MILLER CONSTRUCTION, INC.

P.O. BOX 86 ASCUTNEY BLVD WINDSOR, VERMONT 05089-0086
TELEPHONE (802) 674-5525 / FAX (802) 674-5245

TRANSMITTAL

TO: Andrea Wright, PE, CPESC Construction Environmental Engineer Vermont Agency of Transportation National Life Building, Drawer 33 Montpelier, VT 05633	DATE	PROJECT NO.
	4/5/2013	Jamaica ER-BRF 015-1 (23)

XX WE ENCLOSE THE FOLLOWING: _____ UNDER SEPARATE COVER WE ARE SENDING THE FOLLOWING

COPIES	NUMBER	DESCRIPTION	CODE
1		EPSC Plan - Revision 1	H

CODE:

A FOR INITIAL APPROVAL
B FOR FINAL APPROVAL
C APPROVED AS NOTED-RESUBMISSION REQUIRED
D APPROVED AS NOTED-RESUBMISSION NOT REQUIRED
E DISAPPROVED-RESUBMIT
F QUOTATION REQUESTED
G APPROVED
H FOR APPROVAL
I AS REQUESTED OR REQUIRED
J FOR USE IN ERECTION
K LETTER FOLLOWS
L FOR FIELD CHECK
M FOR YOUR USE

BY: Paul J. Hallberg

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
for
State of Vermont Project: Jamaica ER-BRF 015-1 (23)

Town of: Jamaica, Vermont
County of: Windham

STATE OF VERMONT
PAUL J. HOLLOWAY
NO. 9068
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

4/4/13

Prepared By:

Miller Construction, Inc.
P.O. Box 86
Windsor, VT 05089
Tel. (802) 674-5525
Fax. (802) 674-5245

February 15, 2013

Revised April 4, 2013

EROSION PREVENTION AND SEDIMENT CONTROL PLAN FOR State of Vermont Project: Jamaica ER-BRF 015-1 (23)

TABLE OF CONTENTS

General Project Description and Timetable

Erosion Prevention and Sediment Control Plan

On-Site Plan Coordinator and Qualifications

Erosion and Sediment Control Monitoring

Plan Preparer Qualifications

Contact Information

Attachment 1: Location Map & EPSC Drawings (E1 – E5B)

Attachment 2: EPSC Standard Details

Attachment 3: Inspection Checklist

Attachment 4: Waste Area Application and Clearances

Attachment 5: Army Corps of Engineers Authorization

Erosion Prevention and Sediment Control Plan
Jamaica ER-BRF 015-1 (23)

General Project Description and Timetable

The Jamaica ER-BRF 015-1 (23) project involves the replacement of Bridge 30 which is located in the Town of Jamaica on Vermont Route 30, approximately 4.8 miles South of the Northern junction of Vermont Route 100 and 30. There is currently a temporary bridge in place, off alignment, that was installed after Tropical Storm Irene. The new structure will be approximately 132 feet in length with 243 feet of roadway work. This project also involves the replacement of an existing box culvert. The new precast concrete box culvert will be approximately 85 feet in length.

Erosion Prevention and Sediment Control Plan

There are eleven main phases to the Jamaica ER-BRF 015-1 (23) project.

Phase I. Mobilization, Office Trailers, Erosion Control and Traffic Control
Phase II. Excavation and Piles
Phase III. Substructure Concrete
Phase IV. Installation of Stone Fill
Phase V. Installation of Superstructure
Phase VI. Installation of Drainage Structure
Phase VII. Approach Work and Paving
Phase VIII. Removal of Temporary Bridge and Approaches
Phase IX. Installation of New Box Culvert
Phase X. Partial Removal and Filling of Existing Box Culvert
Phase XI. Final Soil Stabilization and Clean-up

Phase I. Install silt fence and project demarcation fence prior to any earth moving work. Clearing may be performed prior to installation, but grubbing shall only occur after the silt fence and project demarcation fence are in place. Because this project falls under CGP 3-9020, barrier fence shall be used instead of project demarcation fence within 100 feet of a water resource. Woven wire reinforced silt fence shall be used instead of silt fence within 100 feet upslope of receiving waters.

Anti-tracking pads shall be installed at entrances to the site per Sheet E4A and the Standard Specification prior to any vehicular traffic leaving the site after earth moving activities have begun.

A filter curtain shall be installed prior to any channel work.

Phase II. During excavation, disturbed soil shall be stabilized at the end of each work day with 3 inches of mulch hay and subsequent netting, unless there is no precipitation forecast within 24 hours, and work will resume at the same disturbed area within 24 hours. Side slope erosion control matting shall be installed per Sheet E4A and the Standard Specification once the excavation is complete.

Any spoils produced by the drilling of soil and/or rock will not be allowed to reach the Ball Mountain Brook. Timely removal of spoils shall be the primary measure to eliminate this risk.

No additional erosion control measures shall be required for pile installation.

Phase III. No additional erosion control measures shall be required for substructure concrete.
It is not anticipated that dewatering of the excavation will be necessary. If groundwater is encountered, this plan shall be amended to include a discharge procedure.

Phase IV. No additional erosion control measures shall be required for installation of stone fill.

Phase V. No additional erosion control measures shall be required for superstructure installation. Care shall be taken to eliminate any material or debris from falling into the Ball Mountain Brook during girder erection and deck placement.

Phase VI. Inlet protection devices shall be installed per Sheet E4A and the Standard Specification at the drainage structure on the West end of the bridge.

Phase VII. No additional erosion control measures shall be required for approach work and paving.

Phase VIII. Care shall be taken to eliminate any material or debris from falling into the Ball Mountain Brook during the removal of the temporary bridge.
Care taken shall include inspection and cleaning of any loose material on the temporary bridge prior to removal, EPSC Plan review with personnel as part of the Bridge Removal Plan, and immediate retrieval of any material, should it fall into the Ball Mountain Brook.

During removal of the approaches, disturbed soil shall be stabilized at the end of each work day with 3 inches of mulch hay and subsequent netting, unless there is no precipitation forecast within 24 hours, and work will resume at the same disturbed area within 24 hours. Side slope erosion control matting shall be installed per Sheet E4A and the Standard Specification once the removal is complete.

Phase IX. During excavation for the box culvert, disturbed soil shall be stabilized at the end of each work day with 3 inches of mulch hay and subsequent netting, unless there is no precipitation forecast within 24 hours, and work will resume at the same disturbed area within 24 hours.

Phase X. Care shall be taken to eliminate any flowable fill from reaching the Ball Mountain Brook from the existing box culvert. After removal of the headwalls and wingwalls, a proper seal shall be maintained on the culvert outlet until the fill has cured. ***Care taken shall include the inspection of the formwork prior to placement by the On-Site Coordinator in regard to the potential of flowable fill escaping around the edges of the form. Inspections during and after placement shall also occur.***

Phase XI. Removal of all temporary erosion control measures shall be performed after all final erosion control measures are in place and vegetation has been established.

Additional Erosion Prevention and Sediment Control Notes:

It is anticipated that the majority of site disturbance activities will occur between April 15th and October 15th. However, should site disturbance activities be required outside of these dates, requirements per *The Low Risk Site Handbook for Erosion Prevention and Sediment Control* shall be adhered to.

Measures included in this plan, but not limited to, are as follows:

1. Mulch shall be applied at twice the specified rate (3 inch minimum with 80% - 90% cover). Snow and Ice buildup shall be limited to 1 inch or less. In excess of 1 inch of snow and ice shall be removed before the mulch is applied.

2. Erosion Control Matting to protect the mulch from the wind. Erosion Control Matting shall be installed over the hay mulch ounce final grade is established.

3. Construction Entrances shall be maintained throughout the winter period.

4. Snow Removal: Prior to snowfall, the snow stockpile areas shall be reviewed with the Resident Engineer. Snow removal areas shall be 25' feet from silt fence lines.

5. Monitoring: Monitoring shall be done daily at un-stabilized areas. Areas with installed temporary erosion control measures, monitoring shall be completed per standard guidelines.

Engineer's Trailer and Waste Areas:

It is anticipated that the Engineer's Trailer will be located in the staging area adjacent to the Fire Department's back parking lot. The attached Off-Site Activity Submittal has been submitted to Karen Spooner and upon approval, shall be filed with the Resident Engineer.

The waste areas for this project include Cersosimo Industries Jamaica Quarry and Bazin Brother's Gravel Pit located in Westminster. Attached offsite exemption forms shall be filed with the Resident Engineer.

On Site Plan Coordinator and Qualifications:

Miller Construction, Inc. has designated Raymond Estey as the on-site plan coordinator. Mr. Estey has been working in the construction industry for over 27 years, 18 of which have been in a supervisory position with Miller Construction, Inc. Raymond has completed numerous VT AOT and NH DOT projects through-out his career. This experience has made him familiar with construction practices as related to erosion and sediment control. Raymond will be responsible for the weekly monitoring reports, informing the Resident Engineer of any changes to the Erosion Prevention and Sediment Control Plan, and subsequent documentation.

Monitoring Erosion Prevention and Sediment Control:

The monitoring requirements are as follows:

Active Construction: Inspection shall occur once every seven calendar days and within 24 hours of the end of a storm event that results in a discharge of storm water from the site. During the winter construction season (October 15th - April 15th), inspection at all sites shall occur daily.

Total area of disturbance is approximately 1.63 acres. The project falls under the jurisdiction of General Permit 3-9020 and is considered a low risk project. Inspections shall be conducted using the enclosed agency's EPSC Plan Inspection Report for Low Risk Projects.

Immediate action shall be taken to correct the discharges of sediment, including halting or reducing construction activities as necessary, until the discharge and/or the condition is fully corrected. Corrective actions shall be recorded on the monitoring reports and shown on the EPSC Plan. Each report shall be signed by the On-site Plan Coordinator.

Inactive Construction: Periods such as shutdown during the winter season shall require inspection and reporting of erosion prevention and sediment control measures. The contractor shall contact the Engineer prior to conducting any inspections. The inspections shall be conducted at least once every 30 days and within 24 hours of any storm or significant snowmelt event that may cause storm water runoff to leave the construction site. The contractor shall provide, within 24 hours, the necessary personnel, equipment, and materials to repair or correct any deficiencies identified during inspection. All deficiencies and corrective measure taken shall be documented on the reports.

Copies of all reports shall be submitted to the Engineer within 24 hours of inspection or when corrective measures were taken. Copies of all reports shall be kept on site in the Contractor's project files.

Plan Preparer:

This Plan has been prepared by Paul Holloway, VT P.E. Credential Number 90661.

Plan Preparer Contact Information:

