



District of Columbia Water and Sewer Authority
George S. Hawkins, General Manager

Briefing on:

Green Infrastructure Challenge Projects

Briefing for:

ANC 4D



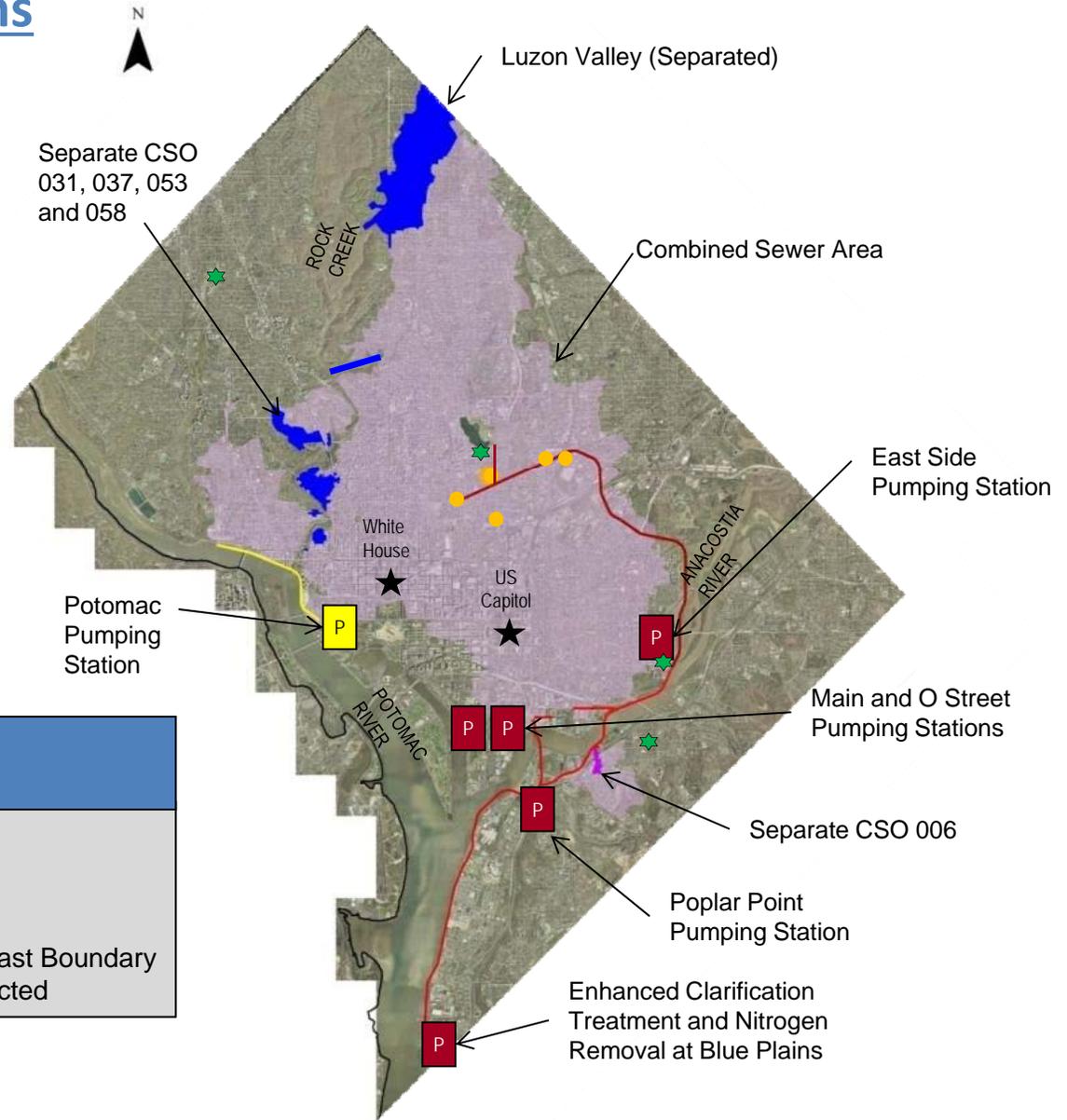
May 19, 2015

DCWATER.COM

DC Clean Rivers Project and Nitrogen Removal Programs – Prior to Modification

LEGEND

-  Anacostia River Tunnel System
-  Potomac River Tunnel
-  Piney Branch Tunnel
-  Pumping Station Rehabilitation
-  Known Flood Area
-  Green Infrastructure (by DC Water)

