



New Jersey Department of Environmental Protection

Advancing Multiple Municipal Objectives through the Combined Sewer Overflow Permit

Division of Water Quality

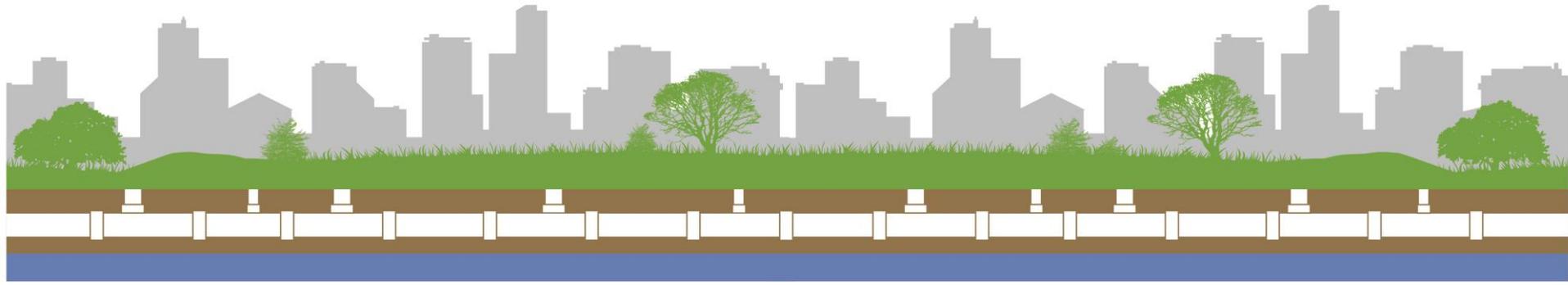
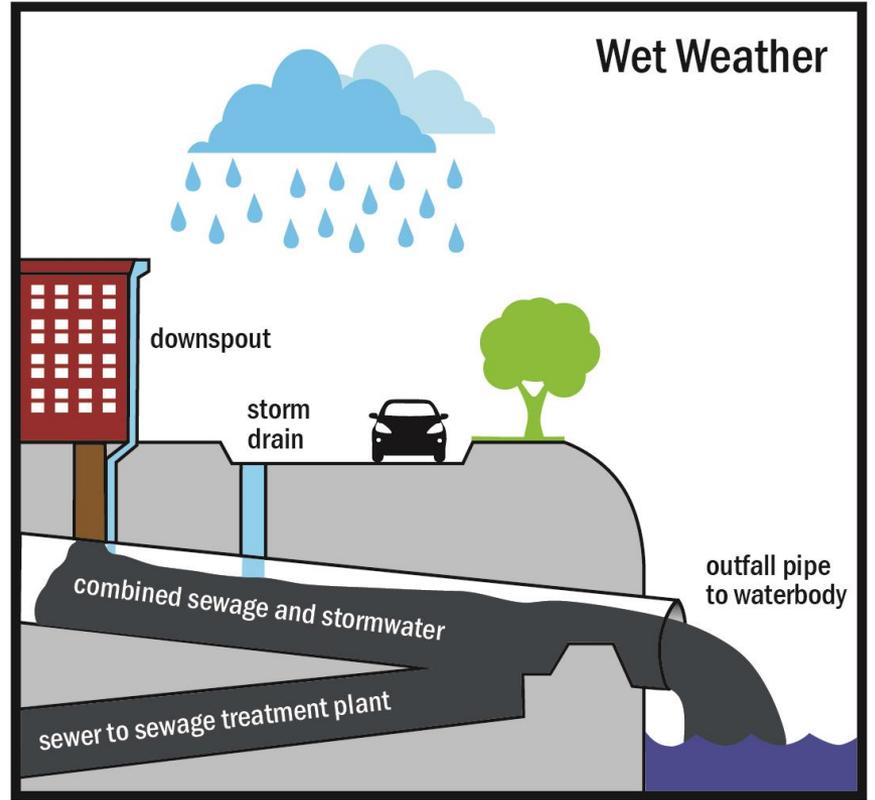
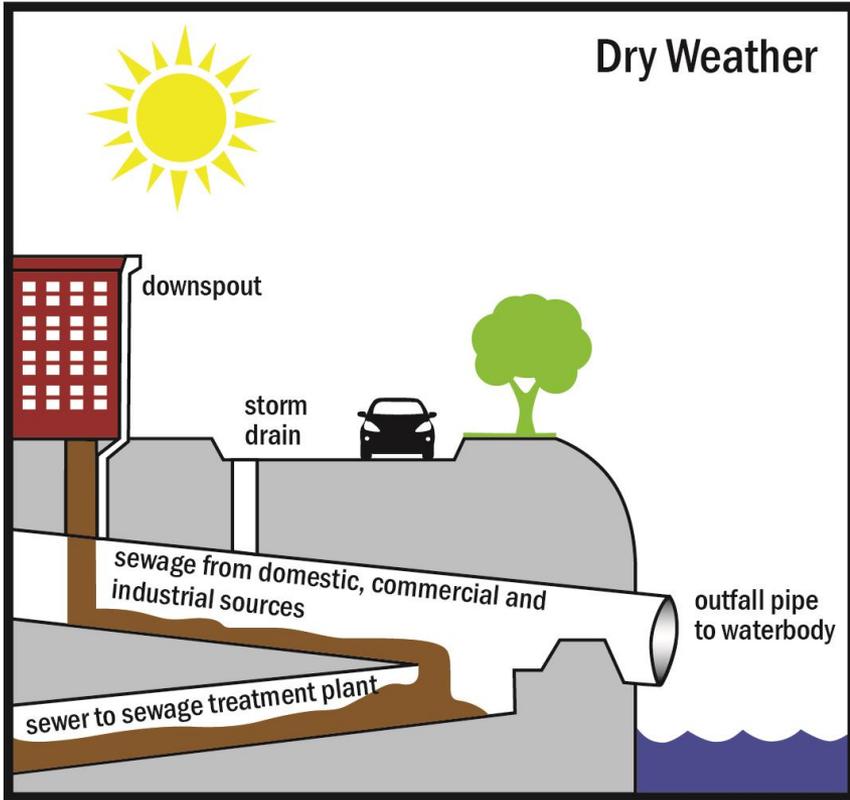
www.nj.gov/dep/dwq/cso.htm