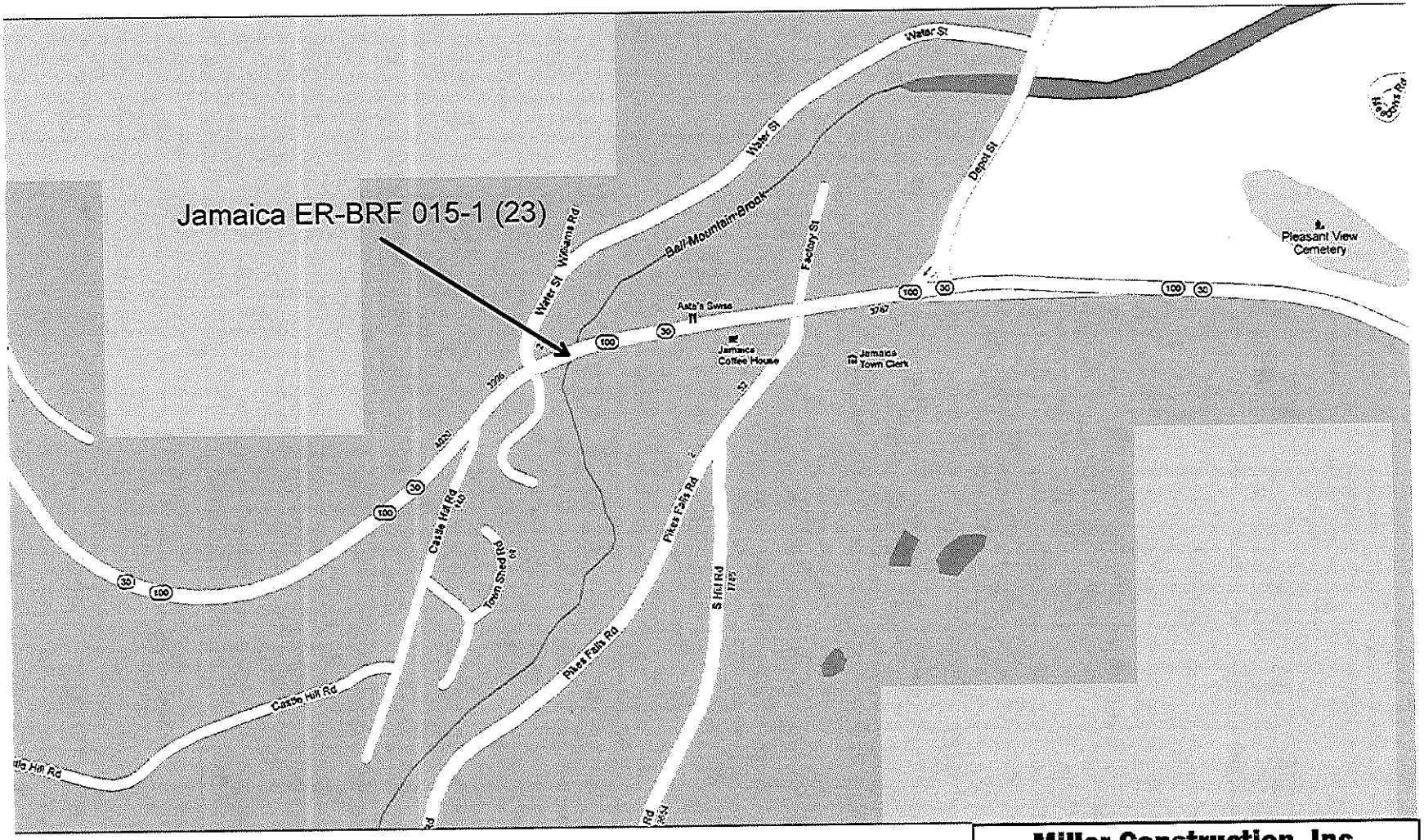
Paul Holloway: (802) 291-2771

Project Contact Information:

Raymond Estey: (802) 369-0614
Miller Construction, Inc. Office: (802) 674-5525
Paul Holloway: (802) 291-2771
Eric Murphy: (802) 369-6015

Attachment 1

Location Map and EPSC Drawings



Miller Construction, Inc.		
Windsor, Vermont		
Jamaica ER-BRF 015-1 (23)		
EPSC Plan		
Erosion Control		Sheet
Location Map		E1
Date 2/15/2013	Scale NTS	

EPSC PLAN NARRATIVE

1.1 PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REPLACEMENT OF BRIDGE 30 WHICH IS LOCATED IN THE TOWN OF JAMAICA ON VERMONT ROUTE 30, APPROXIMATELY 4.8 MILES SOUTH OF THE NORTHERN JUNCTION OF VERMONT ROUTE 100 AND 30. THERE IS CURRENTLY A TEMPORARY BRIDGE IN PLACE, OFF ALIGNMENT, THAT WAS INSTALLED AFTER TROPICAL STORM IRENE. THE NEW STRUCTURE WILL BE APPROXIMATELY 132 FEET IN LENGTH WITH 243 FEET OF ROADWAY WORK. THIS PROJECT ALSO INVOLVES THE REPLACEMENT OF AN EXISTING BOX CULVERT. THE NEW PRECAST CONCRETE BOX CULVERT WILL BE APPROXIMATELY 85 FEET IN LENGTH.

TOTAL AREA OF DISTURBANCE AS SHOWN ON THE ATTACHED EPSC PLAN IS APPROXIMATELY 1.63 ACRES.

IT IS ANTICIPATED THAT THIS PROJECT WILL LAST ONE CONSTRUCTION SEASON.

1.2 SITE INVENTORY

1.2.1 TOPOGRAPHY
THE TOPOGRAPHY OF THE AREA IS RELATIVELY FLAT TO ROLLING AND LOCATED IN A SEMI URBAN AREA. THERE ARE RESIDENCES LOCATED ALONG BOTH SIDES OF ROUTE 30 FOR THE ENTIRE LENGTH OF THE PROJECT. THESE RESIDENCES HAVE WELL ESTABLISHED VEGETATION. VERMONT ROUTE 30, WATER STREET, CASTLE HILL ROAD AND THE DRIVE TO THE FIRE DEPARTMENT ARE WITHIN THE PROJECT AREA. FOR FINAL CONTOURS AND SLOPES SEE CROSS SECTION SHEETS.

1.2.2 DRAINAGE, WATERWAYS, BODIES OF WATER, AND PROXIMITY TO NATURAL OR MAN-MADE WATER FEATURES
BALL MOUNTAIN BROOK IS NOT THE ONLY WATER SOURCE IN THE PROJECT AREA. THE BROOK IS CLASSIFIED AS SINUOUS, ALLUVIAL AND CURRENTLY FLOOD DAMAGED. THE STREAM BED CONSISTS OF MOSTLY COBBLES WITH SOME GRAVEL AND BOULDERS. THERE IS ALSO AN UNNAMED BROOK FLOWING INTO BALL MOUNTAIN BROOK WITHIN THE PROJECT AREA.

1.2.3 VEGETATION
THE VEGETATION IN THE PROJECT AREA CONSISTS OF LAWNS WITH TREES. WELL ESTABLISHED TREES AND SHRUBS ARE LOCATED ALONG THE RIVER BANKS. THE IMPACT TO VEGETATION WILL BE LIMITED TO THAT WHICH IS DIRECTLY AFFECTED BY REPLACEMENT OF THE BRIDGE STRUCTURE AND BOX CULVERT. UPON PROJECT COMPLETION, THE CHANNEL WILL BE ARMORED WITH STONE FILL TYPE IV AS SPECIFIED ON THE PLANS. DISTURBED VEGETATION WILL BE REESTABLISHED WITH STANDARD SEED AND MULCH PRACTICES.

1.2.4 SOILS
ALL SOIL DATA CAME FROM THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE FOR THE COUNTY OF WINDHAM, VERMONT. SOILS ON THE PROJECT SITE ARE:

50B COLTON LOAMY FINE SAND	2% TO 8% SLOPES	"K FACTOR" = 0.17
16B ADAMS LOAMY FINE SAND	2% TO 8% SLOPES	"K FACTOR" = 0.17
61E HOUGHTONVILLE FINE SANDY LOAM	25% TO 50% SLOPES	"K FACTOR" = 0.49
48D RAWSONVILLE-HOGBACK FINE SANDY LOAM	15% TO 25% SLOPES	"K FACTOR" = 0.49
56B MONADNOCK FINE SANDY LOAM	3% TO 8% SLOPES	"K FACTOR" = 0.28

NOTE: K-VALUES GENERALLY INDICATE THE FOLLOWING:
0.0-0.23 = LOW EROSION POTENTIAL
0.24-0.36 = MODERATE EROSION POTENTIAL
0.37 AND HIGHER = HIGH EROSION POTENTIAL

1.2.5 SENSITIVE RESOURCE AREAS
CRITICAL HABITATS: NO
HISTORICAL OR ARCHEOLOGICAL AREAS: NO
PRIME AGRICULTURAL LAND: NO
THREATENED AND ENDANGERED SPECIES: NO
WATER RESOURCE: BALL MOUNTAIN BROOK
WETLANDS: NO

1.3 RISK EVALUATION
THIS PROJECT FALLS UNDER THE JURISDICTION OF GENERAL PERMIT 3-9020 FOR STORMWATER RUNOFF FROM CONSTRUCTION SITES FOR LOW RISK PROJECTS. ANY MODIFICATIONS TO THE PROJECT THAT INCREASE THE RISK TO ENVIRONMENTAL RESOURCES SHALL BE EVALUATED IN ACCORDANCE WITH THE PERMIT REQUIREMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ADDITIONAL PERMITTING.

1.4 EROSION PREVENTION AND SEDIMENT CONTROL
THE EROSION CONTROL PLANS ARE MEANT AS A GUIDELINE FOR PREVENTING EROSION AND CONTROLLING SEDIMENT TRANSPORT. THE PRINCIPLES OUTLINED IN THIS NARRATIVE CONSIST OF APPLYING MEASURES THROUGHOUT CONSTRUCTION OF THE PROJECT IN ORDER TO MINIMIZE SEDIMENT TRANSPORT TO THE RECEIVING WATERS. THE MEASURES INCLUDE STABILIZATION AND STRUCTURAL PRACTICES, STORM WATER CONTROLS AND OTHER POLLUTION PREVENTION PRACTICES. THEY HAVE BEEN PROPOSED BY THE DESIGNER AS A BASIS FOR PROTECTING RESOURCES AND WILL NEED TO BE BUILT UPON BASED ON THE SPECIFIC MEANS AND METHODS OF THE CONTRACTOR. REFER TO THE LOW RISK SITE HANDBOOK AND APPROPRIATE DETAIL SHEETS FOR SPECIFIC GUIDANCE AND CONSTRUCTION DETAILING.

ALL MEASURES SHALL BE REGULARLY MAINTAINED AND SHALL BE CHECKED FOR SEDIMENT BUILD-UP. SEDIMENT SHALL BE DISPOSED OF AT AN APPROVED SITE WHERE IT WILL NOT BE SUBJECT TO EROSION.

1.4.1 MARK SITE BOUNDARIES
SITE BOUNDARIES AND AREAS CONSTRUCTION EQUIPMENT CAN ACCESS SHALL BE DELINEATED.

PROJECT DEMARCATION FENCING (PDF) SHALL BE USED TO PHYSICALLY MARK SITE BOUNDARIES. BECAUSE THIS PROJECT FALLS UNDER THE CGP 3-9020, BARRIER FENCE SHALL BE USED INSTEAD OF PROJECT DEMARCATION FENCE WITHIN 100 FEET OF A WATER RESOURCE (STREAM, BROOK, LAKE, POND, WETLAND, ETC).

1.4.2 LIMIT DISTURBANCE AREA
PREVENTING INITIAL SOIL EROSION BY MINIMIZING THE EXPOSED AREA IS MUCH MORE EFFECTIVE THAN TREATING ERODED SEDIMENT. EARTH DISTURBANCE CAN BE MINIMIZED THROUGH CONSTRUCTION PHASING BY ONLY OPENING UP EARTH AS NECESSARY. THIS CAN LIMIT THE AREA THAT WILL BE DISTURBED AND EXPOSED TO EROSION. EMPLOY TEMPORARY CONSTRUCTION STABILIZATION PRACTICES IN INCREMENTAL STAGES AS PHASES CHANGE. FOR PROJECTS WHICH FALL UNDER THE CONSTRUCTION GENERAL PERMIT, ONLY THE ACREAGE LISTED ON THE PERMIT AUTHORIZATION MAY BE EXPOSED AT ANY GIVEN TIME.

MAINTAINING VEGETATED BUFFERS ALONG STREAM BANKS, WETLANDS OR OTHER SENSITIVE AREAS IS A CRUCIAL EROSION AND SEDIMENT CONTROL MEASURE THAT SHOULD BE ESTABLISHED WHEREVER POSSIBLE.

1.4.3 SITE ENTRANCE/EXIT STABILIZATION
TRACKING OF SEDIMENT ONTO PUBLIC HIGHWAYS SHALL BE MINIMIZED TO REDUCE THE POTENTIAL FOR RUNOFF ENTERING RECEIVING WATERS. INSTALLATION SHALL COINCIDE WITH THE CONTRACTORS PROGRESS SCHEDULE.

STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AS PROPOSED ON THE EPSC PLAN AND ANYWHERE EQUIPMENT WILL BE GOING FROM AREAS OF EXPOSED SOILS TO PAVED SURFACES.

1.4.4 INSTALL SEDIMENT BARRIERS
SEDIMENT BARRIERS SHALL BE UTILIZED TO INTERCEPT RUNOFF AND ALLOW SUSPENDED SEDIMENT TO SETTLE OUT. THEY SHALL BE INSTALLED PRIOR TO ANY UP SLOPE WORK.

FILTER CURTAIN SHALL BE INSTALLED AS PROPOSED ON THE EPSC PLANS PRIOR TO ANY CHANNEL WORK.

FILTER FABRIC DROP INLET PROTECTION SHALL BE INSTALLED AS PROPOSED ON THE EPSC PLANS.

BECAUSE THIS PROJECT FALLS UNDER THE CGP 3-9020, WOVEN WIRE REINFORCED SILT FENCE SHALL BE USED INSTEAD OF SILT FENCE WITHIN 100 FEET UPSLOPE OF RECEIVING WATERS.

