

March, 2015

STORMWATER POLLUTION CONTROL PLAN

University of Connecticut
**NORTH EAGLEVILLE ROAD AREA INFRASTRUCTURE
REPAIR/REPLACEMENT PHASE II – YOUNG QUAD**
Mansfield/Storrs, Connecticut



Prepared for:
University of Connecticut

Prepared by:
AECOM

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1.0 INTRODUCTION

This Stormwater Pollution Control Plan (Plan) has been prepared on behalf of the University of Connecticut for the North Eagleville Road Area Infrastructure Repair/Replacement Phase II – Young Quad project located in Mansfield, Connecticut. The intent of this project is to replace 5,500 linear feet of existing deteriorating utilities which service several buildings in vicinity of Young Quad.

The existing sanitary sewer, water, steam, electrical and telecommunication conduits are at or near their anticipated life cycle. These utilities must be replaced to provide adequate and consistent services to the adjacent dorms, class rooms and laboratories.

The purpose of this Plan is to identify and manage activities that may affect the quality of stormwater runoff generated during the construction activity. This Plan has been developed in accordance with the requirements of the State of Connecticut General Permit for the Discharges of Stormwater and Dewatering Wastewaters from Construction Activities effective July 1, 2013 (General Permit), the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control (Guidelines), and the 2004 Connecticut Stormwater Quality Manual (Manual).

During construction, the construction contractor(s) shall be responsible for implementing all elements of the erosion and sedimentation control measures as defined in the Contract Documents and in this SPCP. After construction, the permittee shall be responsible for maintaining the erosion and sedimentation control measures.

Throughout the construction process, the appointed agent and the Contractor shall periodically inspect all erosion control measures by the terms established in this SPCP. This construction project will not be considered complete until all disturbed areas have been satisfactorily stabilized, all erosion has been repaired, and all temporary erosion control measures have been removed.

2.0 SITE DESCRIPTION

2.1 Site Location

The proposed utilities will run on the Storrs Campus property which totals approximately 3,826 acres, the Young Quad area is a small part of the campus located just east of the Route 195 and North Eagleville Road intersection'. The total area that is expected to be disturbed is approximately 2.0 acres.

2.2 Existing Project Area

The project area associated with the project work is located on University property and consists of lawn, concrete walk ways and scattered landscaped areas surrounded by dormitories, class rooms and laboratories.

2.3 Nature of the Construction Activity

The University of Connecticut is proposing to replace the 5,500 linear feet of existing sanitary sewer, water, steam, electrical and telecommunication conduits. The alignment of the new utilities will closely mirror the existing. Once the proposed conduits are installed the existing services will be removed from service and abandoned in place.

Construction of these utilities will generally consist of a shallow trench excavation of approximately 6 feet deep and 5 feet wide. The pipe, including fittings, valves and structures, will be installed and backfilled. The disturbed area will be restored to match existing materials and grade.

The project is a linear utility project, and does not involve creating additional impervious surfaces. The post-development runoff characteristics will not differ significantly from the pre-development conditions; therefore retention of water quality volume is not required.

2.4 Runoff Coefficients

At the completion of the project, the proposed site will be restored to pre-construction conditions or better. As a result, there will be no change in the runoff coefficient.

2.5 Receiving Waters

At the completion of the project, the proposed site will be restored to existing conditions. It is not anticipated that any additional flow from stormwater will reach any receiving waters.

2.6 Wetlands

The proposed project does not impact any wetlands.

2.7 State Historic Preservation Office

Following procedures outlined in the General Permit, Appendix G, "State Historic Preservation Review", it has been determined that there is a low potential for prehistoric period archeological resources.

2.8 Impaired Waters

Stormwater from the site does not empty into a waterbody listed on the "Impaired Waters Table for Construction Stormwater Discharge" and therefore is not subject to the additional requirements for discharging to impaired waters.

3.0 SUGGESTED CONSTRUCTION SEQUENCING

The contractor shall comply with the following guidelines; with the goal minimize the amount of disturbed area at one time:

1. All erosion and sedimentation control measures shall be installed prior to the start of proposed work, soil erosion and sediment control measures shall conform to the "Connecticut Guidelines for Soil Erosion and Sedimentation Control" Revised 2002. See Appendix A, for SESC requirements.
2. The Contractor shall clear and grub only the areas that will be worked in the following 30 days. The area of disturbance (erodible surface) shall not exceed 2 acres at any given time.
3. All embankments slopes greater than or equal to 3:1 to be stabilized with erosion control blanket, North American Green S150BN or approved equal prior to the start of the next phase.
4. The contractor shall stabilize, remove erosion and sedimentation controls, and restore the disturbed areas to pre-construction condition or better prior moving on to the next work area.

4.0 STORMWATER CONTROL MEASURES

4.1 EROSION AND SEDIMENT CONTROLS

4.1.1 Soil Stabilization and Protection Practices

Limit of Disturbance – It is anticipated that only the areas within the limit of disturbance will be at risk for erosion. No more than two acres will be disturbed at any given time. Any vegetation outside of these defined limits will be preserved by the measures described in this Plan.

Temporary Vegetative Cover – If any exposed areas or stockpiles will be inactive for more than thirty (30) days and have not yet reached finished grades, they shall receive a temporary vegetative cover within seven (7) days after the suspension of work.

