WOODY WARD
STORMWATER RETROFIT PROJECT

PUBLIC STAKEHOLDER CONSTRUCTION KICKOFF MEETING

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AGENDA

• Project Area & Background
• Existing Conditions
• Project Objectives
• Restoration Approach
• Construction Details
• Timeline
• Q&A
PROJECT LOCATION
BACKGROUND
Figure 1.1 Water Balance at a Developed and Underdeveloped Site (Source: Schueler, 1987)

Surface runoff is minimal in an undeveloped site, but dominates the water balance at a highly impervious site.
PROBLEM OF STORMWATER POLLUTION
A single 1.2 inch storm falling on this area produces about 525 million gallons of stormwater runoff.
DC’S RESTORATION APPROACHES

- DC Water
- CSS
- MS4
- DOEE
EXISTING CONDITIONS
NEW!
PROJECT OBJECTIVES

• Treat maximum amount of stormwater from the site in the most cost effective way
• Work only on District land
• Minimal impacts to the community
• Development of a community amenity
• Educational opportunities
RESTORATION APPROACH
Most stormwater practices all work the same way: “they collect stormwater runoff and use or mimic natural processes that result in the infiltration, evapotranspiration or use of stormwater in order to protect water quality and associated aquatic habitat” (EPA).

Slow it down, Spread it Out, Soak it In!
BIORETENTION
BIORETENTION: HOW IT WORKS
BIOSWALES
DRAINAGE AREAS
PROJECT TIMELINE

• November 2018: contract awarded
• November – January 2019: field assessment (topographic survey, geotechnical investigations etc.)
• January – June 2019: design development
• 3 public meetings:
  — Concept designs: January 16, 2019
  — Semi-final designs (~65%): March 27, 2019
  — Construction Kickoff meeting: June 24, 2019
— Construction kickoff meeting (timeline): Oct. 1, 2020
• ~12 weeks for construction
CONSTRUCTION DETAILS
GENERAL INFORMATION

- All work to occur on weekdays (M-F)*
- Work hours are 8AM–5PM*
- Construction vehicles on site:
  - 1 track truck
  - 2 excavators
  - 1 company truck parked in construction zone
  - 2-3 personal vehicles parked on G St.
- DOEE Community Point of Contact:
  Cecilia Lane
  Cecilia.lane@dc.gov
  202-535-1961
SITE ACCESS & PARKING RESTRICTIONS

• Parking Restrictions on Hanna for less than 1 week during construction
• No pedestrian access through paper street during construction (work hours)
  – As work in this area is completed, area to be opened to pedestrian access
FAQs

• How do we find our project sites?
  – Enthusiastic landowners!
  – Funding sources
  – Large areas of untreated impervious cover
  – More impactful locations

• What can I do?
  – RiverSmart Homes
    • Rain Gardens
    • Permeable Pavers
    • Rain Barrels
    • Tree Planting
    • “BayScaping”

https://www.riversmarthomes.org/