



Stakeholder Meeting 01.26.12

THE SMART TEAM



City of Camden



Cooper's Ferry Partnership



NJ Department of Environmental Protection



Rutgers Cooperative Extension Water Resources Program



Camden County Municipal Utilities Authority



NJ Tree Foundation

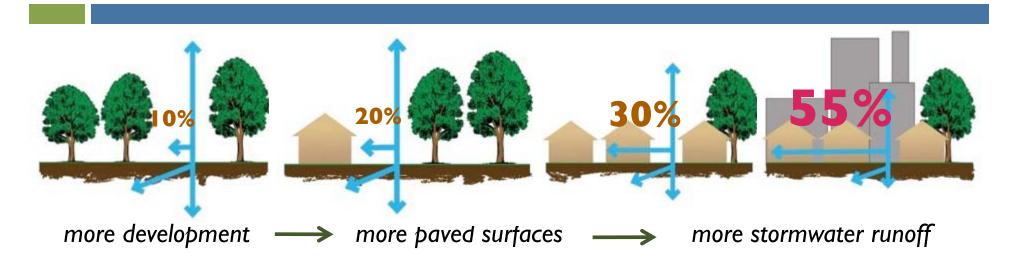
A COMPLEX ISSUE







A COMPLEX CAUSE







- = Green Infrastructure
- = Neighborhood Beautification
- = Key Infrastructure Upgrades
- = River Access & Enjoyment
- = Economic Development
- = Innovative Technology Solutions
- = Sustainability
- =Brownfield Redevelopment



Park Boulevard Rain Garden in Parkside



- Educate residents and community leaders about the benefits of stormwater management and green infrastructure
- 2 Establish a network of community organizations to advocate for sustainability in the City of Camden
- 3 Implement neighborhood green & grey infrastructure projects to alleviate flooding and achieve sustainable neighborhood revitalization
- 4 Provide training on green infrastructure techniques

SPECIAL THANKS

for your participation!



Over 100 residents attended the Camden SMART community meetings in February-April 2011



2011- KEY ACCOMPLISHMENTS



- 11 rain gardens planted in 4 neighborhoods
- Obtained \$300,000 grant from NJ DEP for green infrastructure
- Over 300 street trees planted city-wide
- Camden SMART website
- Series of community outreach and education meetings
- Increased network of partners and volunteers
- Camden SMART Opportunities Analysis
- Rain garden installation training session
- Farnham Park Stormwater Management Project

FERRY AVENUE RAIN GARDEN

Installed in March 2011



FERRY AVENUE RAIN GARDEN

In bloom: summer 2011



- → Features three inlets for stormwater runoff and a variety of species like New England Aster and Goldenrod
- → Installed during a two-day training session for landscape professionals

PARK/MAGNOLIA RAIN GARDEN

Installed: April 2011





→ Captures, treats and stores over 60,000 gallons of stormwater runoff each year

→ Has multiple curb cuts for water entry and exit

→ Features Purple Coneflower, Butterfly Weed, Red Bud Trees, and other species

PARKSIDE/VESPER RAIN GARDEN

Installed: October 2011



N. 20th STREET RAIN GARDENS

Installed: June 2011



WATERFRONT SOUTH RAIN GARDENS

Green Infrastructure on Brownfield Sites

- → Built on the site of an abandoned gas station
- →1,850 tons of contaminated soil & 12 USTs removed from site
- → 4 rain gardens designed to manage about 500,000 gallons of stormwater per year
- → A green gateway into the Waterfront South neighborhood



WATERFRONT SOUTH RAIN GARDENS

Green Infrastructure on Brownfield Sites







NJTF TREE PLANTINGS

Urban Airshed Reforestation Program (UARP)

1200 block of Whitman Avenue, Camden





→The planting of trees removes concrete and allows stormwater to infiltrate through the ground.

→ In nine years, NJTF has removed over 70,000 square feet of impervious surface to plant 4,402 trees in Camden.