Permanent Vegetative Cover – The installation of permanent vegetation shall be placed on all exposed areas within seven (7) days of final grading.

Winter Stabilization – Long term and winter stabilization will conform to the provisions of the Best Management Practice (BMP), CTDOT Standard Specifications and Guidelines

4.1.2 Erosion Control Barriers

Silt Fence and Hay Bales- Structural practices that will be implemented will include silt fences and hay bales. Silt fence and hay bales will be installed along downhill side of all excavations. The silt fence and hay bales will reduce down gradient siltation by acting as sediment filters. These filters remove sediment transported by sheet flow.

4.2 MAINTENANCE DURING CONSTRUCTION

The erosion and sediment controls must be maintained in a condition that will protect the resource areas from pollution during and after site construction. The Contractor shall conduct the following maintenance to ensure the proper performance of erosion and sediment control measures during construction.

Silt Fence, Hay Bales, & Sediment Erosion Control Logs/Matting- Inspect the silt fence, hay bales or Erosion Control Logs/Matting at least once a week and within 24 hours of the end of a storm with rainfall amount of 0.5 inch or greater. Replace or repair fence within 24 hours of observed failure. When repetitive failure occurs at the same location, review conditions and limitations for use and determine if additional controls are needed to reduce failure. Maintain the fence until the contributing area is stabilized.

Pumping Settling Basin- Inspect the pumping settling basin at least every two hours during periods of use. Remove accumulated sediments when the sediment accumulation equals one half the required storage volume. The accumulated sediment which is removed from the dewatering basin shall be disposed of properly. When dewatering has been completed, re-grade the area to finish grade and stabilize.

4.3 DEWATERING

Excavation dewatering shall not discharge directly into wetlands, watercourses, or storm sewer structures. Proper methods and devices shall be utilized, such as pumping water

into a temporary settling basin, providing surge protection at the inlet and outlet of pumps, floating the intake of the pump, or other methods to minimize and retain the suspended solids. If a pumping operation causes turbidity problems, the operation shall cease until feasible means of controlling turbidity are determined and implemented. Exact locations and sizes of the controls will be determined in the field, but will be located within the project's limit of disturbance.

5.0 OTHER CONTROLS

Construction Entrance- The purpose of a construction entrance is to reduce the tracking of sediment off site onto paved surfaces. The stone stabilized pad will be maintained by providing periodic top dressing with additional stone or additional length as conditions demand.

Waste Disposal – Best management Practices will be implemented to reduce the discharge of litter, debris, building materials, hardened concrete, or similar materials to waters of the State.

Dust Control – The Contractor will utilize dust control measures to prevent the movement of dust from exposed soil surfaces. Wet dust suppression shall be used in accordance with section 22a-174-18(b) of the Connecticut General Statutes, for any construction activity that causes airborne particulates. No discharge of dust control water shall contain or cause a visible oil sheen, floating solids, visible discoloration, or foaming in the receiving stream.

6.0 INSPECTION

The site must be inspected initially for Plan implementation within the first 30 days following commencement of the construction activity. The site shall be inspected at least once and no more than three times during the first 90 days to ensure proper implementation of all control measures designated in the plan. Inspections must be completed by qualified personnel as defined in Section 2 of the General Permit.

Beyond the initial inspection, weekly routine inspections and inspections within 24 hours of a rainfall event that generates a discharge (only during normal work hours) must be completed for the site until a Notice of Termination has been submitted. A rain gauge is required to be on site to document rainfall amounts. The inspections include a summary of the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, weather conditions including precipitation information, major observations related to erosion and sediment controls, and the implementation of the SPCP, a description of the stormwater discharge from the site, and any water quality monitoring performed during the inspection.

Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be

visually inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site sediment tracking.

The report must include a statement that the site is either in compliance or out of compliance with the Plan. If the Plan is out of compliance the report shall include the corrective action needed to have the Plan in compliance. Non-engineered corrective actions (as identified in the Guidelines) shall be implemented on site within 24 hours and incorporated into a revised Plan within three (3) calendar days of the date of inspection unless another schedule is specified in the Guidelines. Engineered corrective actions (as identified in the Guidelines) shall be implemented on site within seven (7) days and incorporated into a revised Plan within ten (10) days of the date of inspection, unless another schedule is specified in the Guidelines or is approved by the commissioner. During the period in which any corrective actions are being developed and have not yet been fully implemented, interim measures shall be implemented to minimize the potential for the discharge of pollutants from the site. The report shall be signed by the permittee or its assigned agent, and will become part of the Plan.

A blank copy of the Inspection Report is included in Appendix B.

7.0 MONITORING

The proposed project will include monthly monitoring for turbidity. Monthly sampling, shall be completed during normal work hours and will begin when there is discharge from the site during construction activity, and until final stabilization of the drainage area associated with each outfall is achieved. Sampling is not required if there is no stormwater discharge or if the conditions pose a threat to the safety of the person taking the sample. If there is no stormwater discharge during a month, sampling is not required.

