

**RUTGERS**

THE STATE UNIVERSITY  
OF NEW JERSEY

# Wildlife Habitat Enhancement Green Infrastructure Project Design and Installations

Rutgers Cooperative Extension Water Resources Program

*NFWF GRANT ID: 0403.19.065576*



# Pope John High School Detention Basin Retrofit Implementation Project

28 Andover Road, Sparta Township, Sussex County, New Jersey

- Five detention basins (3,075 SF) were retrofitted with native vegetation, including 18 shrubs, 60 containers, and 650 plugs
- Participation included student volunteers, RCE Water Resources Program



Pope John High School Detention Basin Retrofit Implementation Project



Detention basins prior to project implementation.



# Pope John High School Detention Basin Retrofit Implementation Project



Native vegetation to be planted in the basins.



## Pope John High School Detention Basin Retrofit Implementation Project



Student volunteers planting shrubs into the basin.



# Pope John High School Detention Basin Retrofit Implementation Project



Basin vegetation growth observed during follow-up.



# Hackettstown Middle School Rain Garden Implementation Project

500 Washington Street, Hackettstown, Warren County, New Jersey

- Two rain gardens installed (360 & 325 SF) managing 2,160 SF drainage area
- Participation included contractor, student volunteers, RCE Water Resources Program



## Hackettstown Middle School Rain Garden Implementation Project



Project location prior to project implementation.



## Hackettstown Middle School Rain Garden Implementation Project



Contractor excavating the rain gardens.



# Hackettstown Middle School Rain Garden Implementation Project



Completed excavation of the rain gardens.



## Hackettstown Middle School Rain Garden Implementation Project



Completed planting of the rain gardens.



## Hackettstown Middle School Rain Garden Implementation Project



Completed rain gardens.



# Hackettstown High School Rain Garden Implementation Project

599 Warren Street, Hackettstown, Warren County, New Jersey

- Two rain gardens installed (245 SF) managing 695 SF drainage area
- Participation included contractor, school district, RCE Water Resources Program



## Hackettstown High School Rain Garden Implementation Project



Project location prior to project implementation.



## Hackettstown High School Rain Garden Implementation Project



Contractor excavating the rain garden.



## Hackettstown High School Rain Garden Implementation Project



Rain garden following the excavation and mulching.



## Hackettstown High School Rain Garden Implementation Project



Rain garden following planting.



# Hackettstown High School Rain Garden Implementation Project



Rain garden following planting.



# Hope Elementary School Rain Garden Implementation Project

320 Johnsonburg Road, Hope, Warren County, New Jersey

- One rain garden installed (460 SF) managing 795 SF drainage area
- Participation included contractor, school district, student and local volunteers, Hope Green Team, RCE Water Resources Program



## Hope Elementary School Rain Garden Implementation Project



Project location prior to project implementation.



## Hope Elementary School Rain Garden Implementation Project



Contractor excavating the rain garden.



## Hope Elementary School Rain Garden Implementation Project



Contractor placing materials in the rain garden.



## Hope Elementary School Rain Garden Implementation Project



Rain garden following construction.



## Hope Elementary School Rain Garden Implementation Project



Volunteers planting the rain garden.



# Hope Elementary School Rain Garden Implementation Project



Completed rain garden.



# Belvidere Elementary School Rain Garden Implementation Project

807 Oxford Street, Belvidere, Warren County, New Jersey

- One rain garden installed (885 SF) managing 6,590 SF drainage area
- Participation included contractor, school district, student and local volunteers, Belvidere Environmental Commission, RCE Water Resources Program



## Belvidere Elementary School Rain Garden Implementation Project



Project location prior to project implementation.



## Belvidere Elementary School Rain Garden Implementation Project



Contractor excavating the rain garden.



## Belvidere Elementary School Rain Garden Implementation Project



Contractor placing materials in the rain garden.



## Belvidere Elementary School Rain Garden Implementation Project



Rain garden following construction.



# Belvidere Elementary School Rain Garden Implementation Project



Rain garden following planting.



# Belvidere Elementary School Rain Garden Implementation Project



Completed rain garden.

