOSS OF FINES, SOIL PIPING, SUBGRADE SOFTENING, AND SLOPE INSTABILITY IS NOT ALLOWED.
- 7.2. REDUCE HYDROSTATIC HEAD IN WATER-BEARING STRATA BELOW SUBGRADE ELEVATIONS OF FOUNDATIONS, DRAINS, SEWERS, AND OTHER EXCAVATIONS.
- 7.3. MAINTAIN PIEZOMETRIC WATER LEVEL A MINIMUM OF 24 INCHES BELOW SURFACE OF EXCAVATION
- PROVIDE STANDEY COLUMENT ON-SITE, INSTALLED AND AVAILABLE FOR IMMEDIATE OPERATOR, TO MANTAN DEWLERENG FAILS, IF OF MAIN STANDENDIALE OF FAILS, IF DEWLERENG REQUIEMENTS ARE NOT SATISFED DUE TO INADEQUACY OF FAILURE OF DEWLERENG SYSTEM, RESIDENCE DAMAGED STRUCTURES AND FOUNDATION SOLIS AT NO ADDITIONAL EXPRESE SYSTEM, RESIDENCE DAMAGED FAILURE OF DEWLERENG SYSTEM, RESIDENCE DAMAGED STRUCTURES AND FOUNDATION SOLIS AT NO ADDITIONAL EXPRESE.
- 10. DAMAGES: PROMPTLY REPAIR DAMAGES TO ADJACENT FACULTIES CAUSED BY DEWATERING OPERATIONS.

SUFFIELD

- CLEAR ALL VEGETATION INCLUDING TREES ONLY TO THE EXTENT REQUIRED TO COMPLETE THE WORK, THE CONTRACTOR SHALL REVIEW HIS PROPOSED LIMTS OF VEGETATION REMOVAL WITH THE FACILITY MAMAGER AND THE TOWN TREE WARDEN IF REQUIRED BY TOWN ORDINANCES.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF THE SITE WITH THE USE OF APPROPRIATE BARRIERS AND FENCES TO ENSURE PUBLIC SAFETY.
- THE CONTRACTOR SHALL INSTALL ROADWAY BASE AND WEARING SURFACE IN DISTURBED AREAS IN ACCORDANCE WITH THE FACILITY'S STANDARD ROADWAY CROSS SECTION.

FUSS & O'NEILL

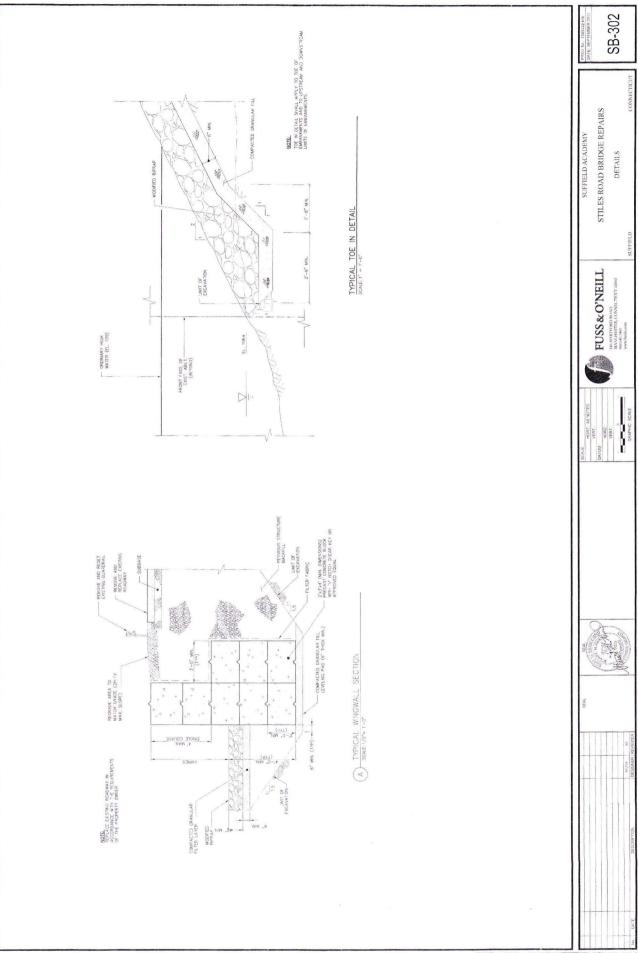
146 HARTFORD ROAD MANCHESTER, CONNECTICUT 66940

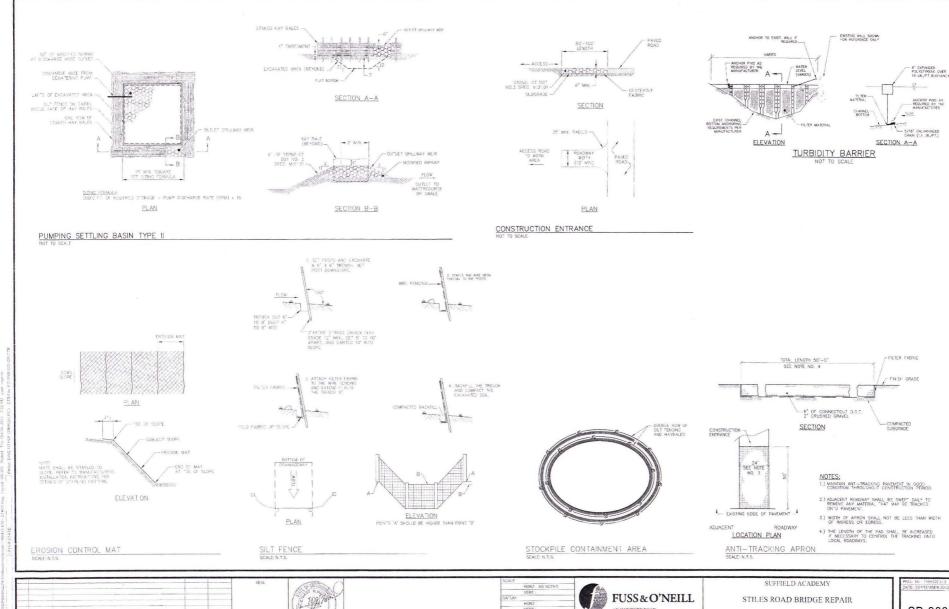
SUFFIELD ACADEMY STILES ROAD BRIDGE REPAIR

GENERAL NOTES

SGN-101







GRAPHIC SCALE



TYPICAL DETAILS

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