All samples shall be collected from discharges resulting from a storm event that occurs at least 24 hours after any previous storm event generating a stormwater discharge. Grab samples shall be taken at least three separate times during a storm event. Samples may be taken manually or by an in-situ turbidity probe or other automatic sampling device equipped to take individual turbidity readings (i.e. not composite). The average of the three samples will be reported. The first sample shall be taken within the first hour of stormwater discharge from the site. If there is no discharge during any given monitoring period, the permittee shall submit the form as required and indicate "no discharge" for monitoring results.

Sampling is required of all point source discharges of stormwater from disturbed areas. This project is defined as a liner project, therefore, where there are ten (10) discharge points that discharge substantially identical runoff, based on similarities of the exposed soil, slope, and type of stormwater controls used a sample may be taken from just one of the discharge points. If the project is planned to continue for more than one year, the permittee shall rotate twice per year that location where samples are taken so that a different discharge point is sampled every six months.

The outfalls identified to be monitored during construction, which are authorized by this General Permit, are shown in Appendix C. One outfall is identified which is an existing manhole at the downstream pipe of the work area. All outfalls being monitored are existing outfalls and shall be monitored for dewatering purposes. All sampling points shall be clearly marked in the field with a flag, stake, or other visible mark.

Within 30 days following the end of each month, permittees shall enter the stormwater sampling result(s) on the Stormwater Monitoring Report (SMR) form (available at www.ct.gov/deep/stormwater) and submit it in accordance with the NetDMR provisions, or to the Bureau of Materials Management and Compliance Assurance.

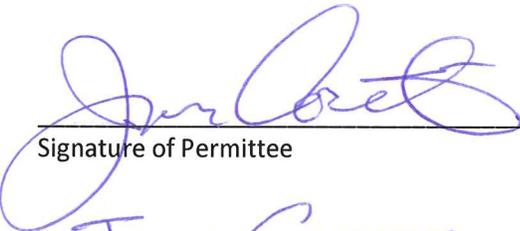
8.0 POST CONSTRUCTION STORMWATER MANAGEMENT & CONTROLS

At the end of construction, all areas disturbed by construction activities shall be stabilized. The site will be restored to pre-construction conditions or better. All stormwater structures shall be cleaned prior to a termination inspection. All temporary erosion control measures shall be removed prior to filing a Notice of Termination for the project. A Notice of Termination Form is included in Appendix E.

9.0 CERTIFICATION

9.1 PERMITTEE

"I hereby certify that I am making this certification in connection with a registration under such general permit, submitted to the Commissioner by the **University of Connecticut** for an activity located in **various locations in Mansfield, Connecticut** and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify that I have made an affirmative determination in accordance with Section 3(b)(8)(B) of this general permit. I understand that the registration filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Connecticut General Statutes. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."



Signature of Permittee

JASON COITE

Name of Permittee

3/16/15

Date

ENVIRONMENTAL COMPLIANCE

Title MANAGER

9.2 PROFESSIONAL ENGINEER

"I hereby certify that I am a professional engineer licensed in the State of Connecticut. I am making this certification in connection with a registration under such general permit, submitted to the Commissioner by the **University of Connecticut** for an activity located in **various locations in Mansfield, Connecticut**. I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the project or activity covered by this certification. I further certify, based on such review and on the standard of care for such projects, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, the Stormwater Quality Manual, as amended, and the conditions of the general permit, and that the controls required for such Plan are appropriate for the site. I further certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement in this certification may subject me to sanction by the Department and/or be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."



Signature of Professional Engineer

3/16/15

Date

PETER SAMULIS

Name of Professional Engineer

VICE PRESIDENT

Title

JRS CORPORATION AES

9.3 CONTRACTORS AND SUBCONTRACTORS

"I certify under penalty of law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as a Contractor or Subcontractor at the site, I am authorized by this General Permit, and must comply with the terms and conditions of this General Permit, including but not limited to the requirements of the Stormwater Pollution Control Plan prepared for the site."

Signed: _____ Date: _____

Printed Name: _____ Company: _____

Project Role: _____

Signed: _____ Date: _____

Printed Name: _____ Company: _____

Project Role: _____

Signed: _____ Date: _____

Printed Name: _____ Company: _____

Project Role: _____

Signed: _____ Date: _____

Printed Name: _____ Company: _____

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Project Role: _____

Signed: _____ Date: _____

Printed Name: _____ Company: _____

Project Role: _____

UNIVERSITY OF CONNECTICUT
NORTH EAGLEVILLE ROAD AREA INFRASTRUCTURE
REPAIR/REPLACEMENT PHASE II – YOUNG QUAD
UCONN PROJECT NO. 901954

STORMWATER POLLUTION CONTROL PLAN

APPENDIX A
SITE PLANS

STATE OF CONNECTICUT UNIVERSITY OF CONNECTICUT



SUSAN HERBST
PRESIDENT

NORTH EAGLEVILLE ROAD AREA
INFRASTRUCTURE REPAIR/REPLACEMENT AND UPGRADE
PHASE II - YOUNG QUAD UTILITIES
STORRS CAMPUS

CONTRACT DOCUMENTS

PROJECT NO. 901954

PREPARED FOR:

