

CASE STUDY



Rockbridge County Landfill



COUNTY:	Rockbridge
CITY:	Buena Vista
ENGINEER:	Draper Aden Associates – lead Bill Hase
GENERAL CONTRACTOR:	Sargent Corporation
SUB CONTRACTOR FOR SILT FENCE, AND HYDROSEEDING:	Ace Hydroseeding
LOCATION:	231 Landfill Rd., Buena Vista, VA 24416
TOTAL AMOUNT OF FLEXAMAT USED:	70,136 sq/f of Flexamat
JOB DESCRIPTION:	The purpose of using Flexamat at the Rockbridge County Landfill was for the roadside drainage channels. One of the rolls of Flexamat , was coming off the cap and tying into drainage ditch on the roadside. Flexamat was selected over riprap to lessen the impact of the ability to drive mowing equipment across the channels, and speed of installation for the landfill project according to Draper Aden. Draper Aden did consider shear velocity strength of Flexamat at both Rockbridge and Stafford. The DEQ permit reviewers required an analysis of shear velocity which was provided to both parties. The owners of the landfill, Rockbridge County, and Draper Aden have been very happy with the performance thus far with Flexamat .

INSTALLATION PHOTOS:



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Stafford County Landfill

COUNTY:	Stafford
CITY:	Stafford
ENGINEER:	Draper Aden Associates – lead Bill Hase
GENERAL CONTRACTOR:	Sargent Corporation
SUB CONTRACTOR FOR SILT FENCE, AND HYDROSEEDING:	Ace Hydroseeding
LOCATION:	489 Eskimo Hill Rd., Stafford, VA22554
TOTAL AMOUNT OF FLEXAMAT USED:	33,376 sq/f of Flexamat
JOB DESCRIPTION:	The Stafford County Landfill was creating new cells and capping the old ones, similar to the Rockbridge County Landfill. The landfill used Flexamat on six of their cell down chutes totaling (4609m ²) or 33,376 SF to stabilize and protect the steep slope channels in place of using traditional rip rap design. The vegetated Flexamat will offer long term protection allowing the owner, Rappahannock Regional Solid Waste Management Board, the possibility that the channels may never have to be reconstructed due to erosion and sediment loss. Flexamat was selected by Draper Aden over riprap to lessen the impact of the depth of stone needed on a landfill cap. Results so far have lived up to expectations for both the owners and the engineering firm.

INSTALLATION PHOTOS:



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