Outline

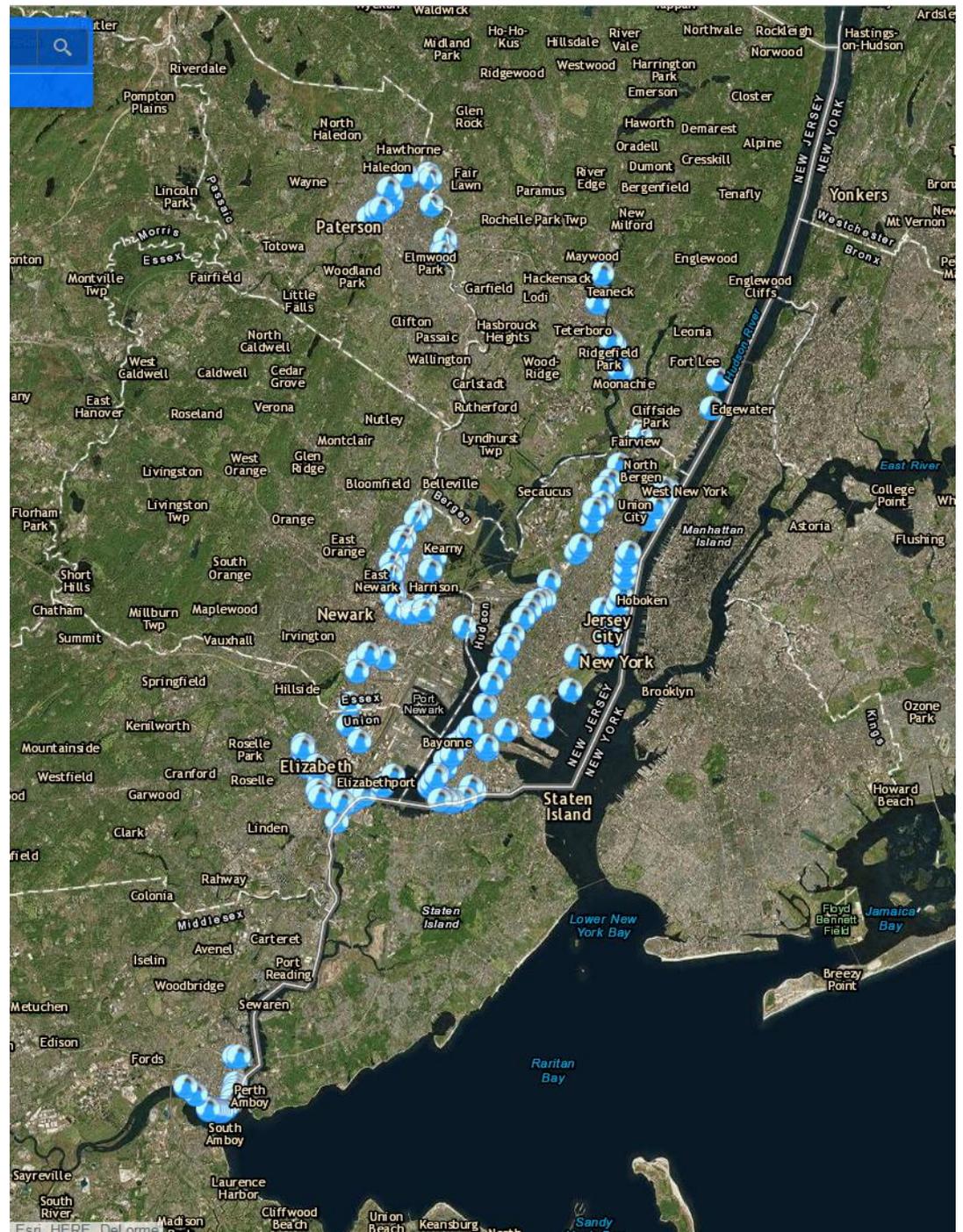
- I. CSO Basics
- II. Highlight of the Permit
- III. Strategies for advancing Multiple Objectives through the Permit