PLANNING, ARCHITECTURAL & ENGINEERING SERVICES

31 LEDOYT RD. UNIT 3038
STORRS, CT 06269
860-486-3127

DRAFT - APRIL 2, 2015

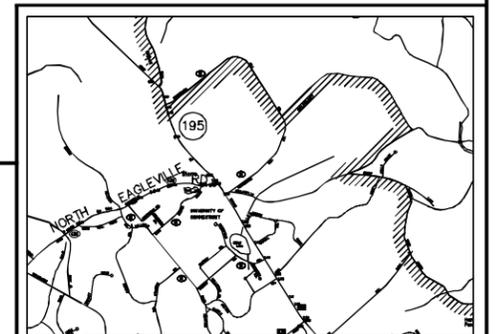
PROJECT CONSULTANT

Civil Engineer:

AECOM
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
1-(800)-529-8882

CONTRACT DRAWINGS

T1	TITLE SHEET
C-1	LEDGEND, SURVEY CONTROL & GENERAL NOTES
C-2	EXISTING CONDITIONS PLAN
C-3	COMPOSITE UTILITY PLAN
C-4	SANITARY FORCE MAIN PLAN AND PROFILE
C-5	SANITARY SEWER PLAN AND PROFILE
C-6	WATER MAIN SERVICE PLAN
C-7	ELECTRICAL SERVICE PLAN
C-8	STEAM AND CONDENSATE SERVICE PLAN
C-9	TELE-COMMUNICATIONS SERVICE PLAN
C-10	TREE PROTECTION AND PRESERVATION PLAN
C-11	SOIL EROSION AND SEDIMENTATION CONTROL PLAN
C-12	SANITARY FORCE MAIN DETAILS
C-13	SANITARY SEWER DETAILS
C-14	WATER MAIN DETAILS
C-15	WATER MAIN CONNECTION DETAILS
C-16	ELECTRICAL DETAILS
C-17	ELECTRICAL AND TELECOMMUNICATION DUCTBANK DETAILS
C-18	STEAM AND CONDENSATE DETAILS
C-19	STEAM AND CONDENSATE CONNECTION DETAILS
C-20	TELE-COMMUNICATION DETAILS
C-21	LANDSCAPING DETAILS
C-22	SOIL EROSION AND SEDIMENTATION CONTROL DETAILS
C-23	SITE MATERIALS PLAN
C-24	MISCELLANEOUS SITE DETAILS
M-01	MAINTENANCE AND PROTECTION OF TRAFFIC ROUTE 195
M-02	PEDESTRIAN DETOUR PLAN
M-03	MAINTENANCE AND PROTECTION OF TRAFFIC ROUTE 195 DETAILS



PROJECT SITE LOCATION
NO SCALE

CERTIFICATION:

STATUS:
Not for Construction

CONSULTANT:

AECOM
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
1-(860)-529-8882

REVISIONS:

MARK	DATE	DESCRIPTION



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STORRS, CONNECTICUT 06269-3038
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PROJECT:

DRAFT
NORTH EAGLEVILLE ROAD AREA
INFRASTRUCTURE
REPAIR/REPLACEMENT
PHASE II
YOUNG QUAD UTILITIES

PROJECT NO: 901954

WORK ORDER NO:

FILE NAME:
F:\CPL\YOUNG QUAD\SHEET\C-03

AUTHOR: PETER SAMMIS

DRAFTER: KEVIN MCKENNA

SCALE: AS NOTED

PRINT DATE: APRIL 2, 2015

SHEET TITLE:

COMPOSITE UTILITY PLAN

SHEET:

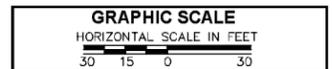
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LEGEND

- PROPOSED ELECTRICAL
- PROPOSED TELEDATA
- PROPOSED WATER MAIN
- PROPOSED SANITARY FORCE MAIN
- PROPOSED STEAM
- REPLACE GRAVITY SEWER



SOIL EROSION AND SEDIMENTATION CONTROL NOTES

1. CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" (1-800-922-4455) AND UCONN, OFFICE OF FACILITIES AT LEAST 48 HOURS PRIOR TO ANY FILL OR EXCAVATION OPERATION.
2. IMPLEMENTATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL CONFORM TO THE CONTRACT DRAWINGS AND SPECIFICATIONS OR TO THE CTDEP "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL," REVISED 2002, WHICHEVER IS MORE STRINGENT.
3. CONSTRUCTION ENTRANCES, PERIMETER SEDIMENTATION BARRIERS AND PROTECTION AT EXISTING INLETS SHALL BE INSTALLED PRIOR TO ANY EXCAVATION (INCLUDING THE REMOVAL OF STUMPS).
4. IT IS THE INTENT OF THESE PLANS TO SHOW THE INITIAL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES REQUIRED. ACTUAL LOCATIONS OF CONTROLS MAY CHANGE AS CONSTRUCTION PROCEEDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL CONTROL MEASURES AS REQUIRED OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
5. SEE SHEET C-22 FOR ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL NOTES AND DETAILS.
6. USE OF A TYPE 1 PUMPING SETTLING BASIN SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER DURING CONSTRUCTION ACTIVITIES.



