Billerica Highway Barn

Slowing the infiltration rate of storm water run off that collects on impervious surfaces.

Completed Fall 2016

Bioretention soils are designed to serve several different functions. Storm water run off can cause problems with surrounding landscape if left to flow at its own peril. Bioretention basins allow storm water to be channeled to a specific area and slowly infiltrate the soil to allow water to continue into the subsoil in a way that will not overwhelm the system. Bioretention soil can also aid in filtering the water as it percolates through, pulling out unwanted nutrient overloads and other pollutants. These soils are created with specific ratios of sand, soil and compost with each component fitting with in a determined specification.

The Billerica Highway Barn structure was completed in 2016 and a Bioretention basin which holds approx. 800 cubic yards of soil was installed to handle the runoff of storm water from the large parking/staging area. The material was brought in on trailer dumps and unloaded into the shaped basin for further spreading.