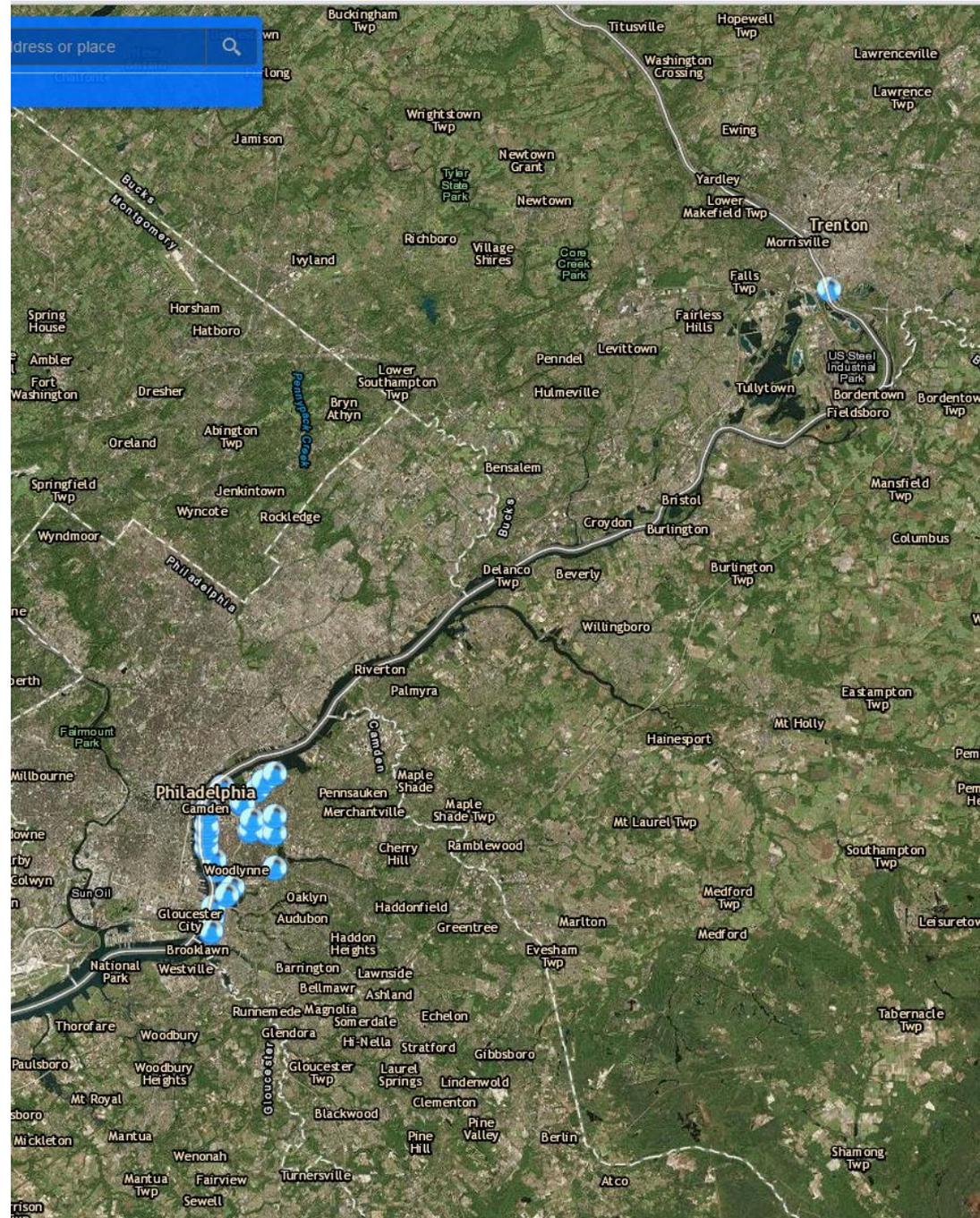
Northern:

- Paterson
- Hackensack
- Ridgfield Park Village
- Fort Lee Borough
- North Bergen Twp
- West New York
- Weehawken Twp
- Hoboken
- Jersey City
- Bayonne
- Kearny
- East Newark Borough
- Harrison
- Newark
- Elizabeth
- Perth Amboy



Southern:

- Trenton
- Camden
- Gloucester City



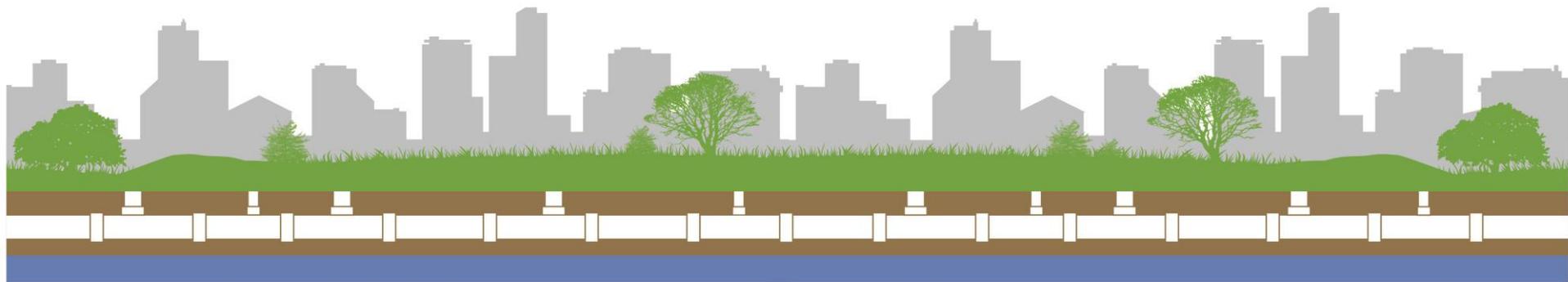
<http://www.nj.gov/dep/dwq/cs-o-basics.htm>

