

Do you have a resource concern? erosion, poor vegetative cover, or excess runoff

Vegetated Stormwater Conveyance



Virginia Conservation Assistance Program

Presented by Virginia Association of Soil & Water Conservation Districts



Vegetated Stormwater Conveyances serve to prevent scour and erosion in an existing channelized area and provide water quality treatment while conveying stormwater. They are constructed channels lined with vegetation that inhibits erosion. From a water quality perspective, they are preferable to pipes because they allow more soil/water contact and more opportunity for infiltration.



Contact your local SWCD to learn more!

Could a VSC benefit your property?

Dry Swales are shallow channels with check dams for temporary stormwater storage and infiltration. Utilize engineered soil media as the channel bed or permeable existing soil. Often include an underdrain system to convey treated runoff to downstream systems. Can be planted with turf grass or other suitable ground cover.

Wet Swales are shallow channels with check dams creating permanent pools for groundwater interception and enhanced pollutant removal. Saturated soil and wetland vegetation promote gravitational settling, biological uptake, and microbial activity. On-line or off-line cells within the channel create saturated soil or shallow standing water conditions.

Step Pool Conveyance Swales are defined channels converting surface runoff to shallow groundwater through attenuation pools and sand seepage filters. Safely convey, attenuate, and treat stormwater using a series of constructed pools and riffles with engineered soil media.

80% reimbursement of total eligible cost up to \$20,000

VCAP PROCESS

