

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

## Storm 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