CERTIFICATION:

STATUS:
Not for Construction

CONSULTANT:

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ROCKY HILL, CT 06067
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REVISIONS:

MARK	DATE	DESCRIPTION



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TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:

DRAFT
NORTH EAGLEVILLE ROAD AREA
INFRASTRUCTURE
REPAIR/REPLACEMENT
PHASE II
YOUNG QUAD UTILITIES

PROJECT NO: 901954

WORK ORDER NO:

FILE NAME:
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AUTHOR: PETER SAMMIS

DRAFTER: KEVIN MCKENNA

SCALE: AS NOTED

PRINT DATE: APRIL 2, 2015

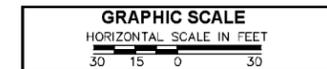
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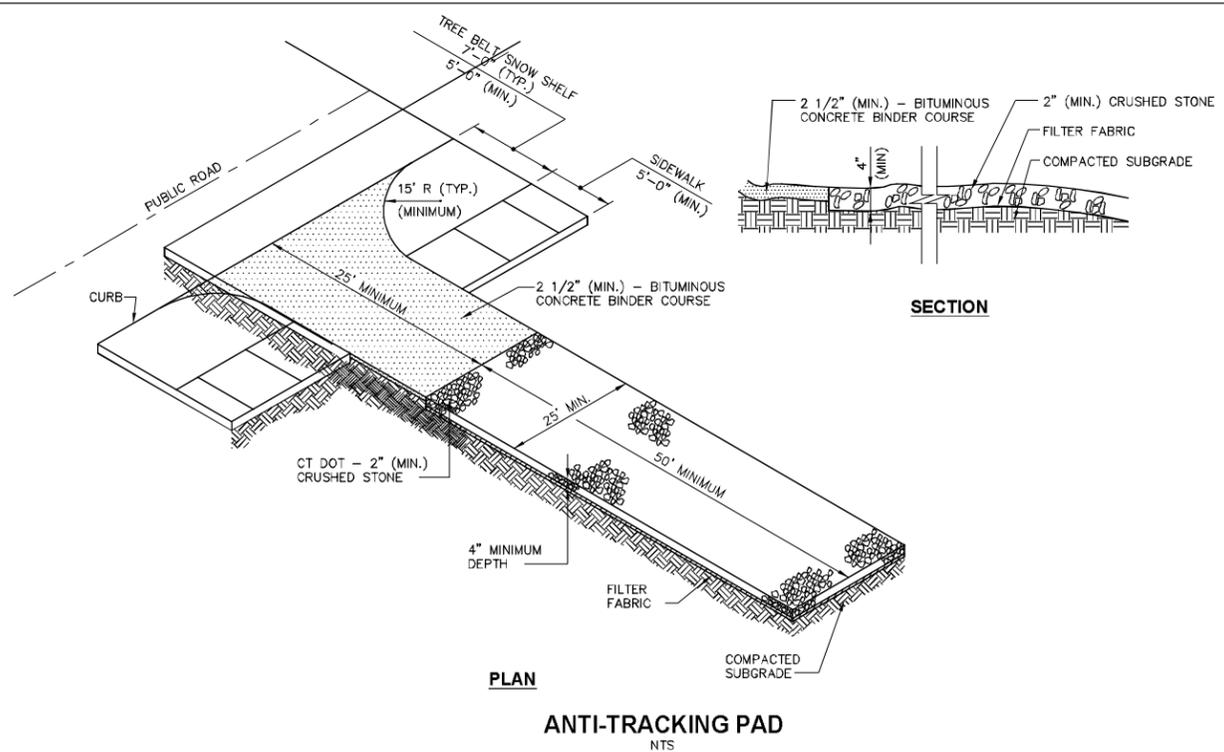
SOIL EROSION AND SEDIMENTATION CONTROL PLAN

SHEET:

