

What is a rain garden?

Rain gardens are shallow depressions filled with plants.

Considered green infrastructure, they collect and hold stormwater from roof downspouts, parking lots, lawns and other surfaces, allowing plants and soil to filter out harmful pollutants that may otherwise flow into storm drains and enter streams, rivers, lakes, and other water bodies.

They also recharge groundwater and help to mitigate climate change impacts such as flooding.

Project Background

The Commission budgeted for the installation of a rain garden in FY 2022. The project is being funded by the Kathleen M. Lynch-van de Sande ("Katie") Fund for the Reforestation of the New Jersey Pinelands.

The fund was established in memory of Ms. Lynch-van de Sande, a Pinelands Commission Environmental Specialist who died in a car accident in June 1989.

In December 2021, the Commission entered into an agreement with the Rutgers Cooperative Extension Water Resources Program to design the rain garden.





Finalizing the plan

PINELANDS COMMISSION

GREEN INFRASTRUCTURE IMPLEMENTATION PROJECT 15 SPRINGFIELD ROAD, PEMBERTON BOROUGH BURLINGTON COUNTY, NEW JERSEY

BLOCK: 846 LOTS: 1.01 & 1.02

PROJECT DESCRIPTION:

A RAIN GARDEN (340 S.F.) IS TO BE INSTALLED SOUTHEAST OF THE BUILDING TO CAPTURE, TREAT, AND INFILTRATE THE STORMWATER RUNOFF FROM THE ROOFTOP (2.475 S.F.). TO AVOID EROSION AN ATRIUM WILL BE USED IN CONJUCTION WITH AN EROSION CONTROL APRON FOR EXCESS STORMWATER FROM MORE INTENSE STORMS. THE ATRIUM WILL LEAD TO A PIPE UNDERNEATH THE SIDEWALK AND DISCHARGE INTO THE STORMWATER BASIN WITH A ROCK APRON TO DISSIPATE THE EXTRA RUNOFF.

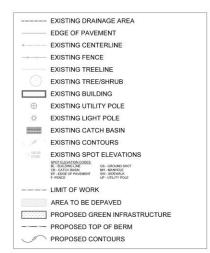
LIST OF DRAWINGS:

SHEET NAME	AME TITLE COVER SHEET		
COVER			
P-1	EXSTING CONDITIONS AND DEMOLITION PLAN		
P-2	PROPOSED SITE PLAN		
P-3	PLANTING PLAN		
DT-1	RAIN GARDEN DETAILS		
DT-2	PLANTING AND LANDSCAPING DETAILS		

LOCATION MAP (N.T.S):



LEGEND:



200	
UTGERS New Jersey Agricultural Experiment Station	

COVER

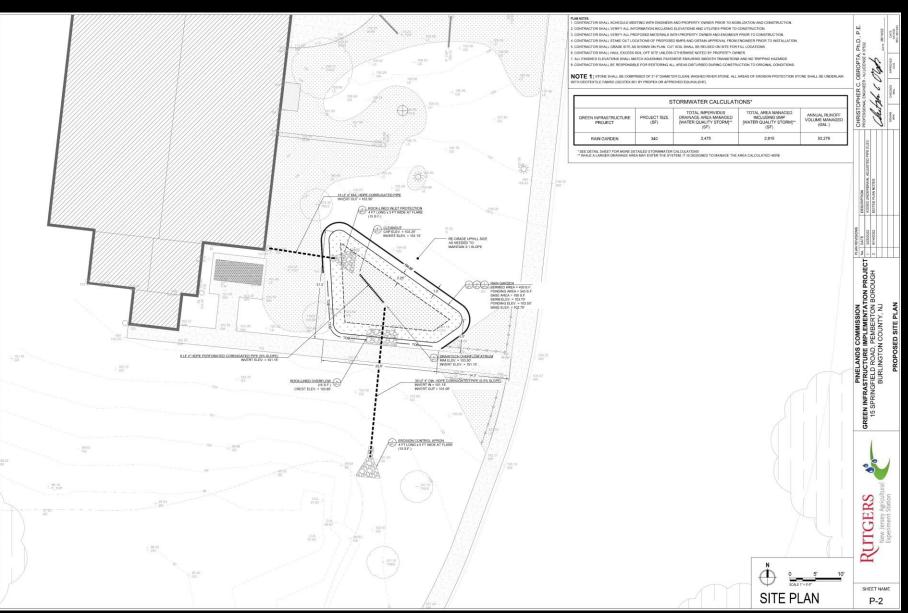
GREEN INFRASTRUCTURE IMPLEMENTATION PROJECT 15 SPRINGFIELD ROAD, PEMBERTON BOROUGH BURLINGTON COUNTY, NJ

PLAN REVISIONS			
REV. DATE	REV. SUMMARY	REV. SHEETS	
3/25/2022	ADDED UNDERDRAIN, REVISED PLANT LIST	P-1, P-2, P-3, DT-1, DT-2	
4/11/2022	ADDED POLLUTANT REMOVAL TABLES	DT-1	
4/22/2022	REVISED PLANT LIST	P-3, DT-2	
6/14/2022	EDITED CONSTRUCTION NOTES	P-1, DT-1	

GENERAL NOTES:

- SURVEY CONDUCTED BY RUTGERS COOPERATIVE EXTENSION WATER RESOURCES PROGRAM. ALL ELEVATIONS ARE RELATIVE TO THE 100.00'
 BENCHMARK POINT.
- EXISTING SOILS ARE WESTPHALIA LOAMY FINE SAND WHICH ARE CLASSIFIED AS HYDROLOGIC SOIL GROUP B WHICH HAVE MODERATE
 INFILTRATION RATES BASED ON THE NRCS WEB SOIL SURVEY (websoilsurvey.sc.egov.usda.gov).
- ANY OVERHEAD AND UNDERGROUND UTILITIES SHOWN ARE FROM FIELD OBSERVATIONS AND ARE NOT A COMPLETE REPRESENTATION. A UTILITY
 MARKOUT NEEDS TO BE CONDUCTED PRIOR TO MOBILIZATION BY THOSE RESPONSIBLE FOR EXCAVATION. NJ ONE CALL: 811 OR 800-272-1000

Finalizing the plan





























Questions?