1.4.5 DIVERT UPLAND RUNOFF
DIVERSIONARY MEASURES SHALL BE USED TO INTERCEPT RUNOFF FROM ABOVE THE CONSTRUCTION AND DIRECT IT AROUND THE DISTURBED AREA SO THAT CLEAN WATER DOES NOT BECOME MUDDIED WHILE TRAVELING OVER EXPOSED SOILS ON THE CONSTRUCITON SITE.

IT IS NOT ANTICIPATED THAT DIVERSIONARY MEASURES WILL BE NEEDED ON THIS PROJECT.

1.4.6 SLOW DOWN CHANNELIZED RUNOFF
CHECK STRUCTURES SHALL BE UTILIZED TO REDUCE THE VELOCITY, AND THUS THE EROSIVE POTENTIAL, OF CONCENTRATED FLOW IN CHANNELS.

IT IS NOT ANTICIPATED THAT CHECK STRUCTURES WILL BE NEEDED ON THIS PROJECT.

1.4.7 CONSTRUCT PERMANENT CONTROLS
PERMANENT STORM WATER TREATMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH PERMIT CONDITIONS. STONE FILL SHALL BE INSTALLED AS SHOWN ON THE EPSC PLANS. GEOTEXTILE SHALL BE INSTALLED BELOW THE STONE FILL TYPE IV AS SHOWN ON THE CHANNEL CROSS SECTIONS.

1.4.8 STABILIZE EXPOSED SOILS DURING CONSTRUCTION
ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY STABILIZATION IN PLACE WITHIN 48 HOURS OF DISTURBANCE OR IN ACCORDANCE WITH THE CONSTRUCTION GENERAL PERMIT 3-9020 AUTHORIZATION.

SURFACE ROUGHENING OF ALL EXPOSED SLOPES, COMBINED WITH TEMPORARY MULCHING, SHALL BE UTILIZED ON A REGULAR BASIS. BIODEGRADABLE EROSION CONTROL MATTING OR AN EQUIVALENT SHALL BE USED TO STABILIZE ALL SLOPES STEEPER THAN 1:3.

THE FORECAST OF RAINFALL EVENTS SHALL TRIGGER IMMEDIATE PROTECTION OF EXPOSED SOILS.

1.4.9 WINTER STABILIZATION
VARIOUS MEASURES SPECIFIC TO WINTER MAY BE NECESSARY SHOULD THE PROJECT EXTEND INTO WINTER (OCTOBER 15 THROUGH APRIL 15). REFER TO THE LOW RISK SITE HANDBOOK FOR GUIDANCE.

1.4.10 STABILIZE SOIL AT FINAL GRADE
THE URBAN SEED MIX SHALL BE USED ON ALL AREAS TO BE RE-VEGETATED AS SHOWN ON THE FINAL CONDITIONS PLANS.

EXPOSED SOIL MUST BE STABILIZED WITHIN 48 HOURS OF REACHING FINAL GRADE.

SEED, MULCH, FERTILIZER AND LIME SHALL BE USED TO ESTABLISH PERMANENT VEGETATION. FOR SLOPES STEEPER THAN 1:3, BIODEGRADABLE EROSION CONTROL MATTING OR AN EQUIVALENT SHALL BE USED INSTEAD OF MULCH.

1.4.11 DE-WATERING ACTIVITIES
DISCHARGE FROM DEWATERING ACTIVITIES THAT FLOWS OFF OF THE CONSTRUCTION SITE MUST NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE VERMONT WATER QUALITY STANDARDS.

TREATMENT OF DEWATERING COFFERDAM IS NOT ANTICIPATED.

1.4.12 INSPECT YOUR SITE
INSPECT THE PROJECT SITE BASED ON SPECIAL PROVISION REQUIREMENTS OR CONSTRUCTION GENERAL PERMIT AUTHORIZATION STIPULATIONS.

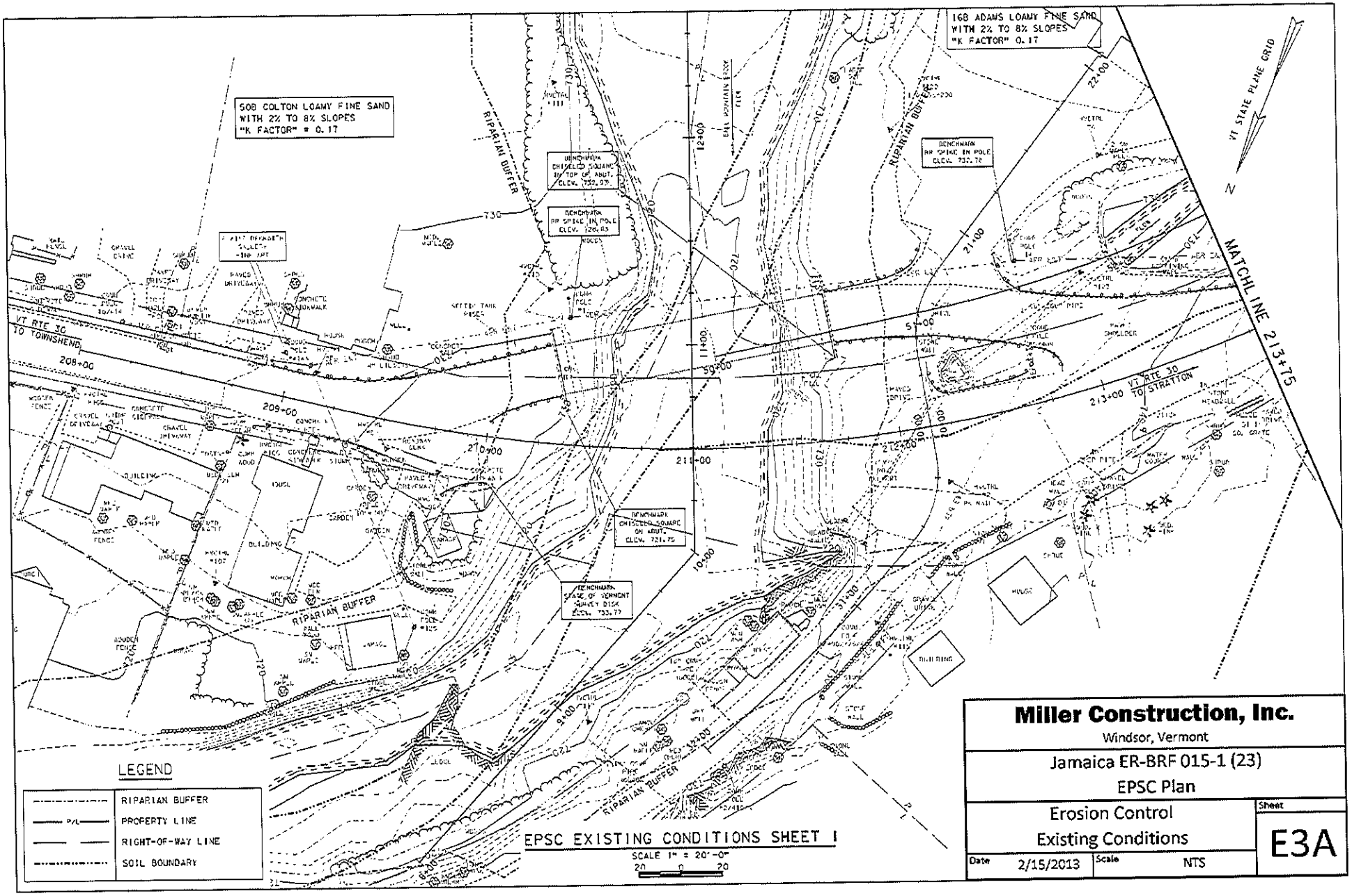
1.5 SEQUENCE AND STAGING

THIS SECTION WILL BE DEVELOPED BY THE CONTRACTOR USING THE GUIDANCE OUTLINED IN THE VTRANS EPSC PLAN CONTRACTOR CHECKLIST.

1.5.1 CONSTRUCTION SEQUENCE

1.5.2 OFF-SITE ACTIVITIES
IN ADDITION TO THE CONTRACTOR CHECKLIST ANY ACTIVITIES OUTSIDE THE CONSTRUCTION LIMITS SHALL FOLLOW SUBSECTION 105.25- 105.29 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

Miller Construction, Inc. Windsor, Vermont		
Jamaica ER-BRF 015-1 (23) EPSC Plan		
Erosion Control Narrative		Sheet E2
Date 2/15/2013	Scale NTS	



Miller Construction, Inc.

Windsor, Vermont

Jamaica ER-BRF 015-1 (23)

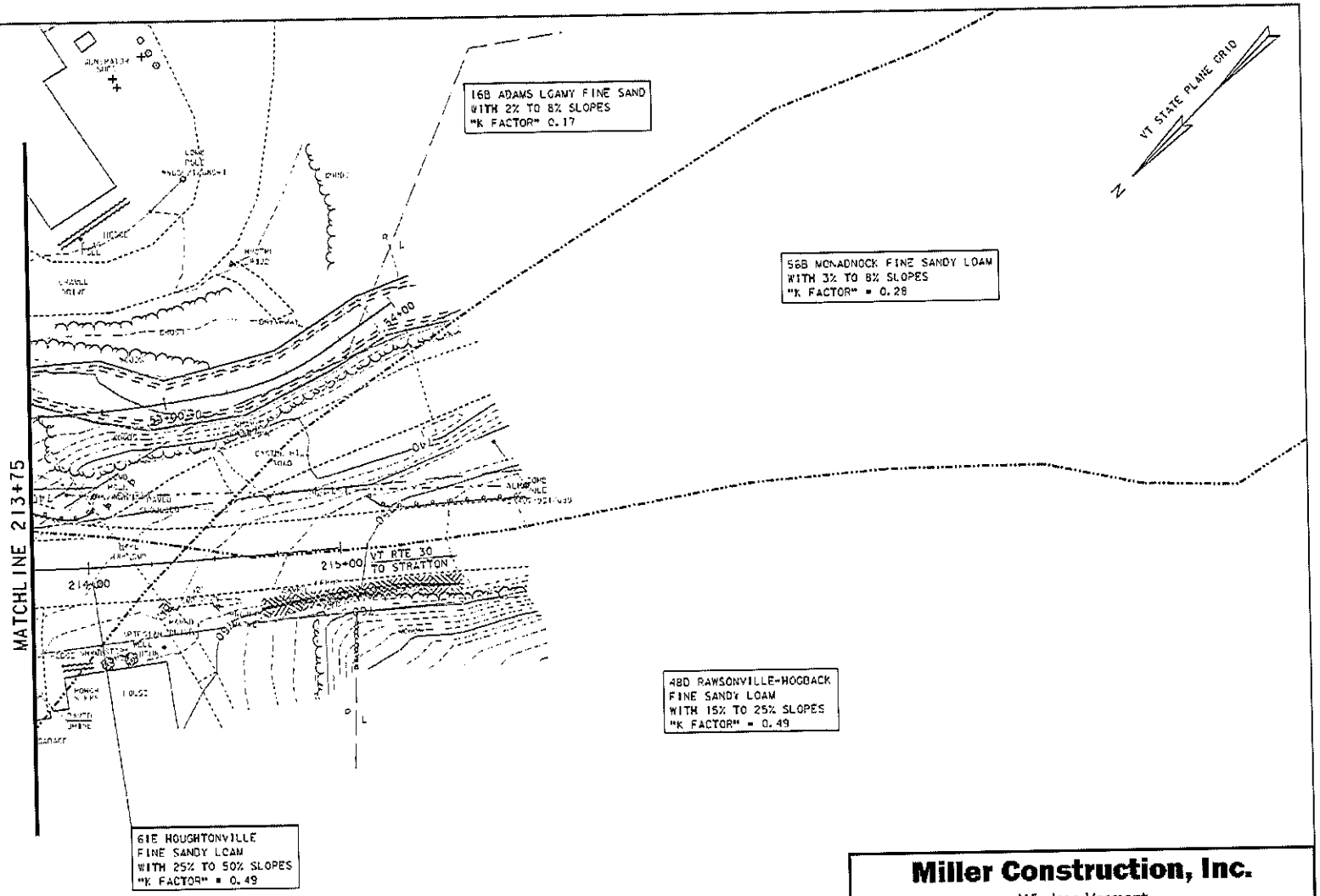
EPSC Plan

Erosion Control

Existing Conditions

Sheet E3A

Date 2/15/2013 | Scale NTS



LEGEND

	RIPARIAN BUFFER
P/L	PROPERTY LINE
	RIGHT-OF-WAY LINE
	SOIL BOUNDARY

EPSC EXISTING CONDITIONS SHEET 2

SCALE 1" = 20'-0"

20 0 20

Miller Construction, Inc.

