HICKEY LANE
STORMWATER RETROFIT PROJECT

PUBLIC STAKEHOLDER CONSTRUCTION KICKOFF PUBLIC MEETING

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AGENDA

• Project Area & Background
• Existing Conditions
• Project Objectives
• Restoration Approach
• Construction Details
• Timeline
• FAQs
• Q&A
BACKGROUND
PROBLEM OF STORMWATER POLLUTION
DISTRICT OF COLUMBIA LAND USE

Total Area
68.3 mi²

Land Area
61.3 mi²

Impervious Area
26.6 mi²
Approx 43% of Land Area

A single 1.2 inch storm falling on this area produces about 525 million gallons of stormwater runoff.
DC’S RESTORATION APPROACHES

DOEE

DC Water

CSS

MS4
EXISTING CONDITIONS
EXISTING CONDITIONS
PROJECT OBJECTIVES

• Treat maximum amount of stormwater from the site in the most cost-effective way
• Support previous stormwater management efforts on site
• 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!*
SUBMERGED GRAVEL WETLANDS

- Pollutant removal is achieved through:
  - Biological uptake from algae and bacteria growing within the filter media
  - Wetland plants provide additional nutrient uptake and physical and chemical treatment processes allow filtering and absorption of organic matter
  - Allows for distinct plant palette

Figure: Diagram of a gravel wetland. Source: UNH
CONSTRUCTION DETAILS
GENERAL INFORMATION

• All work to occur on weekdays (M-F)*
• Work hours are 7AM–5PM
• Construction vehicles on site:
  – 1 track truck
  – Up to 2 excavators
  – Up to 2 company trucks parked in construction zone
  – 2-3 personal vehicles parked in Arboretum Parking Lot
• DOEE Community Point of Contact:
  Cecilia Lane
  Cecilia.lane@dc.gov
  202-535-1961
SITE ACCESS & PARKING RESTRICTIONS

• Vehicular Traffic redirected through Hickey Lane Parking Lot
• No pedestrian access through Work Area
PHASE 2

CONSTRUCTION ZONE
NO PUBLIC ACCESS

STAGING & STOCKPILE AREA
NO PUBLIC ACCESS

VISITOR TRAFFIC DETOUR
PROJECT TIMELINE

• March 2020: contract awarded
• April – July 2020: field assessment (topographic survey, geotechnical investigations etc.)
• August 2020 – May 2021: design development
• 3 public meetings:
  – Concept designs on 10/26/2020
  – Semi-final designs (~65%): 1/27/21
  – Construction kickoff meeting (timeline): 5/26/21
    • Construction to begin June 15, 2021
    • Expected to take 10 weeks
    • No work on holidays or during rain
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/
QUESTIONS