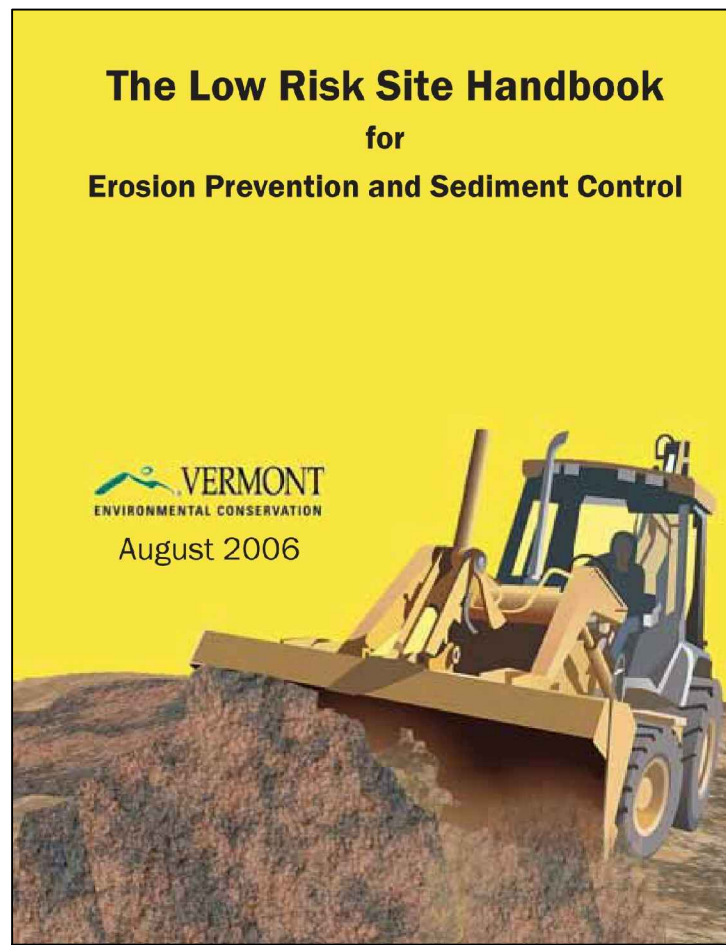


Table with 4 columns: Revisions, No., Description, Date, By



The Low Risk Site Handbook for Erosion Prevention and Sediment Control
Any construction activity that disturbs 1 or more acres of land, or is part of a larger development plan that will disturb 1 or more acres, requires a Vermont state permit for stormwater discharges from construction sites.

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Section 2: The Requirements
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Section 1 Introduction
What is erosion prevention and sediment control?
Sediment washing into streams is one of the largest water quality problems in Vermont.

Do I need a permit?
Any construction activity that disturbs 1 or more acres of land, or is part of a larger development plan that will disturb 1 or more acres, requires a Vermont state permit for stormwater discharges from construction sites.

Section 2 The Requirements
1. Mark Site Boundaries
Mark the site boundaries to identify the limits of construction. Delineating your site will help to limit the area of disturbance, preserve existing vegetation and limit erosion potential on the site.

How to comply:
Before beginning construction, walk the site boundaries and flag trees, post signs, or install orange safety fence.
Fences is required on any boundary within 50 feet of a stream, lake, pond or wetland, unless the area is already developed (existing roads, buildings, etc.)

2. Limit Disturbance Area
Purpose:
Limit the amount of soil exposed at one time to reduce the potential erosion on site.

How to comply:
Plan ahead and phase the construction activities to ensure that no more than the permitted acreage is disturbed at one time.
Be sure to properly stabilize exposed soil with seed and mulch or erosion control matting before beginning work in a new section of the site.

3. Stabilize Construction Entrance
Purpose:
A stabilized construction entrance helps reduce mud from vehicle wheels to prevent tracking onto streets.

How to install:
Rock Size: Use a mix of 1 to 4 inch stone
Depth: 8 inches minimum
Width: 12 feet minimum

4. Install Silt Fence
Purpose:
Silt fences intercept runoff and allow suspended sediment to settle out.

Where to place:
Place silt fence on the downhill edge of bare soil. At the bottom of slopes, place fence 10 feet downhill from the end of the slope (if space is available).

5. Divert Upland Runoff
Purpose:
Diversion berms intercept runoff from above the construction site and direct it around the disturbed area.

6. Slow Down Channelized Runoff
Purpose:
Stone check dams reduce erosion in drainage channels by slowing down the stormwater flow.

7. Install Silt Fence
Very good use of continuous 'super' (reinforced) silt fence. Note that wire fencing is installed between the filter fabric and the posts.

Very good installation of multiple silt fences on long slope. Turn ends of fencing uphill to prevent bypass. Leave silt fences up until grass is well established on all areas of the slope.

5. Divert Upland Runoff
Purpose:
Diversion berms intercept runoff from above the construction site and direct it around the disturbed area.

How to install:
2:1 SLOPE OR FLATTER
A - Berm Height: 1.5 feet
B - Berm Width: 2 feet
C - Flow width: 4 feet

Good construction, seeding, and stabilization of diversion berm. Note that diversion ditch is lined with grass on flatter part of slope, and with rock on steeper part.

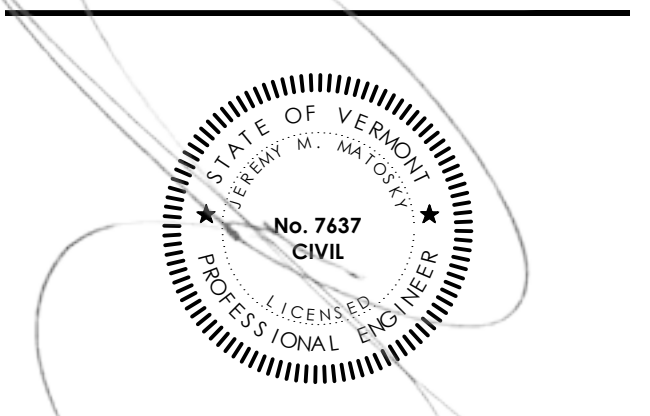
Good installation of rock-lined berm to divert rain runoff around residential construction site on steep slope near a river. Diversion ditches can be lined with grass if channel slopes are 5% or less, and with 4 inch stone if they are steeper.

Stone check dams reduce erosion in drainage channels by slowing down the stormwater flow.

as needed to allow channel to drain through the stone check dam and prevent large flows from carrying sediment over the dam.

Rock check dams must be installed before excavation or fill activities begin. See 'How to install' for spacing directions.

TAX ID:
Use of these Drawings
1. Unless otherwise noted, these Drawings are intended for preliminary planning, coordination with other disciplines or utilities, and/or approval from the regulatory authorities.



Eastern Development Corporation
40 Plains Road
Pittsford, Vermont

Erosion Prevention & Sediment Control

Date: 11/08/2018
Scale:
Project Number: 16-021
Drawn By:
Project Engineer: AAD
Approved By:
Field Book: 336 + 211