Windsor, Vermont

Jamaica ER-BRF 015-1 (23)

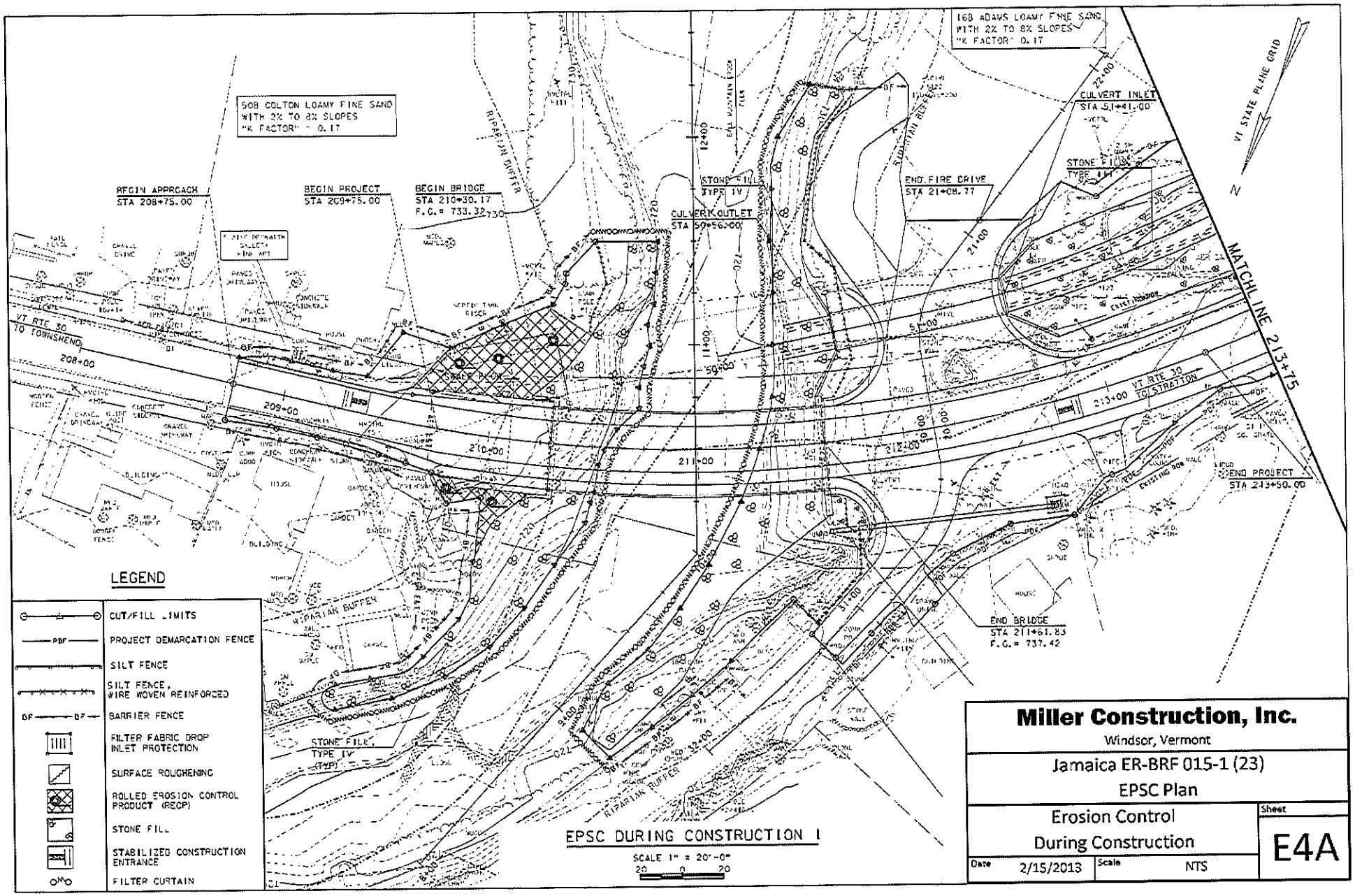
EPSC Plan

Erosion Control

Existing Conditions

Sheet E3B

Date 2/15/2013 Scale NTS



Miller Construction, Inc.

Windsor, Vermont

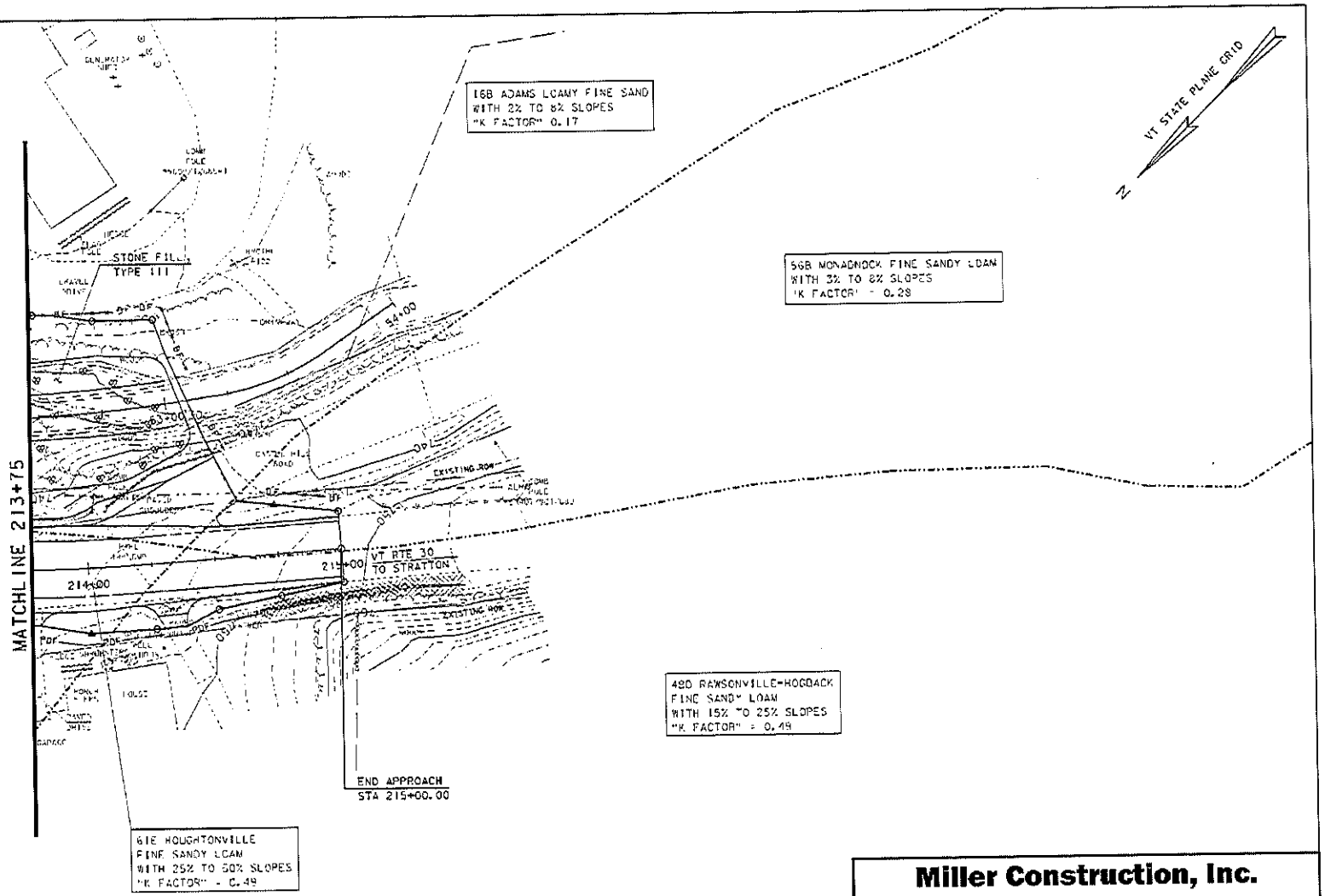
Jamaica ER-BRF 015-1 (23)

EPSC Plan

Erosion Control
During Construction

Sheet: E4A

Date: 2/15/2013 | Scale: NTS



LEGEND

- CUT/FILL LIMITS
- PROJECT DEMARCATION FENCE
- SILT FENCE
- SILT FENCE, WIRE WOVEN REINFORCED
- BARRIER FENCE
- FILTER FABRIC DROP INLET PROTECTION
- SURFACE ROUGHENING
- ROLLED EROSION CONTROL PRODUCT (RECP)
- STONE FILL
- STABILIZED CONSTRUCTION ENTRANCE
- TURBIDITY CURTAIN

EPSC DURING CONSTRUCTION 2

SCALE 1" = 20'-0"

20 0 20

Miller Construction, Inc.

Windsor, Vermont

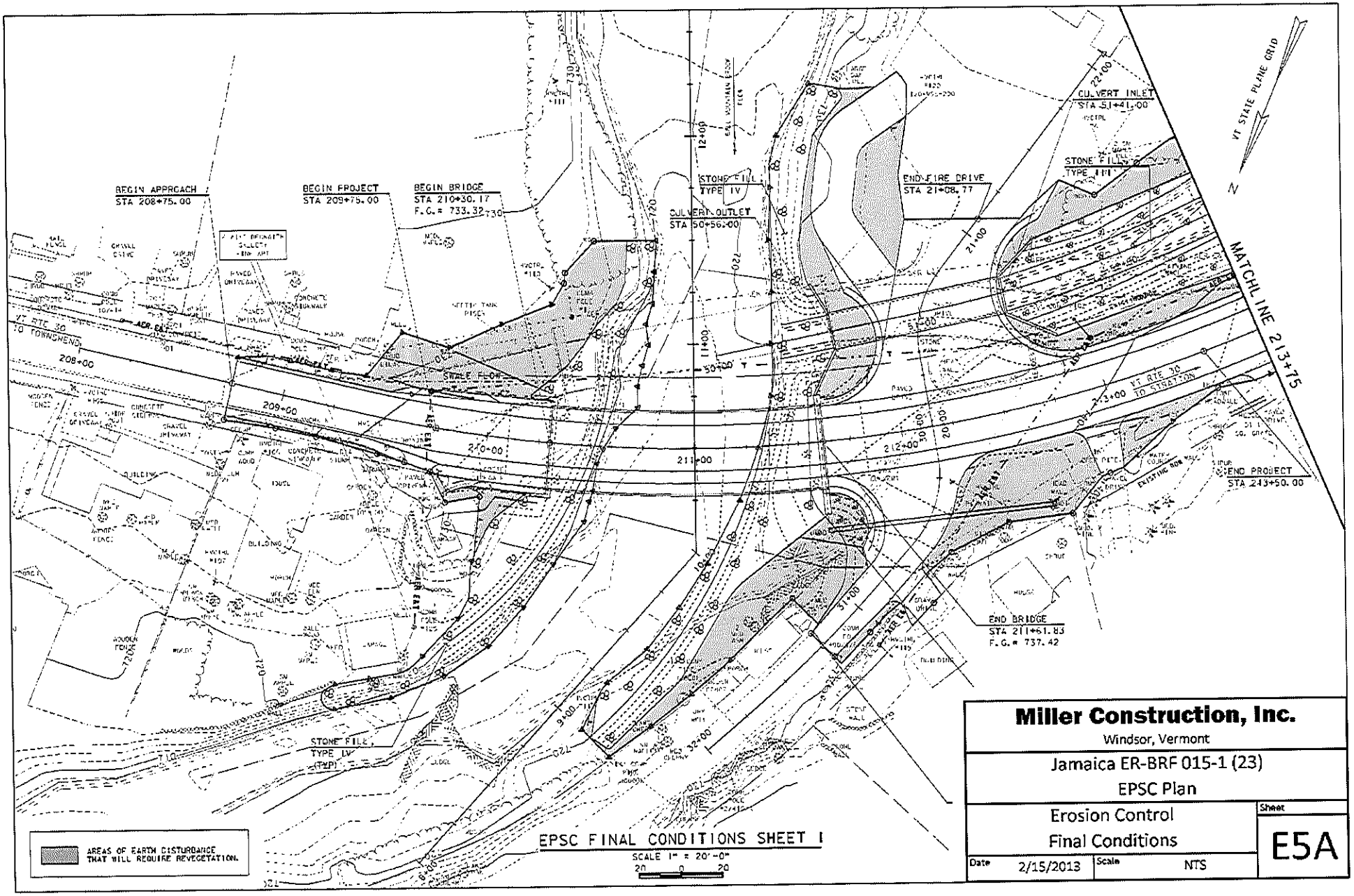
Jamaica ER-BRF 015-1 (23)

