

# Bioretention Area Design for St. Albans City 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 Location

St. Albans City School, St. Albans, VT

## Dates

2015

## Project Owners

Friends of Northern Lake Champlain



*Students at the St. Albans City School participated in the planting of a bioretention facility with native species. Photo credit: Friends of Northern Lake Champlain.*

STONE worked with the Friends of Northern Lake Champlain, and teachers and students at St. Albans City School, to complete this project that integrated education and stormwater management improvements. Stone designed a bioretention area to treat the first inch rainfall from 0.6 acres of impervious surfaces, and provided construction oversight. Stone staff also worked directly with the students to complete hand-auger soil characterization and infiltration testing within the proposed bioretention practice footprint. The practice was constructed in the spring of 2015, and the students planted water-loving vegetation that they selected during in-class exercises in the late summer of 2015.