RTCA Storm Water Management Rain Garden / Infiltration Basin

November 2018

In Partnership with

Cape Cod Technical High School

Horticultural Department

Site of Rain Garden / Infiltration Basin



Construction of Infiltration Basin



All Excavation by Hand



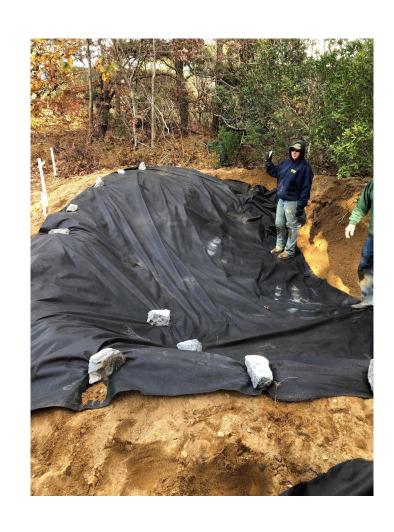
Creating the Berm for the Basin



Overflow Piping



Installing a Permeable Liner



2-Ton of Crushed Stone (Rip Rap)



The Stone Forms the Walls & Floor



Stone Will Stabilize The Basin



The Stone Will Slow The Entering Water Flow



Stone Filters Storm Water



Storm Drain Structures in Road Strom Water enters Drains and Discharges into Manhole Structure (Leaching Tank)



Manhole Structure (Leaching Tank) Receives Storm water from the Storm Drains in Street and Discharge into Infiltration Basin



10 Ton Crushed Stone / Rip Rap (Total) Selected Plants have been installed in and around the Basin



Storm Water Basin Water Slowly Filters Through The Basin



Storm Water In Basin Heavy Rainfall will use Beehive Overflow Drain



Old Discharge piping Area Erosion Problem



Current Outfall Discharge Area from Beehive Overflow Drain (No Erosion)





Environmental Friendly



Project Complete

