SD-000031-146 Indian Run at Indian Run Court

Stream Restoration Project

Department of Public Works and Environmental Services Working for You!





A Fairfax County, VA, publication March 19, 2015

Agenda

- Program Drivers
- Watershed Overview
- Project Introduction
- Exiting Conditions
- Project Goal
- Typical Structures Used
- Next Steps
- Contact Information

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Program Drivers

- Stream Restoration: Return physical and ecological functions of the stream to the maximum extent possible
- Erosion Control
- Public Safety
- Improve Water Quality
- State and Federal Regulations
 - Chesapeake Bay Agreement
 - Partnering states (VA, MD, DC, DE, PA, WV) signed the agreement to restore the bay health and ecosystem.
 - Executive Order
 - President Obama recognized bay as national treasure (May, 2009) and calls to restore the bay
 - Municipal Separate Storm Sewer Permit (MS-4)
 - · Easements rights and responsibility to maintain/upgrade
 - Total Maximum Daily Loads (TMDL)
 - · Regulates amounts of pollutants in waterways

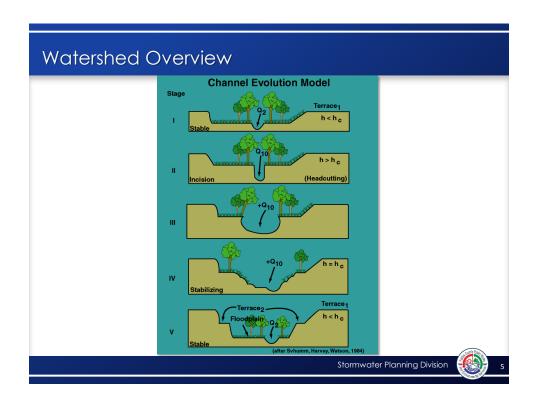
Implementation Strategies (Fairfax County - 400 Sq. Mi.):

- Watershed Management Plan
 - Developed for 30 watersheds
 - Priority areas for retrofits/restoration

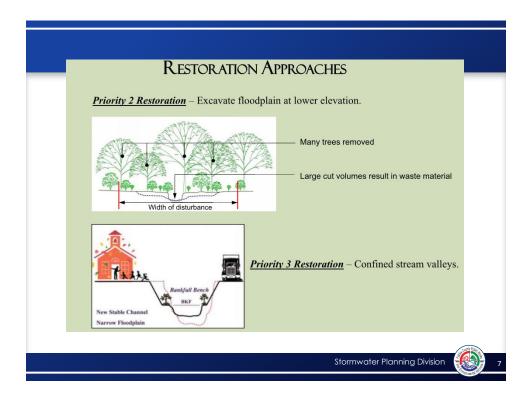
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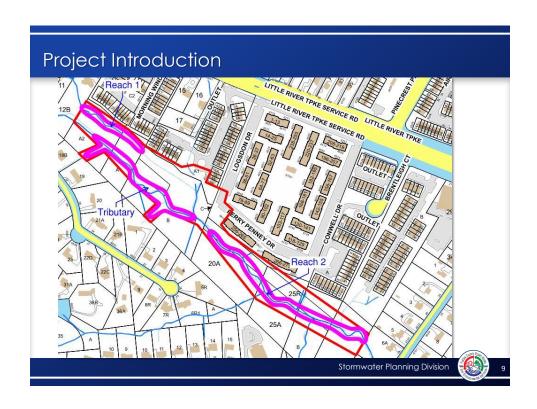
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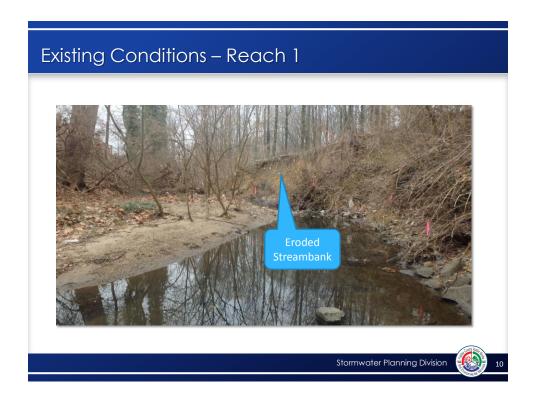




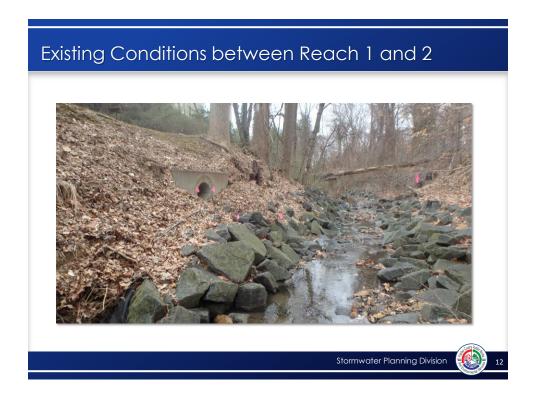




























Project Goal

Restore Approximately 2,200 Linear Feet of Stream on Park Authority Land

- Stabilize Streambed and Banks
- Improve Habitat
 - Planting Native Trees, Shrubs, and Vegetation
- Reconnect the Floodplain
- Protecting Structures
 - Railroad Embankment
 - Pedestrian Bridge
 - Utility lines

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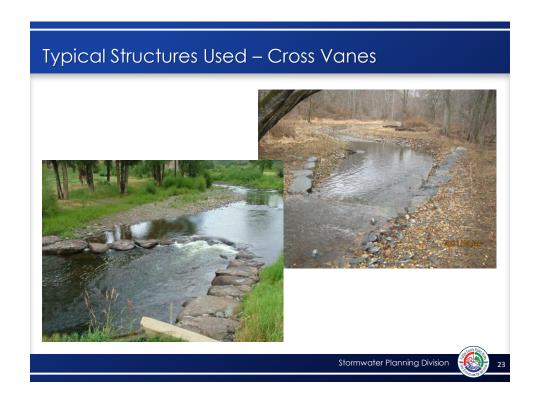
Current Project Status

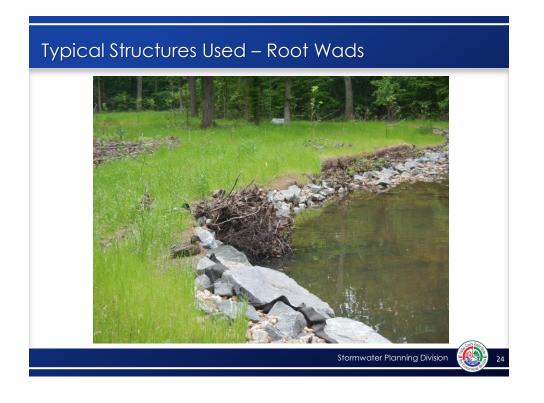
- Design Contract with WSSI
- Survey
 - Site and stream
 - Tree
 - 12" or larger diameter
 - Health
 - Tree Type
 - Structure
- Archeological Survey
- Iterative Concept Design

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2









Next Steps - Schedule

- Concept Design October, 2015
- Preliminary Design January, 2016
- Final Design April, 2016
- Construction Start When construction funding becomes available
- Your participation in Design
 - 2 members to represent all of the HOAs

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Additional Information

For additional information, please contact

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