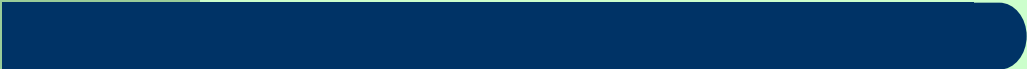


Bunn High School Bio-Retention Project

A demonstration project
funded through a grant by
the Albemarle-Pamlico
National Estuary Program



Partnerships

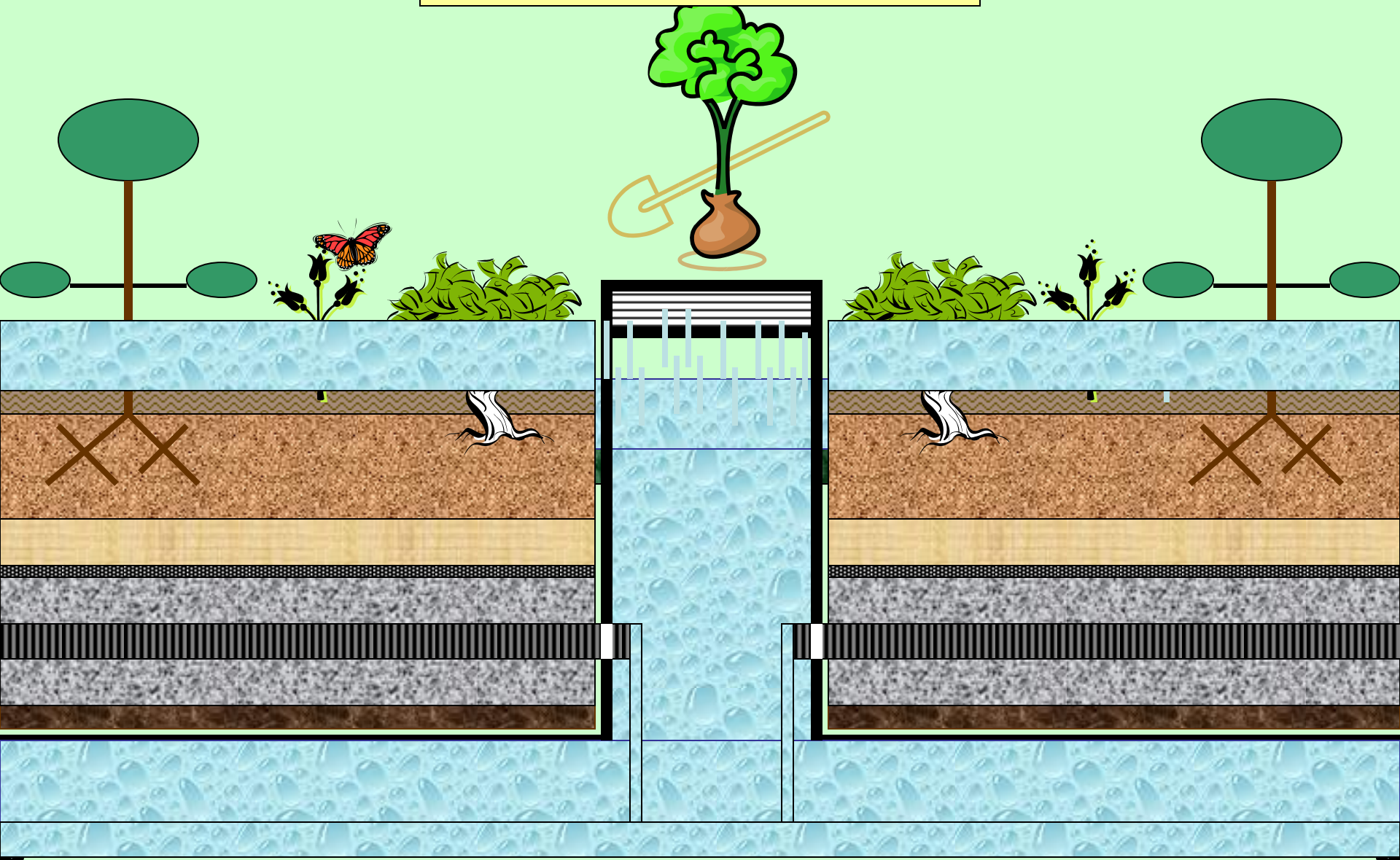
- Bunn High Ag Department
- Bunn High Science Department
- Bunn High English & Math Departments
- Franklin County Cooperative Extension Service
- Bill Lord (Neuse Team)
- Franklin County Soil and Water

Bio-retention AKA “Rain Garden”

BMP (Best Management Practice)

- Filters storm water runoff with porous soils and plants adapted to dry/wet conditions
- Helps reduce peak flow of rainfall event
- Also - added landscape feature

Gravel Layer



Project begins: Vontice surveys with students



Surveying with future retention area in the background



Students defining the watershed



Work begins



Hidden Treasure



Student Help



Good folks from the county maintenance department



Raise the storm drain 2.7'



Popping off the grate



Success



More excavation



Shawn checking out existing conditions



More excavation



A hole in the culvert begins



Bob Frisbee's ag department puts out an effort



Shovel work



Raise the culvert



Charles and Charles checking out the work in progress



Students working on drain tile



Admiring their handiwork



Bottom layer of washed gravel covering our drain line



Surewalling continues



Geotextile cloth goes down first with peat moss as a biological starter



Next is a thin layer of washed sand



Bob Frisbee with an intellectual moment



“Get over here!!!”



David Carden handling the “MUD”



First layer nice and smooth



A busy place



Young ladies show off their skills



“Git ‘er done”



Putting the finishing touches on the sand layers



Building the berm



Bio-retention before adding vegetation



Wax Myrtles added



One of 9 Wax Myrtles



Students planting day lilies and barb

erry



Jeremy getting in on the action



Plants, mulch, wildlife, bio-retention -- an ecological masterpiece!!!



This daylily lives here.



No job is complete until the mulch is done



Shows the berm and location to school



More geotextile covering disturbed areas



Daylily



Daylily



Make it rain





08-30-04 Tropical Storm Gaston



Surface Water From Parking Lot



More Surface Water



Full To The Brim



Tops The Burm

