LANDSCAPE MAKEOVER PROGRAM

Jaclyn Rhoads and Jack McCausland
Pinelands Preservation Alliance

PINELANDS PRESERVATION ALLIANCE

About PPA

- Watchdog for the Pinelands National Reserve – 1.1 million acres designated by federal and state laws
- Partner in the Delaware River Watershed Initiative – a William Penn funded collaborative within the boundaries of the Kirkwood Cohansey Aquifer
- Member of the Flood Defense Coalition - a coalition of state and local nonprofit organizations working to protect our communities from damaging floods and harmful stormwater pollution

OUR STORMWATER WORK

A Garden at Work

Rain gardens, like the one in front of you, are a type of "green stormwater infrastructure." Rain gardens catch stormwater runoff, which is water that flows off hard surfaces following rainfalls. While this garden is beautiful, it is also hard at work protecting our natural resources. How does it do that?

PLANTS AND SOIL ACT LIKE A SPONGE

Perennial native plants with deep root systems help water move into the ground. The roots fight soil compaction and create more space for the soil to hold water. Plants will use some of the water from the soil and return part of that to the atmosphere in a process called evapotranspiration. Some water will continue to flow downward, where it will recharge the groundwater.

STOPPING POLLUTION IN ITS TRACKS

As stormwater runoff moves over the ground, it carries non-point source pollution such as litter, fertilizer, herbicides, pesticides, and animal waste to nearby bodies of water. By absorbing runoff where it starts, we help keep our water free of pollution.

SUPPORTING A HEALTHY ECOSYSTEM

The plants in this garden play an important role in supporting an ecosystem that is full of many different species. Native plants provide food and habitat to our native insects and birds. Keep an eye out in the garden for beautiful wildlife!

Stormwater runoff from hard surfaces like rooftops and driveways is collected and filtered by this rain garden.

GROUND WATER

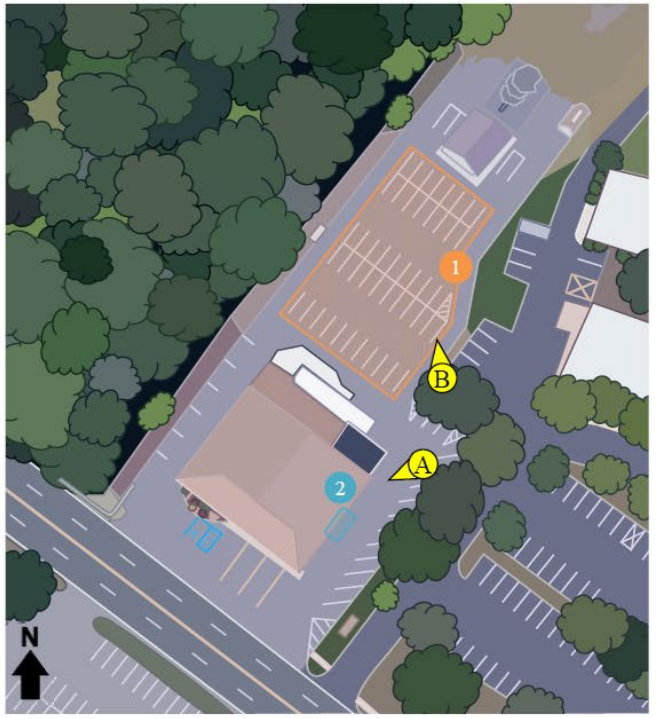
This project was completed thanks to funding from the National Fish and Wildlife Foundation. More information can be found at www.sjwatersavers.org.

Hammonton Town
Impervious Cover Assessment
Hammonton Volunteer Fire Company No. 2,
51 N White Horse Pike

RUTGERS
New Jersey Agricultural Experiment Station

PROJECT LOCATION:

SITE PLAN:



A

B

1 **POROUS PAVEMENT:** Portions of the northern parking lots in the parking spaces can be retrofitted to porous pavement to allow some of the runoff to infiltrate.

2 **RAINWATER HARVESTING SYSTEM:** Rainwater can be harvested from the downspouts on the south east side of the building and stored in a cistern. The water can be used to wash the firehouse vehicles.

1 POROUS PAVEMENT

PERMEABLE PAVEMENT DIAGRAM

2 RAINWATER HARVESTING SYSTEM

Municipal/School Programs

RUTGERS
New Jersey Agricultural Experiment Station

SUSTAINABLE JERSEY
CERTIFIED
A Better Tomorrow, One Community at a Time

Green Infrastructure Planning and Implementation
Come and Find Out How to Get Your Points

This course will review the Sustainable Jersey green infrastructure actions. If your municipality is struggling with localized flooding or unhealthy waterways, this workshop is for you! There are 35 points available for green infrastructure planning and another 45 points available for green infrastructure implementation. The Rutgers Cooperative Extension Water Resources Program has already completed green infrastructure plans for over 140 Sustainable Jersey municipalities. Come find out if you are one of them and how you can adopt these plans for Sustainable Jersey points. If a plan is not already developed for your municipality, we will share with you how to get one done.

Dates and Locations

Wednesday, September 19
8:30am – Noon
Duke Farms – Farm Barn/Orientation Center
1112 Dukes Parkway West
Hillsborough, NJ 08844
Register: http://bit.ly/GINFRA19Register

OR

Wednesday, October 17
8:30am – Noon
Wheaten Art Center – Event Center
1000 Village Drive
Millville, NJ 08332
Register: http://bit.ly/MillvilleRegister

Agenda

8:30 am Registration and continental breakfast
9:00 am Welcome by Sustainable Jersey
9:15 am What is a green infrastructure plan?
9:45 am How to develop a plan?
10:15 am How to set realistic green infrastructure targets for your community?
10:30 am Break
10:45 am How to use a green infrastructure plan?
11:00 am How to implement green infrastructure projects to achieve your goal?
11:45 am Wrap up
12:00 pm Adjourn

Hammonton Canoe Club

STORMWATER UTILITIES

THE STORMWATER SOLUTION

- STORMWATER UTILITY
  - Fund for stormwater problem
  - Installation of green stormwater infrastructure
  - Dedicated entity
  - Deal with flooding and stormwater pollution
- More than 1800 communities across the country have a stormwater utility.
- https://www.njlcvef.org/flood-defense

FLOOD DEFENSE NEW JERSEY

LANDSCAPE MAKEOVER PROGRAM REBATE

RUTGERS
New Jersey Agricultural Experiment Station

ANJEC
Local Environment Matters

Details

- Attend a Rain Garden 101 Session (virtually 1 – 1.5 hours)
- Attend a design session (virtually about 1 hour) to have your rain garden designed for your property
- Install the rain garden according to the design WITH native plants
- Fill out rebate form and email form and at least two photos to jack@pinelandsalliance.org and Jaclyn@pinelandsalliance.org
- Can receive $3/sq. foot for up to $450 rebate by check.
- Deadline November 1 2022

Questions

PINELANDS PRESERVATION ALLIANCE
+ RUTGERS UNIVERSITY PRESENT

Rain Garden 101

A virtual Information Session focused on helping you beautify your property

March 3rd, 2022 at Noon and 7pm

Please reach out to jack@pinelandsalliance.org for details

CONTACT US

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https://www.sjwatersavers.org/makeover/