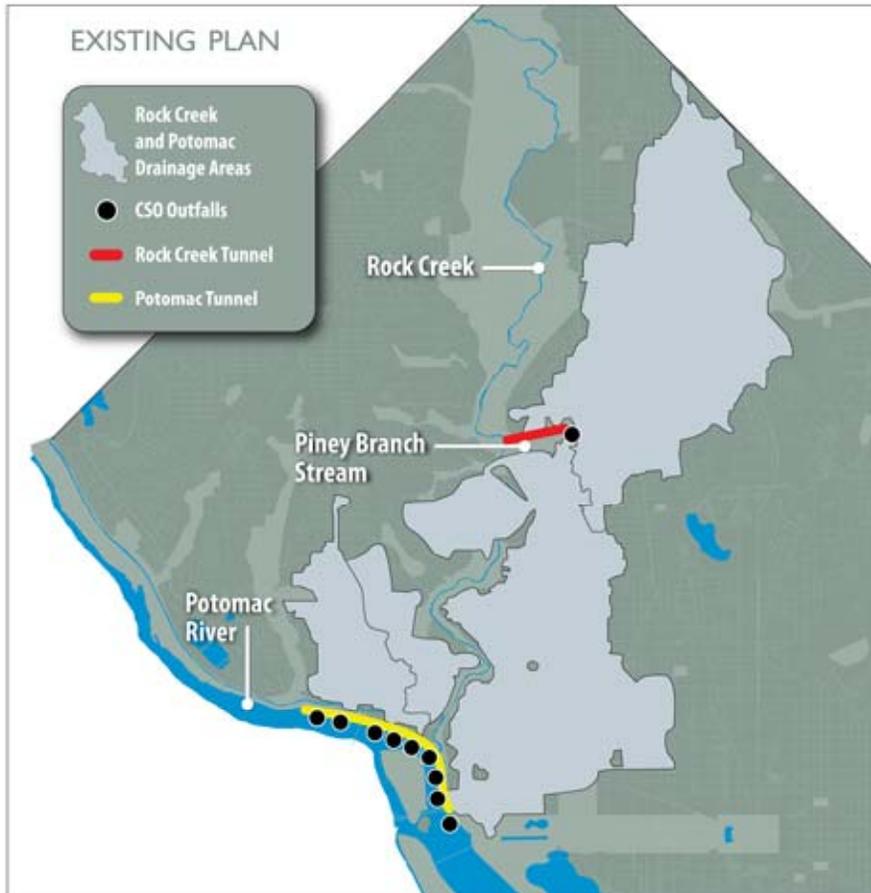


DC CLEAN RIVERS PROJECT AND NITROGEN REMOVAL PROGRAMS

- DC Clean Rivers Project: \$2.6 Billion
- Nitrogen Removal: \$950 Million
- Total > \$ 3.5 Billion
- 20 yr implementation (2005 – 2025)
- 96% reduction in CSOs & flood relief in Northeast Boundary
- Approx 1 million lbs/yr nitrogen reduction predicted

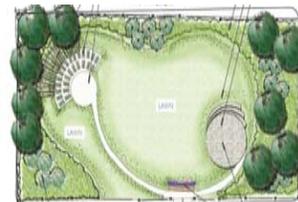


Background: DC Clean Rivers Proposed Green Infrastructure Plan



GI Challenge Goals

- Challenge Goals
 - Proposing practical and implementable solutions that can be constructed
 - Demonstrating performance in capturing stormwater runoff volume
 - Retrofitting the urban environment and utilizing stormwater as a site amenity
 - Advancing innovative technologies
 - Demonstrating cost effective solutions



GI Challenge Design Phase Summary

- Two Planning Phase Winning Designs Selected for Final Design
- Categories for this Phase Include:
 - **Kansas Avenue Green Infrastructure Parks Project**
 - Designs for 2 GI Parks
 - Selected Team: CH2M
 - **Kennedy Street Green Infrastructure Streetscape Project**
 - Design for 1 GI Streetscape
 - Selected Team: Nitsch Engineering
- Streetscape project to be bid and constructed with DDOT Kennedy Street Project



GI Challenge Design Phase

GI Parks Project Description

Kansas Avenue NW Green Infrastructure Parks Project:

- Park 1:
 - Approx 150' L x 90' W. Bounded by Ingraham Street NW, Kansas Avenue NW, and 3rd Street NW
 - Brightwood Park Neighborhood
 - Existing Site Conditions:
 - Mix of shade and ornamental trees
 - Sidewalks on all sides
 - Adjacent to Washington Latin PCS
 - Surrounded by row houses
- Park 2:
 - Approx 170' L x 90' W. Bounded By Longfellow Street NW, Kansas Avenue NW, and 2nd Street NW
 - Brightwood Park Neighborhood
 - Existing Site Conditions:
 - Small, recently planted trees and turf
 - Sidewalks on all sides
 - Adjacent to Fort Slocum Park
 - Surrounded by row houses



GI Challenge Design Phase

GI Streetscape Description

Kennedy Street Green Infrastructure Streetscape Project:

- Bounded by 1st Street NW and Missouri Avenue NW
 - Approximately 800' long with a right-of-way width of 60'
 - Primarily commercial site
 - Brightwood Park neighborhood
 - Characterized by broad sidewalks, a mix of recently planted trees and mature trees, and underutilized commercial properties
 - Design to be closely coordinated with DDOT work on Kennedy Street.



GI Challenge Design Phase Anticipated Schedule

Task	Date – GI Parks	Date – GI Streetscape
1. Public Outreach Meeting # 1	May 28, 2015	May 28, 2015
2. Public Outreach Meeting # 2	July 2015 (TBD)	July 2015 (TBD)
5. Public Outreach Meeting #3 (~ 90% Design)	December 2015	N/A
7. Construction	TBD (pending LTCP Modification)	w/ DDOT Kennedy Street Project October 2015 – Spring 2016 (Anticipated)

GI Challenge Design Phase

Next Steps

Next Steps:

- First Public Outreach Meeting May 28, 2015 from 6:00 pm – 8:00 pm
 - Roots PCS, 15 Kennedy Street, NW Washington, DC 20011
 - Goal: Solicit and incorporate feedback from the public in design process
- Second Public Outreach Meeting July, 2015
 - Date/Location TBD



QUESTIONS AND ANSWERS