EPSC Plan

Erosion Control During Construction

Sheet E4B

Date 2/15/2013 | Scale NTS



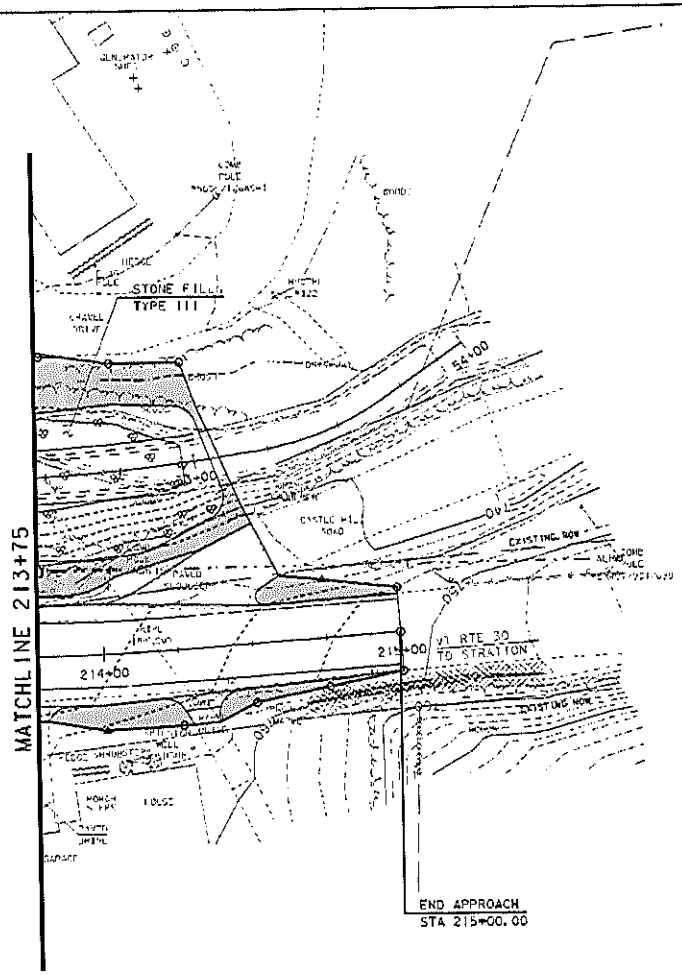
Miller Construction, Inc.
Windsor, Vermont

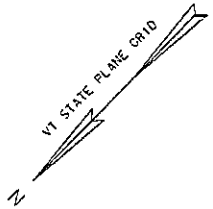
Jamaica ER-BRF 015-1 (23)
EPSC Plan

Erosion Control
Final Conditions

Sheet
E5A

Date 2/15/2013 | Scale NTS





AREAS OF EARTH DISTURBANCE THAT WILL REQUIRE REVEGETATION.

EPSC FINAL CONDITIONS SHEET 2

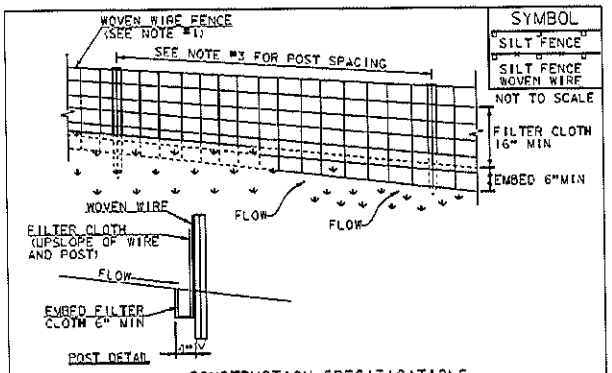
SCALE 1" = 20'-0"

20 0 20

Miller Construction, Inc. Windsor, Vermont		
Jamaica ER-BRF 015-1 (23) EPSC Plan		
Erosion Control Final Conditions		Sheet E5B
Date 2/15/2013	Scale NTS	

Attachment 2

EPSC Standard Details



CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE REINFORCED FENCE IS REQUIRED WITHIN 100' UPSLOPE OF RECEIVING WATERS WHEN THE PROJECT FALLS UNDER A CONSTRUCTION STORMWATER PERMIT. WOVEN WIRE SHALL BE A MIN. 14 GAUGE WITH A 6" MAX. MESH OPENING.
2. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI100X, STABILINKA T140N OR APPROVED EQUIVALENT.
3. POST SPACING FOR WIRE-BACKED FENCE SHALL BE 10' MAXIMUM. FOR FILTER-CLOTH FENCE, WHEN ELONGATION IS >50%, POST SPACING SHALL NOT EXCEED 4' AND WHEN ELONGATION IS <50%, POST SPACING SHALL NOT EXCEED 6'.
4. WOVEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6" AND FOLDED.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.

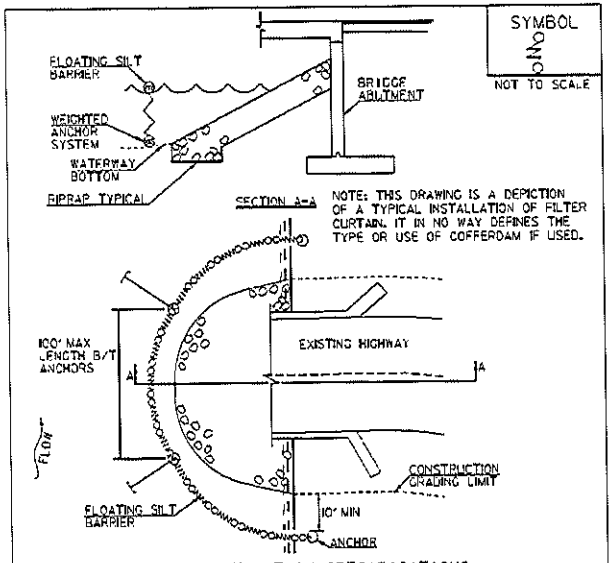
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SILT FENCE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 649 AND AS SHOWN IN THE PLANS FOR ~~GEOTEXTILE FOR SILT FENCE (PAY ITEM 649.50-00)~~ GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED (PAY ITEM 649.515).

REVISIONS	
MARCH 21, 2008	WHF
DECEMBER 8, 2008	WHF
JANUARY 13, 2009	WHF



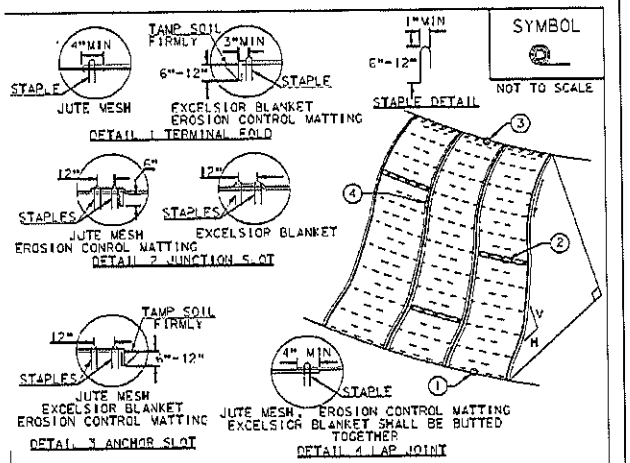
CONSTRUCTION SPECIFICATIONS

1. FILTER CURTAIN SHALL NOT BE PLACED ACROSS A FLOWING WATERWAY, OR IN A WATERWAY WITH STREAM VELOCITIES GREATER THAN 1.5 FEET/SECOND.
2. MAXIMUM 100' LENGTH BETWEEN ANCHORS.
3. LAST SECTION SHALL TERMINATE A MINIMUM OF 10' BEYOND LIMIT OF DISTURBANCE.
4. THE WEIGHTED ANCHOR SYSTEM SHALL BE A TYPE WHICH ALLOWS THE CURTAIN TO CONFORM TO THE BOTTOM OF THE WATERWAY.
5. THE CURTAIN SHALL BE REMOVED BY SLOWLY PULLING TOWARD THE SHORE MINIMIZING THE ESCAPE OF SEDIMENTS INTO WATERWAY.

FILTER CURTAIN

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 649 FOR GEOTEXTILE FOR FILTER CURTAIN (PAY ITEM 649.60).

REVISIONS	
APRIL 1, 2006	WHF
JANUARY 13, 2009	WHF
SEPTEMBER 4, 2009	WHF



CONSTRUCTION SPECIFICATIONS

1. APPLY TO SLOPES GREATER THAN 3H:1V OR WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
2. APPLY FERTILIZER, LIME SEED PRIOR TO PLACING MATTING.
3. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4'X225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4'X150' ROLL OF MATERIAL.
4. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
5. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

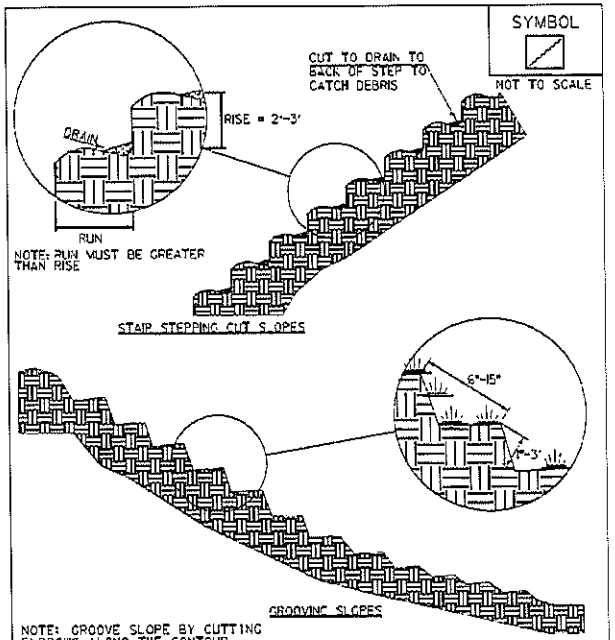
ROLLED EROSION CONTROL PRODUCT (RECP) SIDE SLOPE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 AND AS SHOWN IN THE PLANS FOR TEMPORARY EROSION MATTING (PAY ITEM 653.20) ~~OR TEMPORARY EROSION MATTING (PAY ITEM 653.30)~~.

REVISIONS	
APRIL 16, 2007	JMF
JANUARY 13, 2009	WHF

SYMBOL

NOT TO SCALE



NOTE: GROOVE SLOPE BY CUTTING FURROWS ALONG THE CONTOUR. IRREGULARITIES IN THE SOIL SURFACE CATCH RAINWATER AND RETAIN LIME, FERTILIZER AND SEED.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SURFACE ROUGHENING

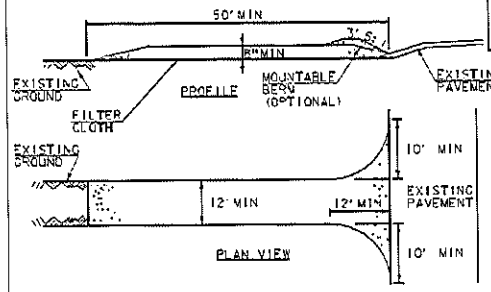
NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT

REVISIONS	
APRIL 4, 2008	WHF
JANUARY 13, 2009	WHF

SYMBOL

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE- USE 1-4" STONE, RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH- NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH APPLIES).
3. THICKNESS- NOT LESS THAN 8".
4. WIDTH- 12' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24' IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. SURFACE WATER- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

STABILIZED CONSTRUCTION ENTRANCE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR VEHICLE TRACKING PAD (PAY ITEM 653.35) OR AS SPECIFIED IN THE CONTRACT.