NJTF TREE PLANTINGS

Urban Airshed Reforestation Program (UARP)

→Over 1,000 residents and volunteers engaged during spring and fall 2011





Pictured above: Mayor Dana Redd plants trees at Fellowship House in Waterfront South, Camden

SMART ACCOMPLISHMENTS

>800,000 gallons of stormwater treated per year



RECOGNITION FOR SMART

New Jersey Shade Tree Federation 2011 Green Community Achievement Award



Mayor Dana L. Redd, Jessica Franzini (NJTF), and Meishka Mitchell (CFP) accept the award for the Camden SMART Initiative on October 22, 2011



www.water.rutgers.edu

- City-wide mapping
- Community meetings
- Site visits and City tours
- Conceptual designs





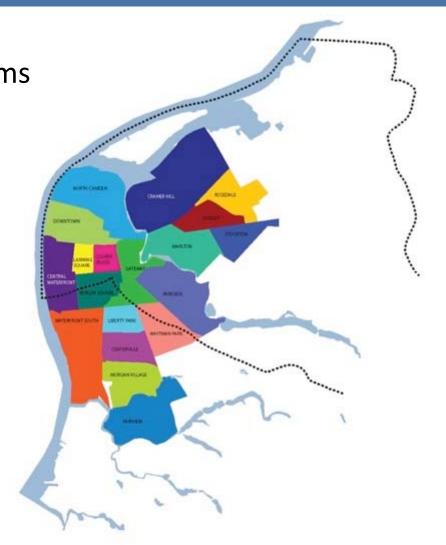




City-wide Mapping

Geographic Information Systems

- 20 neighborhood maps
- Map information includes:
 - Churches
 - Schools
 - Parks
 - Community meeting input



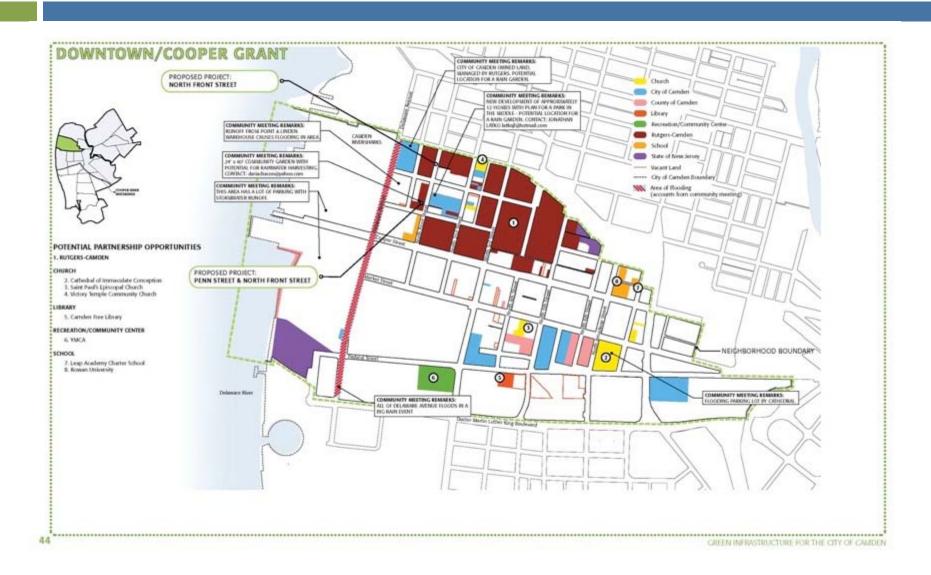
Community Meetings

- 5 meetings across the City
- Residents completed short surveys and sketched on neighborhood maps to identify existing areas of flooding and potential areas for green infrastructure.