C-11

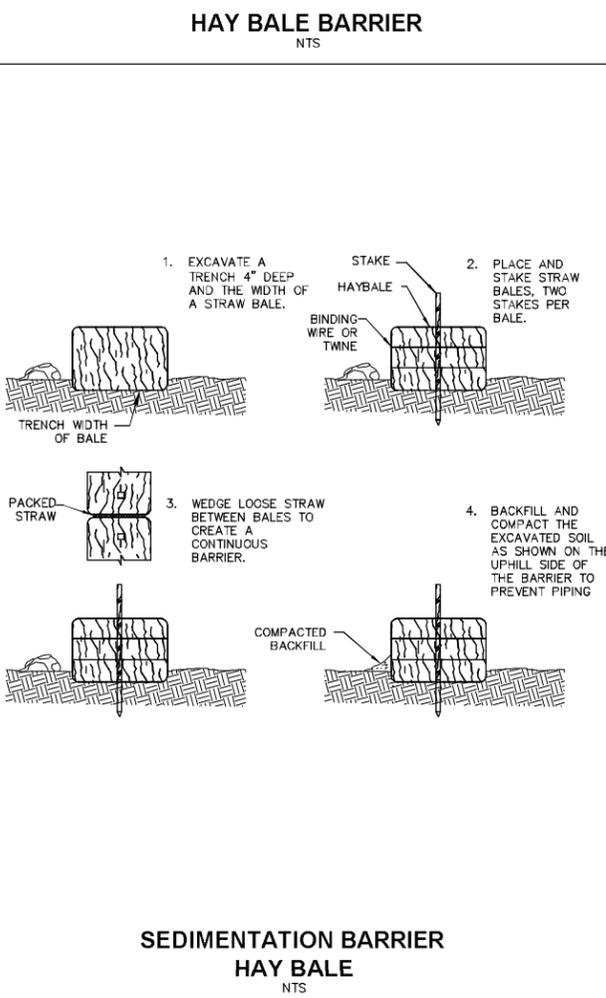
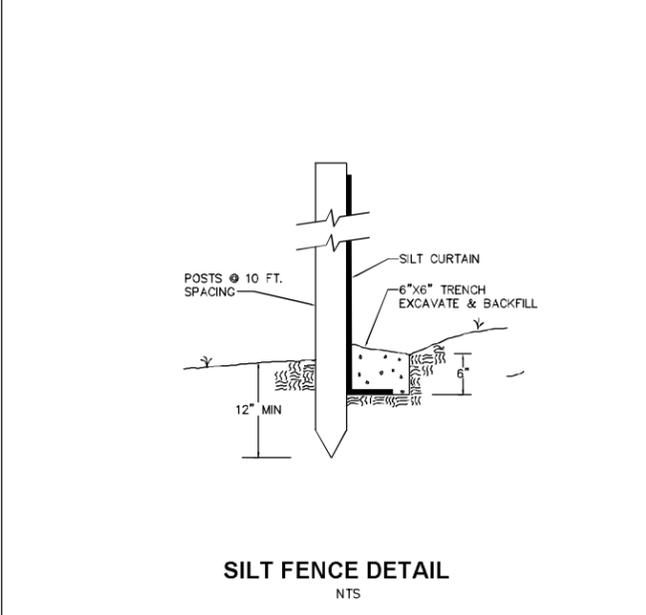
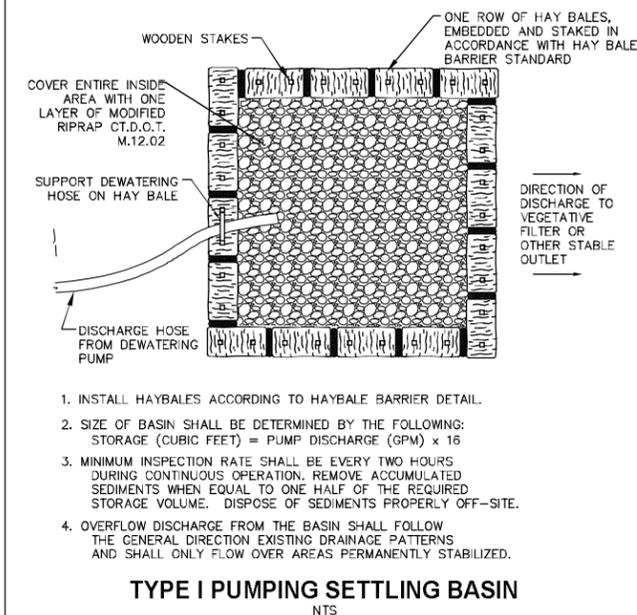
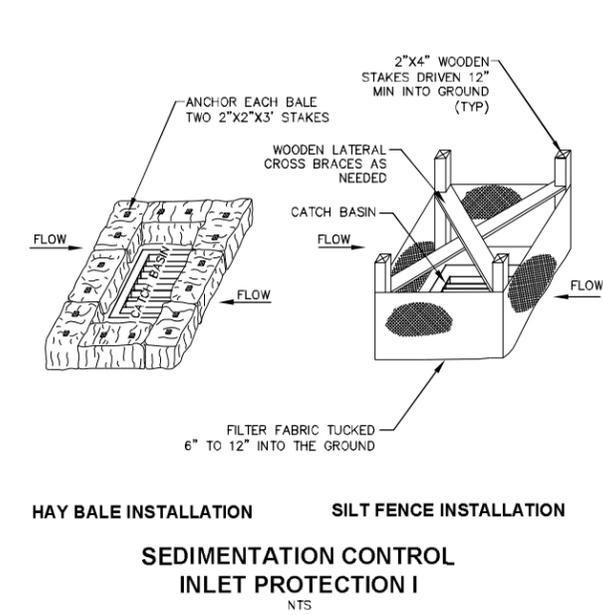
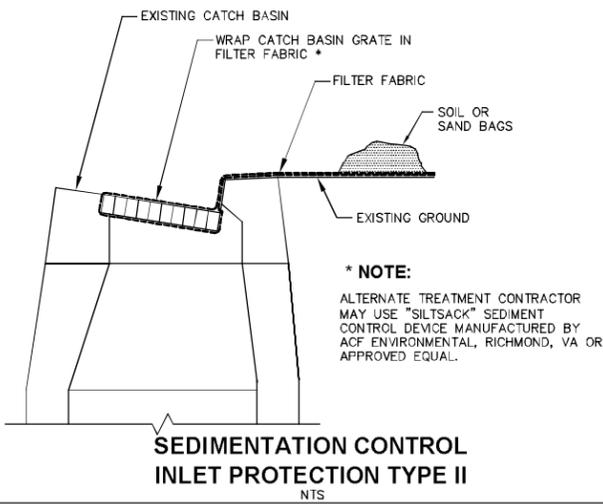
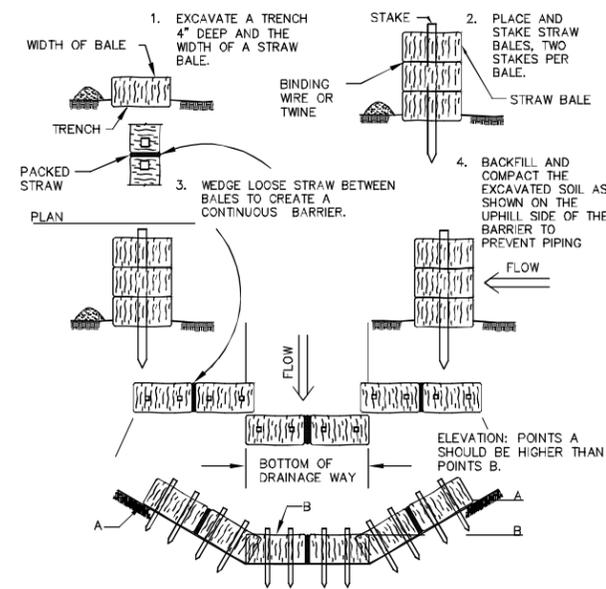
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SOIL EROSION AND SEDIMENTATION CONTROL NOTES

- CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" (1-800-922-4455) AND UCONN, OFFICE OF FACILITIES AT LEAST 48 HOURS PRIOR TO ANY FILL OR EXCAVATION OPERATION.
- IMPLEMENTATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL CONFORM TO THE CONTRACT DRAWINGS AND SPECIFICATIONS OR TO THE CTEP "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL," REVISED 2002, WHICHEVER IS MORE STRINGENT.
- CONSTRUCTION ENTRANCES, PERIMETER SEDIMENTATION BARRIERS AND PROTECTION AT EXISTING INLETS SHALL BE INSTALLED PRIOR TO ANY EXCAVATION (INCLUDING THE REMOVAL OF STUMPS).
- IT IS THE INTENT OF THESE PLANS TO SHOW THE INITIAL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES REQUIRED. ACTUAL LOCATIONS OF CONTROLS MAY CHANGE AS CONSTRUCTION PROCEEDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL CONTROL MEASURES AS REQUIRED OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- AREAS DISTURBED BY CONSTRUCTION WHICH WILL NOT BE COVERED BY PAVEMENT, CURBING, OR SIDEWALKS SHALL BE PROVIDED WITH A PERMANENT OR TEMPORARY VEGETATIVE COVER OR MULCHED. THE COVER SHALL BE PROVIDED WITHIN 7 DAYS OF FINAL GRADING.
- IF WORK OF A DISTURBED AREA IS SUSPENDED AND/OR WILL NOT RECEIVE PERMANENT COVER WITHIN 30 DAYS, THEN THE AREAS SHALL BE PROTECTED WITH A MULCH OF HAY, JUTE MESH OR OTHER MATERIALS APPROPRIATE FOR TEMPORARY SOIL PROTECTION WITHIN 7 DAY OF SUSPENSION OF WORK. THESE MEASURES SHALL BE APPLIED IN CONFORMANCE WITH THE AFOREMENTIONED GUIDELINES.
- LONG TERM AND WINTER STABILIZATION WILL CONFORM TO THE PROVISIONS OF THE BEST MANAGEMENT PRACTICE (BMP), CTDOT STANDARD SPECIFICATIONS AND GUIDELINES.
- SEDIMENT AND DEBRIS TRAPPED BY SEDIMENT BARRIERS SHALL BE REMOVED AND DISPOSED OF AS DIRECTED BY THE OWNER'S REPRESENTATIVE OR AT A MINIMUM OF WHEN IT REACHES ONE HALF THE HEIGHT OF THE BARRIER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, INSPECTION, MAINTENANCE AND REMOVAL OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES. ALL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR WEEKLY DURING DRY WEATHER, AFTER EACH RUNOFF PRODUCING STORM, AND AT LEAST ONCE A DAY DURING PERIODS OF PROLONGED RAINFALL. REPAIR OR REPLACEMENT OF DAMAGED SEDIMENTATION OR EROSION CONTROL MEASURES SHALL BE DONE IMMEDIATELY. SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED AFTER UPLAND AREAS BECOME STABLE.
- PROVISIONS SHALL BE MADE TO SAFELY CONDUCT SURFACE RUNOFF TO PROTECTED STORM DRAINS OR PROTECTED OUTLETS TO ENSURE THAT SURFACE RUNOFF WILL NOT DAMAGE SLOPES OR OTHER GRADED AREAS.
- SEDIMENTATION BARRIERS SHALL BE INSTALLED AS CONSTRUCTION PROCEEDS AT THE TOES OF SLOPES, ACROSS SWALES AND ACROSS OPEN GRADED SURFACES. ALL AS NECESSARY TO CONTAIN SEDIMENTATION TRANSPORT.
- SIDE SLOPES OF STOCKPILED MATERIAL SHALL NOT EXCEED TWO HORIZONTAL TO ONE VERTICAL.
- ALL EROSION CONTROLS MUST REMAIN IN PLACE UNTIL AUTHORIZED FOR REMOVAL BY THE OWNER'S REPRESENTATIVE.
- ALL EMBANKMENT SLOPES 3:1 OR GREATER TO BE STABILIZED WITH EROSION CONTROL BLANKET UNLESS OTHERWISE NOTED ON THE DRAWINGS.