“THE ECONOMIC IMPACT AND FINANCING OF INFRASTRUCTURE SPENDING”

College of William & Mary, Thomas Jefferson Program in Public Policy

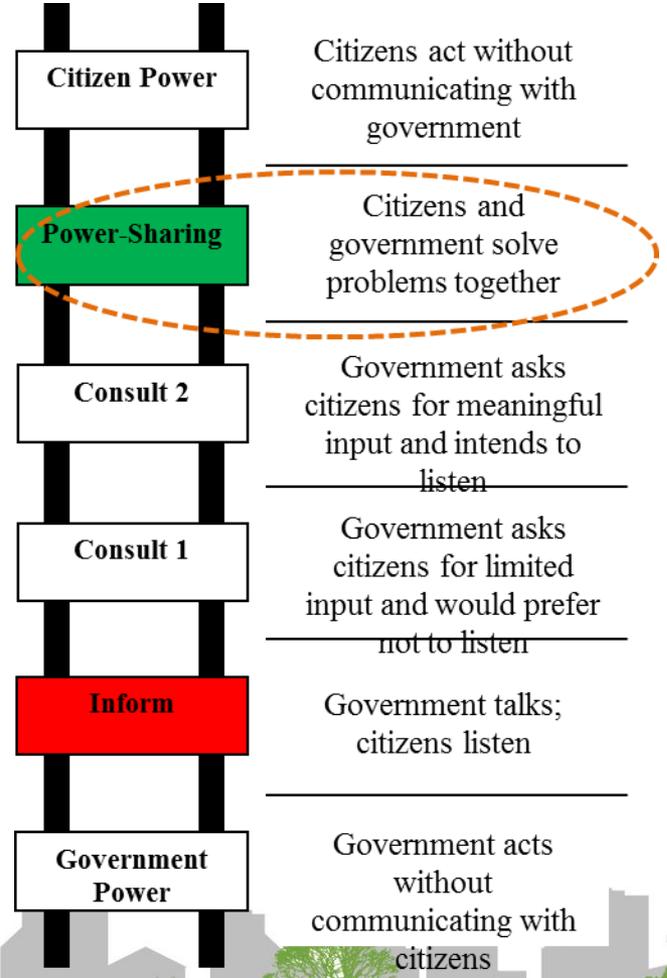
Over a 20 year period, spending \$1 on highways and streets results in \$0.35 in total tax revenue; \$1 spent on sewer and water produced \$2.03 in tax revenue.

“relative scarcity of spending in these areas of late means that future spending will lead to increased economic benefit”