Neighborhood Maps



Site Visits and City Tours

- Conducted multiple visits and tours to individual neighborhoods
- Met with community leaders
- Photographed and measured green infrastructure opportunity sites





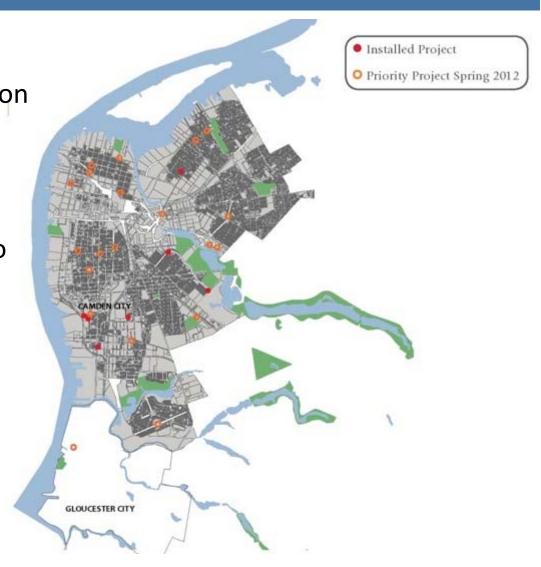
Conceptual Designs

 Identified 40 green infrastructure demonstration projects and programs

 Projects proposed in all of Camden's neighborhoods

 Selected 13 priority sites to begin work in 2012

- Feasible project
- Ready partnership
- High visibility
- Grant funds available



EAST CAMDEN - MARLTON (p. 50)

EAST CAMDEN - ROSEDALE (p. 52)

EAST CAMDEN - STOCKTON (p. 54)

Freemont Avenue & Burwood Avenue

Sumter Road & North Common Road

Alabama Road & Independence Road

CSO Area C22 - Federal Street & River Road * O

CSO Area C27 - Baird Boulevard & Route 30* O

CSO Area CMT - Thorndyke & Route 30 East * O

Baird Boulevard O

North 39th Street

FAIRVIEW (p. 56)

Collings Road * O

GATEWAY (p. 59)

LANNING SQUARE (p. 62)

LIBERTY PARK (p. 64)

MORGAN VILLAGE (p. 67)

South 3rd Street & Line Street O

Jackson Street & North 8th Street .

South 10th Street & Florence Street

South 9th Street & Woodland Avenue

2012 Priority Demonstration Projects



List of Demonstration Projects BERGEN SQUARE (p. 26)

South Broadway & Pine Street O South Broadway & Walnut Street O

CENTERVILLE (p. 29)

South 9th Street & Ferry Avenue O Master Street & Chelton Avenue

CENTRAL WATERFRONT (p. 32)

278 Kaighns Avenue

Riverside Drive & Mickle Boulevard

COOPER PLAZA (p. 35)

St. John Street & Clinton Street South 7th Street & Pine Street O

CRAMER HILL (p. 38)

North 20th Street & River Avenue .

27th Street at Pierce Street & Dupont Street O 29th Street between Pierce Street & Tyler Street O

DOWNTOWN/COOPER GRANT (p. 44)

North Front Street

Penn Street & North Front Street O

EAST CAMDEN - DUDLEY (p. 47)