CERTIFICATION:

STATUS: Not for Construction

CONSULTANT:

AECOM
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
1-(860)-529-8882

REVISIONS:

MARK	DATE	DESCRIPTION

UNIVERSITY OF CONNECTICUT
PLANNING, ARCHITECTURAL & ENGINEERING SERVICES
31 LEDOYT ROAD UNIT 3038
STORRS, CONNECTICUT 06269-3038
TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:

DRAFT

NORTH EAGLEVILLE ROAD AREA
INFRASTRUCTURE
REPAIR/REPLACEMENT
PHASE II
YOUNG QUAD UTILITIES

PROJECT NO: 901954
WORK ORDER NO:
FILE NAME:
F:\CIVIL\YOUNG QUAD\901954\02

AUTHOR: PETER SAMMIS
DRAFTER: KEVIN MCKENNA
SCALE: AS NOTED
PRINT DATE: APRIL 2, 2015
SHEET TITLE:
SOIL EROSION AND SEDIMENTATION CONTROL DETAILS

SHEET: C-22

SHEET: ___ of ___

UNIVERSITY OF CONNECTICUT
NORTH EAGLEVILLE ROAD AREA INFRASTRUCTURE
REPAIR/REPLACEMENT PHASE II – YOUNG QUAD
UCONN PROJECT NO. 901954

STORMWATER POLLUTION CONTROL PLAN

APPENDIX B
INSPECTION REPORT

INSPECTION REPORT

**UNIVERSITY OF CONNECTICUT
WATER MAIN SUPPLY LINE – PHASE 2
MANSFIELD/STORRS, CT**

Date of Inspection _____

Inspector's Name _____

Employed by _____

Type of Inspection (Circle One): Monthly / Weekly / Within 24 hrs of Storm

Stabilization Practices:

Major Observations or Deficiencies	Actions Taken	Date Completed

Structural Practices:

Major Observations or Deficiencies	Actions Taken	Date Completed

Signature of Inspector

Date

Signature of Owner

Date

UNIVERSITY OF CONNECTICUT
NORTH EAGLEVILLE ROAD AREA INFRASTRUCTURE
REPAIR/REPLACEMENT PHASE II – YOUNG QUAD
UCONN PROJECT NO. 901954

STORMWATER POLLUTION CONTROL PLAN

APPENDIX C
OUTFALL MONITORING PLAN



SCALE: 1" = 80'

YOUNG QUAD – UTILITY IMPROVEMENTS

APPENDIX C:
OUTFALL MONITORING
PLAN



500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: UCONN – NORTH EAGLEVILLE ROAD AREA
INFRASTRUCTURE REPAIR/REPLACEMENT
PROJECT NUMBER: 901954

FILE NAME:
PROJECT LEADER: PSS
DESIGNED BY:
SHEET TITLE: OUTFALL MONITORING PLAN

PLOT DATE: MARCH 2015
DRAWN BY: KJM
CHECKED BY:
SHEET OF

UNIVERSITY OF CONNECTICUT
NORTH EAGLEVILLE ROAD AREA INFRASTRUCTURE
REPAIR/REPLACEMENT PHASE II – YOUNG QUAD
UCONN PROJECT NO. 901954

STORMWATER POLLUTION CONTROL PLAN

APPENDIX D

STORMWATER MONITORING REPORT



**Connecticut Department of
Energy & Environmental Protection**
Bureau of Materials Management & Compliance Assurance
Water Permitting & Enforcement Division

**General Permit for the Discharge of Stormwater and Dewatering Wastewaters from
Construction Activities, issued 8/21/13, effective 10/1/13**
Stormwater Monitoring Report

SITE INFORMATION

Permittee: _____
 Mailing Address: _____
 Business Phone: _____ ext.: _____ Fax: _____
 Contact Person: _____ Title: _____
 Site Name: _____
 Site Address: _____
 Receiving Water (name, basin): _____
 Stormwater Permit No. GSN _____

SAMPLING INFORMATION (Submit a separate form for each outfall)

Outfall Designation: _____ Date/Time Collected: _____
 Outfall Location(s) (lat/lon or map link): _____
 Person Collecting Sample: _____
 Storm Magnitude (inches): _____ Storm Duration (hours): _____
 Size of Disturbed Area at any time: _____

MONITORING RESULTS

Sample #	Parameter	Method	Results (units)	Laboratory (if applicable)
1	Turbidity			
2	Turbidity			
3	Turbidity			
4	Turbidity			

(provide an attachment if more than 4 samples were taken for this outfall)

Avg = _____

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: _____
 Signature: _____ Date: _____

Please send completed form to:

DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
 BUREAU OF MATERIALS MANAGEMENT AND COMPLIANCE ASSURANCE
 79 ELM STREET
 HARTFORD, CT 06106-5127
 ATTN: NEAL WILLIAMS