

Stormwater Management Opportunities at Rumney Memorial School



Services / Expertise

Stormwater Assessment & Permitting
Stormwater Retrofit Design
Water Quality Education
Data Assessment
Conceptual Plans
Cost Estimate
Project Design
Construction Management

Markets

Watershed Protection Organizations
State Government
Municipal & RPCs

Project Locations

Middlesex, VT

Project Owners

Winooski NRCDC



The stormwater retrofit practice installed at the school treats runoff from more than one acre of previously unmanaged impervious surface.

RUMNEY Memorial School is located on Shady Rill Road, Middlesex, which runs parallel to Martin's Brook (locally called Shady Rill). Rumney's campus is composed of a terraced school yard, gravel parking lot and drop off area, and a building with a footprint of slightly more than half an acre. To the east of the building, stormwater from the roof flows out of under-sized gutters onto the sidewalk, then picks up sediment from the drop off area before flowing into an actively eroding roadside ditch. To the west of the building, more runoff flows into a grass ditch and into a small pipe that runs under the road and into the school's property across the road. After a storm event, the field is saturated with water, and one can hear the water flowing from the field into Martin's Brook. The banks of Martin's Brook at this juncture are eroded and vegetation is failing.

Winooski NRCDC sought to improve stormwater management at the school by diverting and filtering stormwater from the school's roof and hard surface areas into bioretention areas before it entered local waterways. Working collaboratively, Stone and a landscape architect partner supported the Winooski NRCDC in completing site and feasibility assessments. Together, we were able to secure additional funding for engineering design and project implementation, which was completed in the summer of 2016.