Highlights of the Permit: Long Term Control Plan

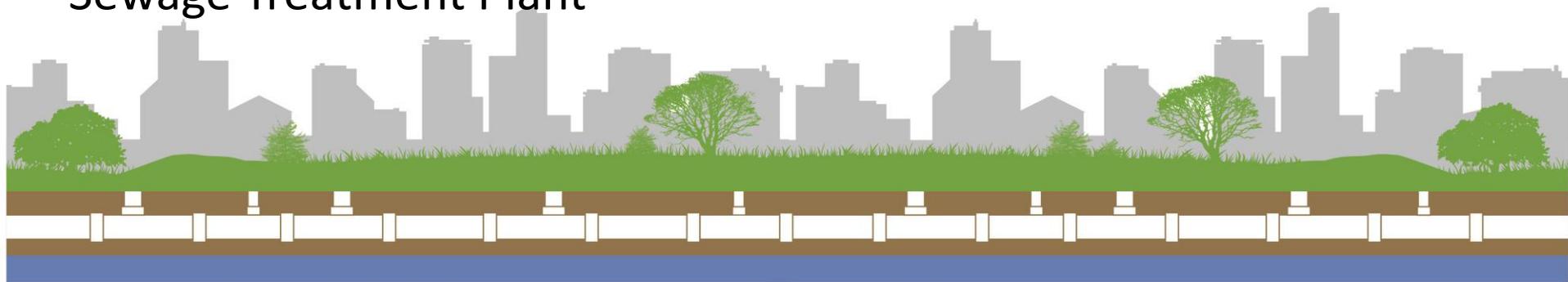
1. System Characterization
 - System Characterization Work Plan
 - System Characterization Report
 - Public Participation Process Plan
 - Consideration of Sensitive Areas Information
2. Development and Evaluation of Alternatives
3. Selection and Implementation of Alternatives



Highlights of the Permit: Long Term Control Plan

CSO Control Alternatives

1. Green Infrastructure
2. Increased storage capacity in the collection system
3. Expansion and/or storage at the sewage treatment plant
4. Infiltration and Inflow reduction
5. Sewer separation
6. Treatment of the CSO discharge
7. CSO related bypass of the secondary treatment portion of the Sewage Treatment Plant



Highlights of the Permit: Nine Minimum Controls

Example of Current Sign

Example of Previous Sign



Advancing Multiple Municipal Objectives

Leverage what you are already doing & accelerate what you may hope to do

REUSE OF ABANDONED LOTS

REDUCE LOCALIZED FLOODING

IMPROVING WALKABILITY

PUBLIC OUTREACH

URBAN GARDENING

LOCALIZED JOB CREATION

INFRASTRUCTURE UPGRADES

TRAFFIC CALMING

WATERFRONT ACCESS

PARK DEVELOPMENT

BIKEABILITY

REDEVELOPMENT

RESILIENCY

PUBLIC ART

STREET SCAPES

WATER CONSERVATION

REDUCING HEAT ISLAND EFFECT

TREE PLANTINGS

INCREASE PROPERTY VALUES



Upgrading Infrastructure to support Redevelopment



Boundaries: Bounded by Union County College to the west, Amtrak rail line to the south and east, and Westfield Avenue to the north.

PURPOSE

Through controlled redevelopment the City will realize the maximum potential for commercial and residential development in this key “center city” area. It may also provide an opportunity to provide senior housing. It will produce jobs especially in the office/service-sector.

Finally, it will create a positive impact on the entire CBD by improving the City’s visual image, providing additional amenities for residents, shoppers, and workers and maintaining and enhancing environmental quality.

Waterfront Access



Community Greening



Community Gardening



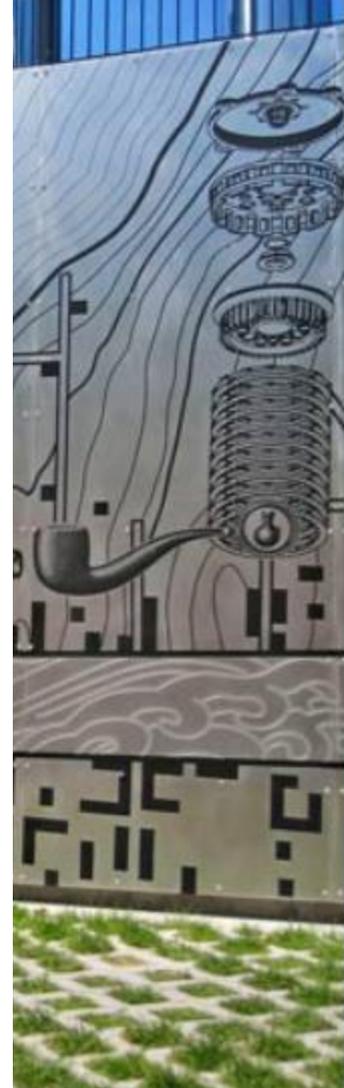
The Passaic Valley Sewerage Commission (PVSC) completed a green infrastructure demonstration project behind School 5 on Monday morning installing a 2,500-gallon cistern that will collect rainwater from a nearby roof for use in watering vegetation at the Elysian Fields Community Garden.

