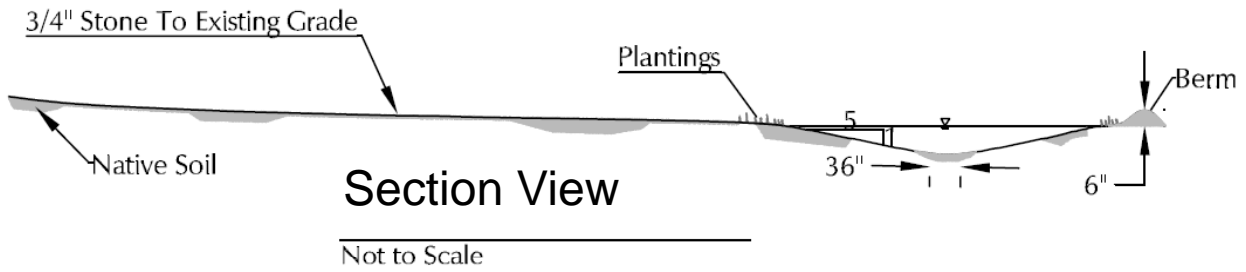


Essex High School Gravel Wetland

Essex Junction, Vermont



Fitzgerald Environmental Associates, LLC. and EcoSolutions, LLC. worked with Essex High School (EHS) and the Environmental Club to secure grant funding to design and build a low-cost, demonstration gravel wetland/rain garden on the school grounds. EHS has over 3 acres of paved parking lot that drain untreated into Indian Brook, a stormwater-impaired waterway. The objective of the project was to improve the aesthetics and function of the site by treating runoff from one of the parking lots before it reaches the brook. The design incorporated local stone, compost donated from the Intervale, and native wetland plants to achieve high pollutant removal rates within a small footprint. The gravel wetland represents a new generation of cost-effective, innovative stormwater practices that harness the full potential of green, ecological materials and processes.



Map showing location of stormwater wetland site outlined in red.

The wetland treats runoff from 1 acre of paved parking lot prior to discharge to adjacent "impaired" Indian Brook.