Saunders Street & North 30th Street

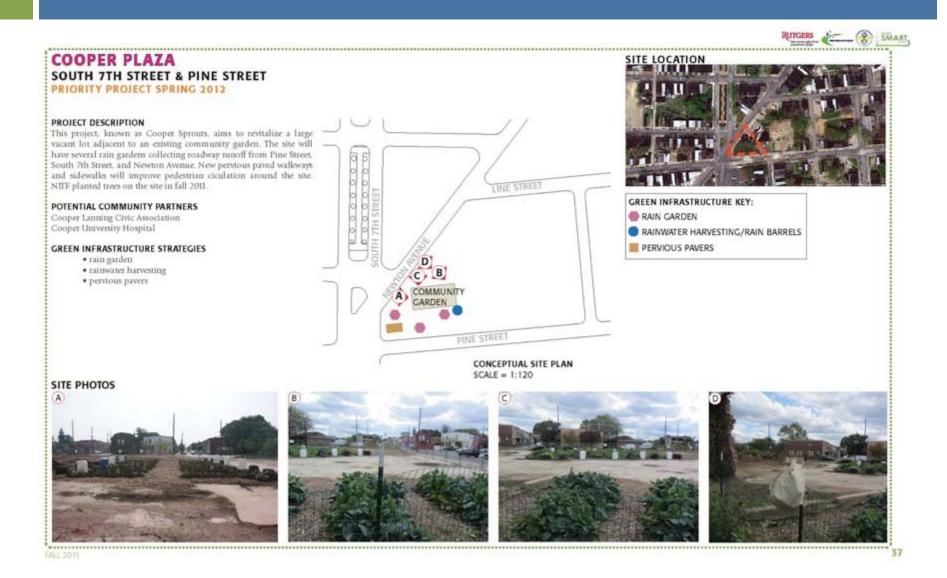
Thompson Street at North 30th Street

2012 Priority Demonstration Project



FALL 2011





2012 Priority Demonstration Project



SOUTH 9TH STREET & FERRY AVENUE

PRIORITY PROJECT SPRING 2012

PROJECT DESCRIPTION

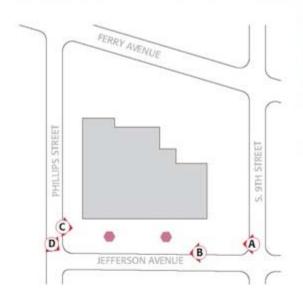
This project, located at the Camden County Ferry Avenue Branch Library, will disconnect the rooftop runoff and prevent it from flowing directly into the CSO system. Two rain gardens will be designed to capture, filter, and infiltrate the first one-inch of rainfall. Native herbaceous species planted within these rain gardens should be adapted to dry. sunny sites. This project could be an appropriate location for a rain garden training workshop.

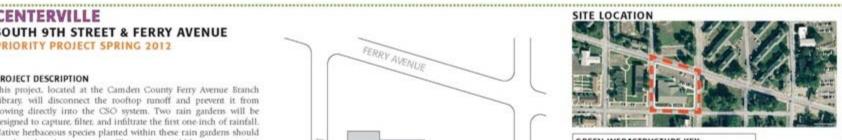
POTENTIAL COMMUNITY PARTNERS

Ferry Avenue Branch Library

GREEN INFRASTRUCTURE STRATEGIES

- · rain garden
- · downspout disconnection





GREEN INFRASTRUCTURE KEY: RAIN GARDEN

CONCEPTUAL SITE PLAN SCALE = 1:80

SITE PHOTOS











2012 Priority Demonstration Project

CRAMER HILL

27TH STREET AT PIERCE STREET & DUPONT STREET

PRIORITY PROJECT SPRING 2012

PROJECT DESCRIPTION

This project consists of a rain garden and an underground infiltration system for an existing community garden site. The system would capture stormwater near the corner of Pierce Avenue and 27th Street. direct it into the rain garden, and then infiltrate into an underground stormwater detention chamber. A pump within this chamber could potentially provide irrigation water for the community garden. This project would complement the existing NITF tree and shrub planting located on the site.

COMMUNITY PARTNERS

Cramer Hill CDC

GREEN INFRASTRUCTURE STRATEGIES

- · rain garden
- · rainwater harvesting

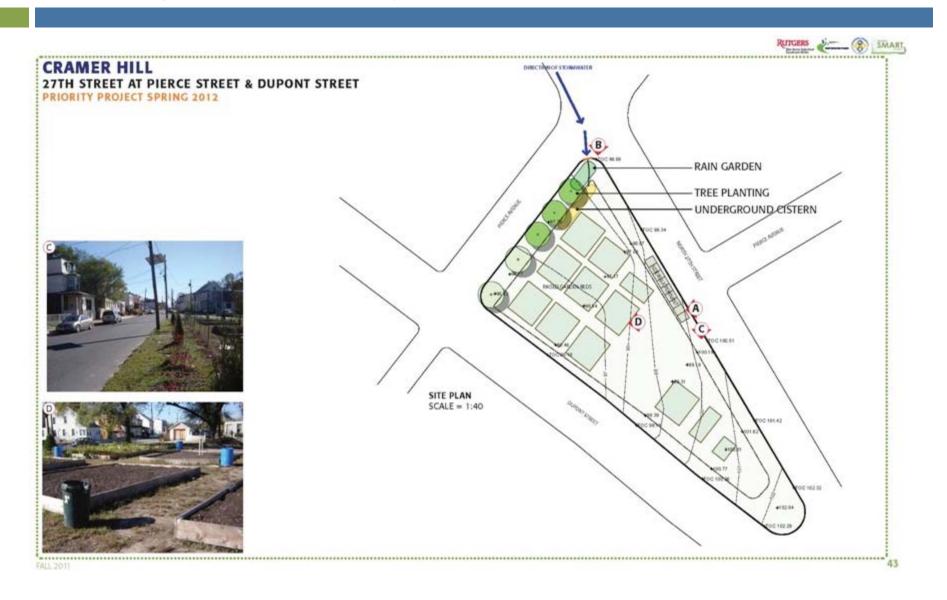




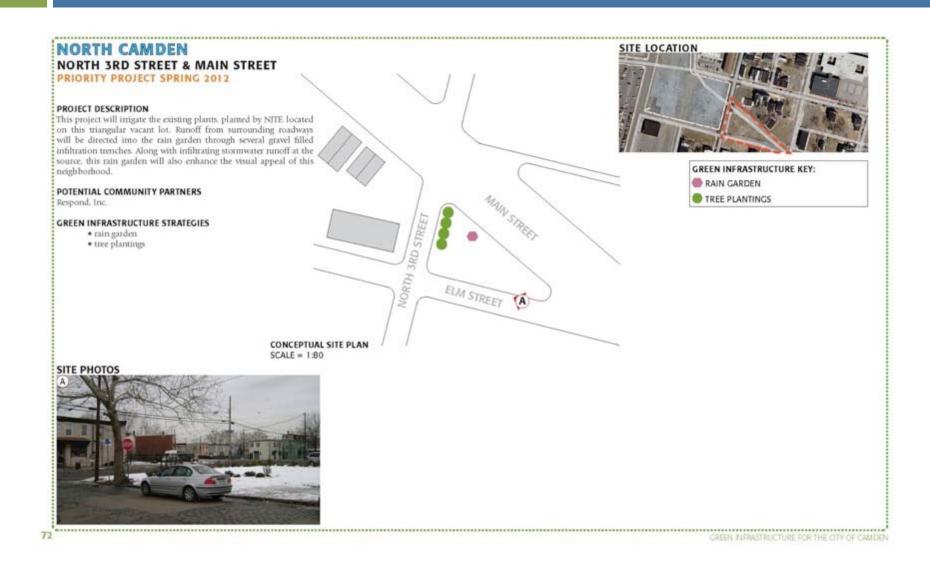


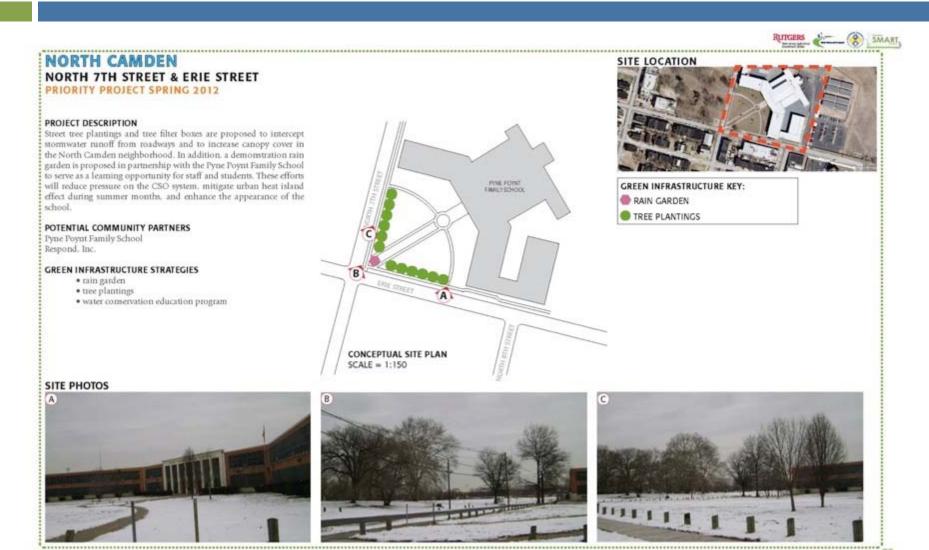
SITE PHOTOS

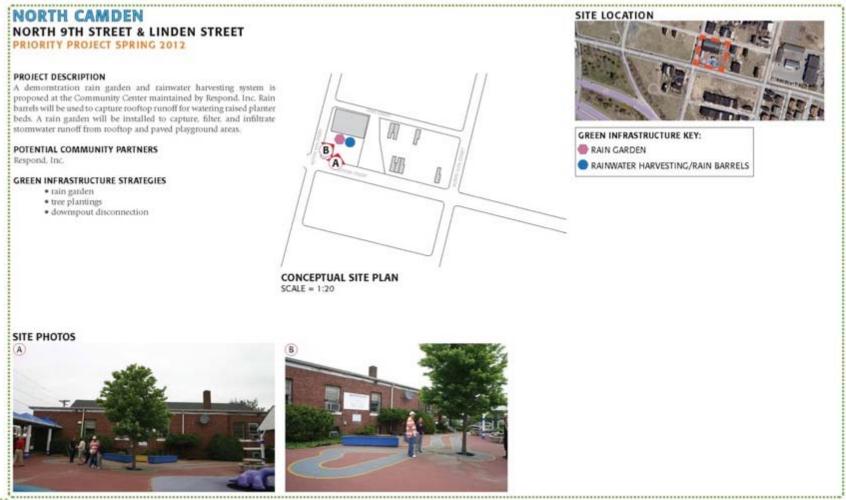








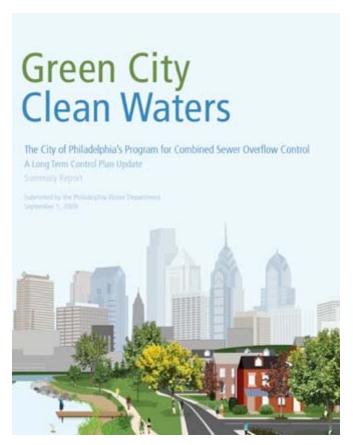








2012 SMART GOALS



The City of Philadelphia's Stormwater Management Plan

- Install 20 new rain gardens throughout Camden
- Solicit rain garden sponsors
- Develop Camden SMART Strategic Plan
- Break ground on Von Neida Park Stormwater
 Management Project & Phoenix Park
- Launch city-wide rain barrel initiative
- Provide additional opportunities for community engagement and education
- Increase network of partners and volunteers
- Environmental policy development
- Economic development

PHOENIX PARK

Former brownfield site in Waterfront South cleared for future 5-acre waterfront park







OPPORTUNITIES FOR STAKEHOLDER ENGAGEMENT



- Sponsor a Rain Garden
- Volunteer to support SMART projects in 2012
- Adopt a tree through NJTF
- Share SMART practices with your community
- Attend quarterly community workshops
 - March 20th, 6pm, CCMUA
 - June 7th, 6pm, location TBD
 - September 25th , 6pm, location TBD
- Participate in Earth Week 2012- *April 19th-25th*
- Invite the SMART team to explore partnership opportunities in your neighborhood



www.camdensmart.com

For more information, please contact Meishka Mitchell of Cooper's Ferry Partnership at (856) 757-9154 or meishka@coopersferry.com