REVISIONS	
MARCH 24, 2008	WHF
JANUARY 13, 2009	WHF

VAOT RURAL AREA MIX

	LBS/AC				
% WEIGHT	BROADCAST	HYDROSEED	NAME	GERM %	PURITY %
37.5%	22.5	45	CREEPING RED FESCUE	85%	98%
37.5%	22.5	45	TALL FESCUE	90%	95%
5.0%	3	6	RED TOP	90%	95%
15.0%	9	18	BIRDSFOOT TREFOIL	85%	98%
5.0%	3	6	ANNUAL RYE GRASS	85%	95%
100%	60	120			

VAOT URBAN AREA MIX

	LBS/AC				
% WEIGHT	BROADCAST	HYDROSEED	NAME	GERM %	PURITY %
42.5%	34	68	CREEPING RED FESCUE	85%	98%
10.0%	8	16	PERENNIAL RYE GRASS	90%	95%
42.5%	34	68	KENTUCKY BLUE GRASS	85%	85%
5.0%	4	8	ANNUAL RYE GRASS	85%	95%
100%	80	160			

SOIL AMENDMENT GUIDANCE

FERTILIZER		LIME	
BROADCAST	HYDROSEED	BROADCAST	HYDROSEED
10-20-10	*FOLLOW*	PELLETIZED	*FOLLOW*
500 LBS/AC	*MANUFACTURER*	2 TONS/AC	*MANUFACTURER*

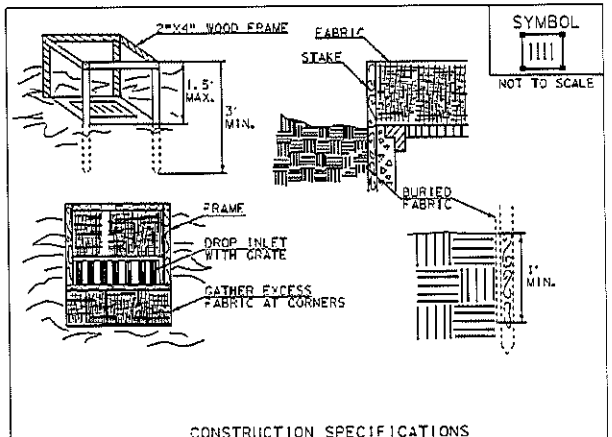
CONSTRUCTION GUIDANCE

1. RURAL SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
2. URBAN SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED LAWN AREAS DISTURBED BY THE CONTRACTOR.
3. ALL SEED MIXTURES: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
4. FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER
5. HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.
6. TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
7. HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED
8. TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.

ADAPTED FROM VTRANS TECHNICAL LANDSCAPE MANUAL FOR ROADWAYS AND TRANSPORTATION FACILITIES

TURF ESTABLISHMENT

REVISIONS	
JUNE 23, 2009	WHF
JANUARY 15, 2010	WHF
FEBRUARY 16, 2011	WHF



CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN APPARENT OPENING SIZE OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"x 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3'.
4. SPACE STAKES EVENLY AROUND INLET 3' APART AND DRIVE A MINIMUM 18" DEEP. SPANS GREATER THAN 3' MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1' MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
7. MAXIMUM DRAINAGE AREA 1 ACRE

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FILTER FABRIC DROP INLET PROTECTION

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR INLET PROTECTION DEVICE, TYPE I (PAY ITEM 653.40).

REVISIONS	
MARCH 7, 2008	WHF
JANUARY 13, 2009	WHF

Attachment 3

Inspection Checklist

VTrans Vermont Agency of Transportation	EPSC Plan Inspection Report (Non-Jurisdictional and Low Risk Projects)	
Project Name:	Date:	Time Since Last Storm:
Inspector:	On-Site Coordinator: (signature required)	

Measure Inspected	Y	N	STA/Off	Corrective Action (CA) Required	Date CA Occurred
Boundary Limits					
Site boundary markers are up and visible					
Disturbance is only occurring within marked boundaries					
Disturbance Area Limit					
Only acreage listed on *Authorization to Discharge* is disturbed at one time					
Stabilized Construction Entrance/Exit					
Off site tracking of sediment prevented					
Sediment Barriers					
Measure has been installed properly and is functioning as designed					
Accumulated sediment < ½ height of measure					
Diversion					
Upland stormwater is diverted around the work area					
Channelized Runoff					
Check structures are in place, extend the width of the channel, and have capacity to retain sediment in the next storm event					
Channels are stable with no erosion					
Exposed Soils Stabilization					
Seed and mulch, and/or matting placed in accordance w/ permit requirements and/or Specifications					
Soil is seeded and mulched or covered in erosion matting within 48 hours of final grade					
Winter Stabilization					
After Sept. 15 all disturbed areas are seeded & mulched to 3" deep or covered w/ matting					
For ongoing construction, exposed soil is mulched prior to forecasted events					
Dewatering Treatment					
Measure is preventing a discharge of turbid water from leaving the site					
Accumulated sediment is removed to allow sufficient treatment					

* Additional Measures and Discharges shall be reported on the back side of this form.

Vermont Agency of Transportation

EPSC Plan Inspection Report (Non-Jurisdictional and Low Risk Projects)

Measure Inspected	Y	N	STA/Off	Corrective Action	Date Taken
Additional Measures					
Discharges Noted					

* If there is a discharge of visibly discolored stormwater from the construction site to waters of the state, the On-Site Plan Coordinator shall inform the Resident Engineer and take corrective action and report the discharge in accordance with Section 6.1 of Permit 3-9020.

Attachment 4

Waste Area Application and Clearances

OFF-SITE ACTIVITY EXEMPTION RECORD

To be completed by the Contractor and filed with the Resident Engineer.
Check the appropriate exemption category from the boxes below.

Staging Area Exemptions

The placement of construction trailers, equipment, and/or non-erodible materials

- ☐ On existing paved or gravel surfaces which will not require any additional earth disturbance

Borrow Site Exemptions

- ☐ Existing, in-use gravel pits which have an Act 250 Permit as long as the use does not modify the conditions of said permit (Act 250 Permit # provided by Contractor)
- ☐ Existing, in-use, commercial gravel pits that are "Grandfathered" from the Act 250 Permit Review Process as long as a landowner signature is provided
- ☐ Inter-project Material Usage - The use of surplus materials from one project as borrow for another in which the owner and contractor are the same in both projects and neither involve work outside the respective contract construction limits

Waste Disposal Exemptions

- ☐ The use of project generated Solid Wastes to build the same project, or another project owned by the same entity
- ☒ Batch plants for recycling of materials and subsequent re-use
- ☐ The disposal of any (erodible or non-erodible) materials in an existing shed at any public transportation facility to which the material will be stored for later re-use
- ☐ Existing, in-use gravel pits which have an Act 250 Permit as long as the use does not modify the conditions of said permit (Act 250 Permit # provided by Contractor)
- ☐ Existing, in-use, commercial gravel pits that are "Grandfathered" from the Act 250 Permit Review Process as long as a landowner signature is provided
- ☐ Inter-project Material Usage - The use of surplus materials from one project as borrow for another in which the owner and contractor are the same in both projects and neither involve work outside the respective contract construction limits
- ☐ The disposal of hazardous materials at a facility which has been reviewed and approved by the Agency's Hazardous Materials Specialist

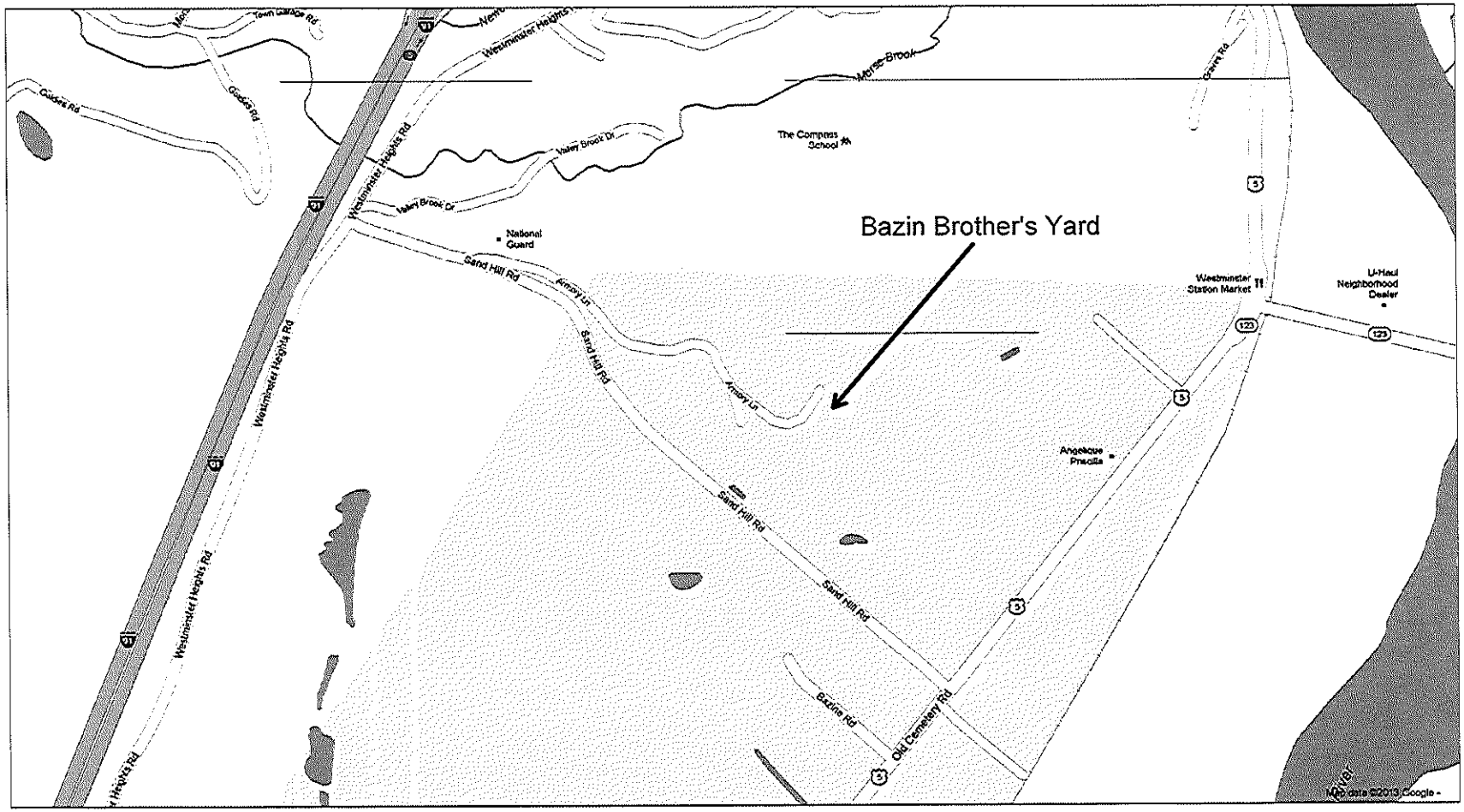
Project Name: Jamaica ER-BRF 015-1 (23)

Proposed Area Name: Bazin Brother's Yard

Landowner Signature: Robert J Bazin Pres

Act 250 Permit # (for Existing, In-use sites) _____

Act 250 Grandfathered Signature Robert J Bazin Pres
(Owner or authorized representative)


Bazin Brother's Yard
Town Garage Rd
Gaudet Rd
Westminster Heights Rd
Morse Brook
Valley Brook Dr
The Compass School
National Guard
Sand Hill Rd
Armory Ln
Westminster Station Market
U-Haul Neighborhood Dealer
Angelique Priscilla
Bazine Rd
Old Cemetery Rd
Crane Rd
Map data ©2013 Google

OFF-SITE ACTIVITY EXEMPTION RECORD

VTrans

To be completed by the Contractor and filed with the Resident Engineer.
Check the appropriate exemption category from the boxes below.