FIELDS

Reducing Localized Flooding

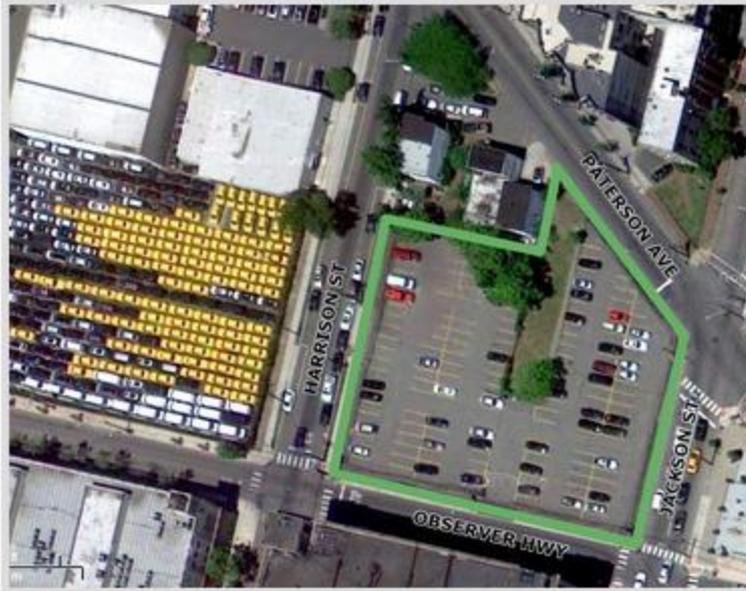


PUBLIC ART



Undercurrents: Wall Berm © 2003 Laura Haddad and Tom Drugan. Photo courtesy of the artists.

Park Development



HOBOKEN SOUTHWEST PARK



PHASE 1 | SITE PLAN

Career Center

- ▶ Openings
- ▼ DC Water Works!
A Local Hiring Initiative
 - ▶ Employment with DC Water Contractors
 - ▶ Satellite Jobs
- ▶ Employment
- ▶ Employment
- ▶ Internship Programs

DC Water Works!



Graduates of the *Growing Futures* program celebrate with Wendy the Waterdrop.

Program Overview

The objectives of DC Water Works! include:

- ▶ A targeted campaign to advertise DC Water jobs to local residents
- ▶ Collaboration with District job training and apprenticeship programs
- ▶ Coordinated and incentive-based program to encourage DC Water contractors to interview and hire additional District residents

LOCAL JOBS



Philadelphia Water and PowerCorpsPHL: 'Perfect Pipeline' for Green Jobs

Jun 3, 2015

posted in [PowerCorpsPHL](#)



Philadelphia Water Commissioner Howard Neukrug and Philadelphia Water Environmental Scientist Alex Warwood with PowerCorpsPHL workers.

Community Engagement



Lucy Diggs Slow

@LucyTBM

Youngest TBM. Sister to @ and @NannieTBM. #BloomLocavore.

📍 Bloomingdale, DC



DC Water @dcwater · Oct 12

Come see what the #PoopToPower buzz is



DC Water @dcwater · Sep 30

Ahead of the #TSJoaquin, help us mitigate flooding by reporting clogged catch basins. dcwater.com/report_problem/



👉 7 ★ 4 ...

Increasing Walkability & Bikeability



Permeable pavement in the Cermak/Bl



TAKE-AWAYS

Think about what goals your municipality is trying to achieve and how they can support the Long Term Control Plan.

Think about how the Long Term Control Plan can help advance other municipal and community goals.

State and Federal partners are here to support you in linking your goals to the CSO Long Term Control Plan.