Staging Area Exemptions

The placement of construction trailers, equipment, and/or non-erodible materials

- ☐ On existing paved or gravel surfaces which will not require any additional earth disturbance

Borrow Site Exemptions

- ☐ Existing, in-use gravel pits which have an Act 250 Permit as long as the use does not modify the conditions of said permit (Act 250 Permit # provided by Contractor)
- ☒ Existing, in-use, commercial gravel pits that are "Grandfathered" from the Act 250 Permit Review Process as long as a landowner signature is provided
- ☐ Inter-project Material Usage - The use of surplus materials from one project as borrow for another in which the owner and contractor are the same in both projects and neither involve work outside the respective contract construction limits

Waste Disposal Exemptions

- ☐ The use of project generated Solid Wastes to build the same project, or another project owned by the same entity
- ☐ Batch plants for recycling of materials and subsequent re-use
- ☐ The disposal of any (erodible or non-erodible) materials in an existing shed at any public transportation facility to which the material will be stored for later re-use
- ☐ Existing, in-use gravel pits which have an Act 250 Permit as long as the use does not modify the conditions of said permit (Act 250 Permit # provided by Contractor)
- ☐ Existing, in-use, commercial gravel pits that are "Grandfathered" from the Act 250 Permit Review Process as long as a landowner signature is provided
- ☐ Inter-project Material Usage - The use of surplus materials from one project as borrow for another in which the owner and contractor are the same in both projects and neither involve work outside the respective contract construction limits
- ☐ The disposal of hazardous materials at a facility which has been reviewed and approved by the Agency's Hazardous Materials Specialist

Project Name: Jamaica ER-BRF 015-1 (23)

Proposed Area Name: Cersosimo Jamaica Pit

Landowner Signature: Michael Cersosimo

Act 250 Permit # (for Existing, In-use sites) _____

Act 250 Grandfathered Signature Michael Cersosimo
(Owner or authorized representative)-

OFF-SITE ACTIVITY EXEMPTION RECORD

VTrans

To be completed by the Contractor and filed with the Resident Engineer.
Check the appropriate exemption category from the boxes below.

Staging Area Exemptions

The placement of construction trailers, equipment, and/or non-erodible materials

- ☐ On existing paved or gravel surfaces which will not require any additional earth disturbance

Borrow Site Exemptions

- ☐ Existing, in-use gravel pits which have an Act 250 Permit as long as the use does not modify the conditions of said permit (Act 250 Permit # provided by Contractor)
- ☐ Existing, in-use, commercial gravel pits that are "Grandfathered" from the Act 250 Permit Review Process as long as a landowner signature is provided
- ☐ Inter-project Material Usage - The use of surplus materials from one project as borrow for another in which the owner and contractor are the same in both projects and neither involve work outside the respective contract construction limits

Waste Disposal Exemptions

- ☐ The use of project generated Solid Wastes to build the same project, or another project owned by the same entity
- ☐ Batch plants for recycling of materials and subsequent re-use
- ☐ The disposal of any (erodible or non-erodible) materials in an existing shed at any public transportation facility to which the material will be stored for later re-use
- ☐ Existing, in-use gravel pits which have an Act 250 Permit as long as the use does not modify the conditions of said permit (Act 250 Permit # provided by Contractor)
- ☒ Existing, in-use, commercial gravel pits that are "Grandfathered" from the Act 250 Permit Review Process as long as a landowner signature is provided
- ☐ Inter-project Material Usage - The use of surplus materials from one project as borrow for another in which the owner and contractor are the same in both projects and neither involve work outside the respective contract construction limits
- ☐ The disposal of hazardous materials at a facility which has been reviewed and approved by the Agency's Hazardous Materials Specialist

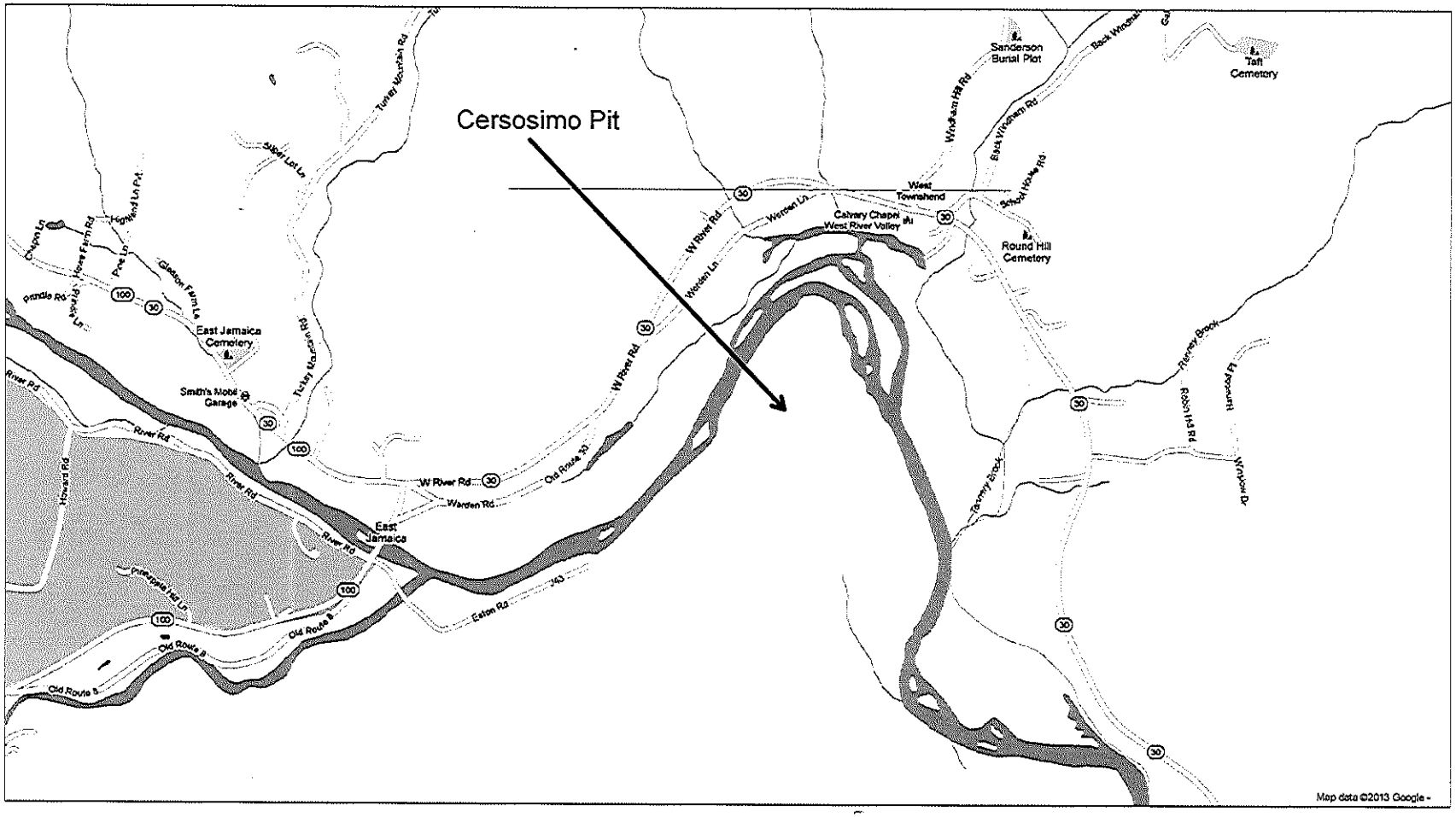
Project Name: Jamaica ER-BRF 015-1 (23)

Proposed Area Name: Cersosimo Jamaica Pit

Landowner Signature: Michael Cersosimo

Act 250 Permit # (for Existing, In-use sites) _____

Act 250 Grandfathered Signature Michael Cersosimo
(Owner or authorized representative)-


Cersosimo Pit
Sanderson Burial Plot
Taft Cemetery
West Townshend
Calvary Chapel
West River Valley
Round Hill Cemetery
East Jamaica Cemetery
Smith's Mobil Garage
East Jamaica
W River Rd
Warden Rd
Old Route 30
Eaton Rd
Old Route 8
River Rd
Howard Rd
Turkey Mountain Rd
Silver Lot Ln
Windham Hill Rd
Back Windham Rd
School House Rd
Warden Ln
Tannery Brook
Robin Hill Rd
Hanwood Pl
Window Dr
Map data ©2013 Google

OFF-SITE ACTIVITY SUBMITTAL

- This form is to be completed in its entirety by the Contractor/District Tech when proposing any waste, borrow, or staging area or any work outside the defined Contract construction limits.
- Submit to Karen Spooner: karen.spooner@state.vt.us, Phone: (802)828-2169, Fax: (802)828-2334, VTrans Program Development Division, Environmental Section, One National Life Drive, Montpelier, VT 05633-5001
- Submit a copy to the Resident Engineer
- Allow 21 calendar days (see Section 105.25 (c) of the VTrans Standard Specifications For Construction) for review once the application is administratively complete.

- **SUBMITTAL INFORMATION**

Project Name/District: Jamaica ER-BRF 015-1 (23) Contractor/District Tech: Miller Construction, Inc.

Contact: Eric Murphy Phone: 802-674-5525 Fax: 802-674-5245 E-mail: eric@millercranes.com

Resident Engineer: Chad Greenwood Phone: _____ Fax: _____

- **PROPOSAL INFORMATION** (Select one type of area being proposed for use per submittal and describe associated characteristics)

☐ Waste ☐ Borrow ☒ Staging ☐ Other (ex. dewatering location): _____

Material: Type (asphalt, concrete, earthen, etc.) N/A Quantity (yds³) N/A

Total Area of Land Disturbance (sq ft) ~ 5000 SF

Additional Info: Engineer's Field Office and Tool Trailer

- **LANDOWNER/PROPERTY INFO** (Fill all applicable boxes; attach a Location Map and Sketch of Area)

Name: Ken Johnson Address: 4017 Rt. 30, Jamaica Phone: (802) 297-1963
Print Name

☐ Private Residential/Commercial ☒ Town/State Owned Facility ☐ Other

Additional Info: Open Field Area next to Fire Department Parking Lot

Are there other users of this site? ☒ Yes ☐ No

Known past uses: Jamaica Vol. Fire Department

☒ Location Map (must be USGS Geological Survey Map (7.5'))

☒ Sketch of Area: ☒ North arrow ☐ Approx scale ☒ Recognizable features

Permit Info:

Act 250 Permit Exists? ☐ Yes ☒ No If Yes, #_____ Copy Enclosed? ☐ Yes ☐ No

List of Other Existing Permits: N/A

Landowner Agreement (Signature is required for all private-, town-, and state-owned properties)

I, _____, warrant that the information in the above permit application is accurate and agree
Landowner/Facility Manager Signature President, Jamaica Vol. Fire & Rescue, Inc.

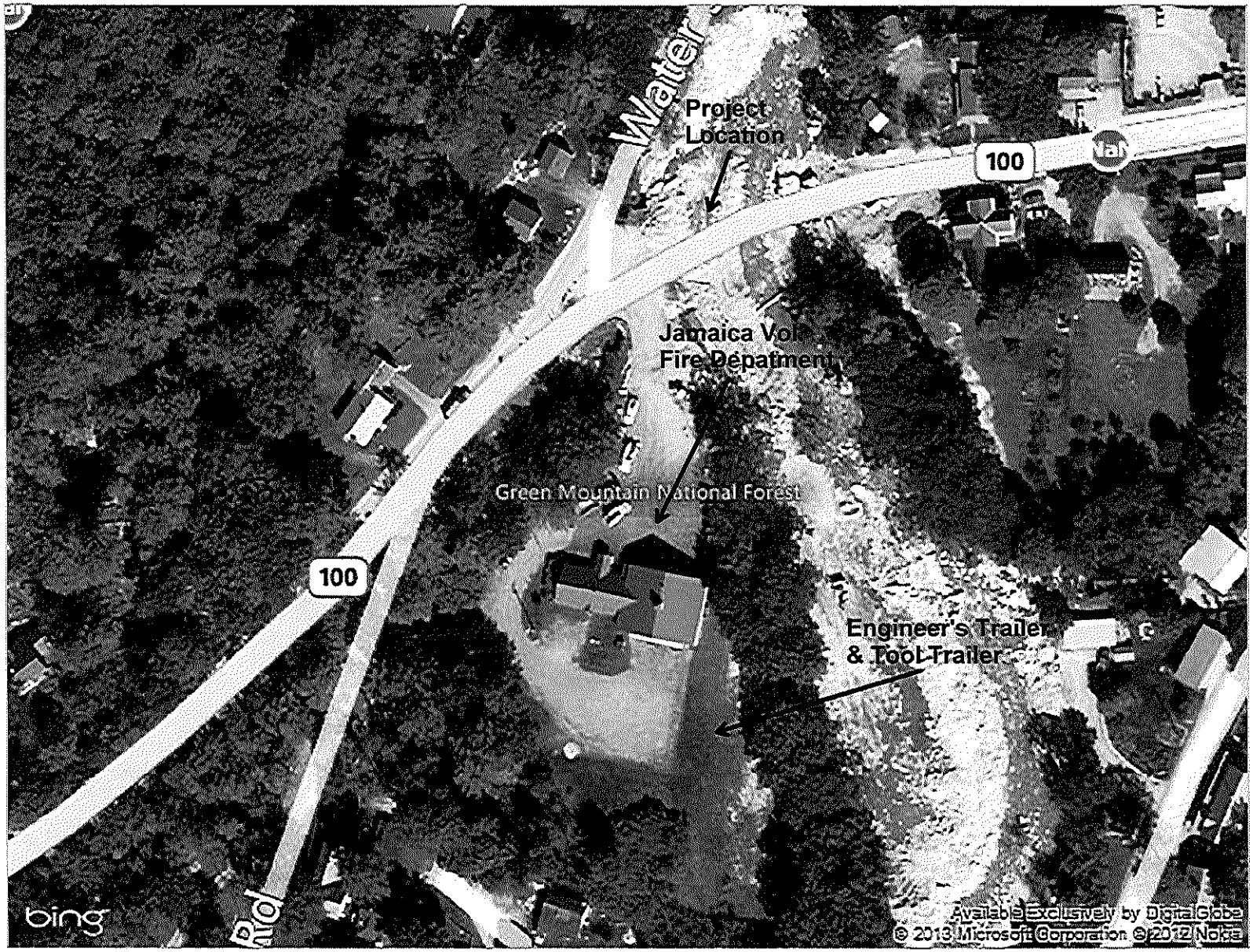
to the use of the proposed area by Miller Construction, Inc. as shown on the attached sketch. If acting as the agent of
Name of Contractor

the Landowner, I warrant (1) that the Landowner has the full right, power, and authority to authorize the proposed use, (2) that I am authorized to act as the Landowner's agent, and (3) that my authority to act as the Landowner's agent has not been revoked.

Date: 04/03/13

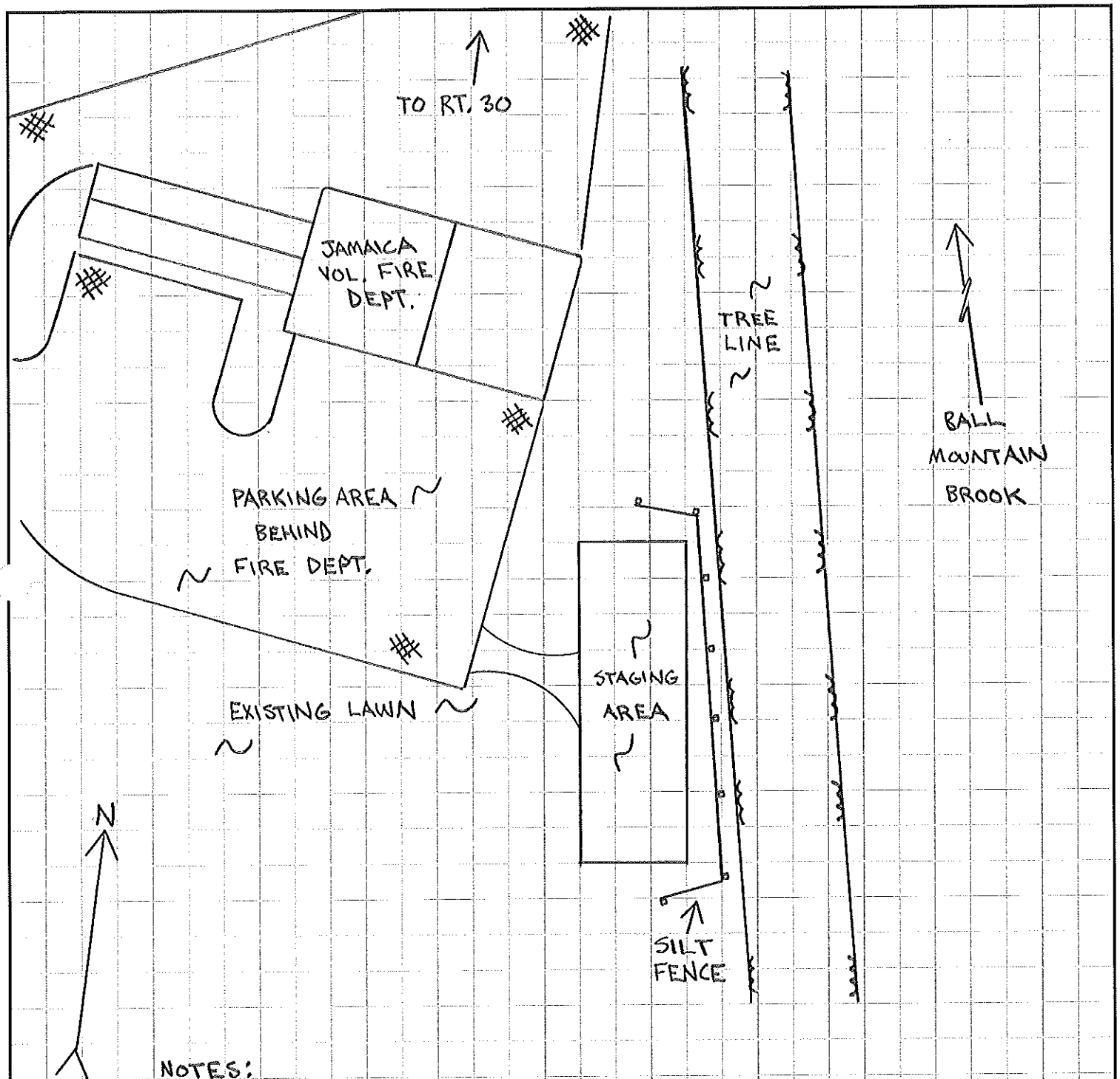
This clearance is for the Natural and Cultural Resources Only.

Location Map for Engineer's Trailer & Tool Trailer - Jamaica ER-BRF 015-1 (23)



Miller Construction, Inc.
3103 US Route 5 South
P.O. Box 86
Windsor, Vermont 05089
802-674-5525 Fax: 802-674-5245

JOB JAMAICA ER-BRF 015-1 (23)
SHEET NO. 1 OF
CALCULATED BY DATE 4/3/13
CHECKED BY DATE
SCALE N.T.S.



NOTES:
1. SILT FENCE TO BE INSTALLED AS SHOWN
2. FABRIC TO BE INSTALLED DIRECTLY ON TOP OF GRASS
3. MONITORING TO FOLLOW REQUIREMENTS OUTLINED IN EPSC PLAN
4. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITIONS

Provided From NEBS CUSTOM printing service 1-800-283-6327 NEBS Inc. Groton, MA 01471 www.nebs.com Rot. No. G 246202209

Attachment 5

Army Corps of Engineers Authorization

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO
ATTENTION OF

January 4, 2013

Regulatory Division
CENAE-R-PEC-62
Permit Number: NAE-2012-1969

Mr. Glenn Gingras
Vermont Agency of Transportation
One National Life Drive
Montpelier, Vermont 05633-5001

Dear Mr. Gingras:

We have reviewed your application to place fill in a total of 9,726 sq. ft. (0.22 acre) of Ball Mountain Brook and an unnamed tributary in conjunction with the replacement of a bridge and box culvert on VT Route 30 in Jamaica, Vermont. The work is shown on the attached plans, on nine sheets, entitled "JAMAICA ER-BRF 015-1(23)", dated "22-JUN-2012".

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts on waters of the United States, including wetlands. Therefore, this work is authorized as a Category 2 activity under the attached Federal permit known as the Vermont General Permit (GP). This work must be performed in accordance with the terms and conditions of the GP.

You are responsible for complying with all of the GP's requirements. Please review the attached GP carefully, in particular the GP conditions beginning on Page 7, to familiarize yourself with its contents. You should ensure that whoever does the work fully understands the requirements and that a copy of the permit document AND THIS AUTHORIZATION LETTER ARE at the project site throughout the time the work is underway.

This authorization expires on December 6, 2017, unless the GP is modified, suspended, or revoked. You must commence or have under contract to commence the work authorized herein by December 6, 2017 and complete the work by December 6, 2018. If you do not, you must contact this office to determine the need for further authorization before beginning or continuing the activity.

If you change the plans or construction methods for work in our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

This authorization requires you to complete and return the enclosed Work Start Notification Form to this office before the anticipated starting date. You must also complete and

return the enclosed Compliance Certification Form within one month following the completion of the authorized work.

This authorization presumes that the work as described above and as shown on your plans noted above is in waters of the U.S. Should you desire to appeal our jurisdiction, please submit a request for an approved jurisdictional determination in writing to this office.

This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law, as listed on Page 2 of the GP. Performing work not specifically authorized by this determination or failing to comply with any special condition(s) provided above or all the terms and conditions of the GP may subject you to the enforcement provisions of our regulations.

We continually strive to improve our customer service. In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at http://per2.nwp.usace.army.mil/survey.html

Please contact Michael S. Adams of my staff at (802) 872-2893 if you have any questions.

Sincerely,

for

Frank J. DelGiudice
Chief, Permits & Enforcement Branch
Regulatory Division

Attachments

Copy Furnished:

Mr. Todd Menees, P.E.
River Management Engineer
Vermont Department of Environmental Conservation
450 Asa Bloomer State Office Building
88 Merchants Row
Rutland, Vermont 05701-5903
todd.menees@state.vt.us

US Army Corps of Engineers®
New England District

WORK START NOTIFICATION FORM

****
* MAIL TO: U.S. Army Corps of Engineers, New England District *
* Vermont Project Office *
* 8 Carmichael Street, Suite 205 *
* Essex Junction, Vermont 05452 *
****

Corps of Engineers Permit No. NAE-2012-1969 was issued to the Vermont Agency of Transportation. The permit authorized the permittee to place fill in a total of 9,726 sq. ft. (0.22 acre) of Ball Mountain Brook and an unnamed tributary in conjunction with the replacement of a bridge and box culvert on VT Route 30 in Jamaica, Vermont.

The people (e.g., contractor) listed below will do the work, and they understand the permit's conditions and limitations.

PLEASE PRINT OR TYPE

Name of Person/Firm: MILLER CONSTRUCTION, INC.
Business Address: 3103 US ROUTE 5 SOUTH
PO BOX 86
WINDSOR, VT 05089
Telephone Numbers: (802) 674-5525 (802) 369-6015
Proposed Work Dates: Start APRIL 2013 Finish AUG 2014
Permittee's Signature: Eric J. Murphy Date: 03/27/2013
Printed Name: ERIC J. MURPHY Title: GENERAL MANAGER

****

FOR USE BY THE CORPS OF ENGINEERS

PM: Michael S. Adams Submittals Required: No

Inspection Recommendation: _____

Paul Holloway

From: Adams, Michael S NAE [Michael.S.Adams@usace.army.mil]
Sent: Monday, April 01, 2013 7:20 AM
To: Adams, Michael S NAE; Paul Holloway
Cc: Wright, Andrea; Eric Murphy; Lepore, John
Subject: RE: Jamaica ER-BRF 015-1 (23) - Work Start Notification (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

My mistake, the project was re-authorized on January 4, 2013 under the new GP issued December 6, 2012.

Good luck with the project!
Mike

Michael S. Adams
Senior Project Manager
U.S. Army Corps of Engineers
New England District
8 Carmichael Street, Suite 205
Essex Junction, Vermont 05452
(802)872-2893

In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at http://per2.nwp.usace.army.mil/survey.html

-----Original Message-----
From: Adams, Michael S NAE
Sent: Monday, April 01, 2013 7:09 AM
To: 'Paul Holloway'
Cc: Wright, Andrea; Eric Murphy; Lepore, John
Subject: RE: Jamaica ER-BRF 015-1 (23) - Work Start Notification (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

This permit expired December 5, 2012, unless a contract was signed prior to that date. The permit was rushed through last fall and was expected to start last year.

I will need an application filled out with a set of new plans. There should be no work within the waterways until a new permit is issued.

Michael S. Adams
Senior Project Manager
U.S. Army Corps of Engineers
New England District
8 Carmichael Street, Suite 205
Essex Junction, Vermont 05452
(802)872-2893

In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at http://per2.nwp.usace.army.mil/survey.html

-----Original Message-----
From: Paul Holloway [mailto:p.holloway@millercranes.com]
Sent: Wednesday, March 27, 2013 3:53 PM
To: Adams, Michael S NAE
Cc: Wright, Andrea; Eric Murphy
Subject: Jamaica ER-BRF 015-1 (23) - Work Start Notification

Michael,

Please find the attached Work Start Notification for the Jamaica ER-BRF 015-1 (23) Project.

Thank You,

Paul Holloway

Miller Construction, Inc.

802-674-5525

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE