PRINCE GEORGE'S COUNTY | CORVIAS

CLEAN WATER PARTNERSHIP

# The Clean Water Partnership
# Briers Mill Run Stream Restoration

Corvias®

# Briers Mill Run Restoration Presentation

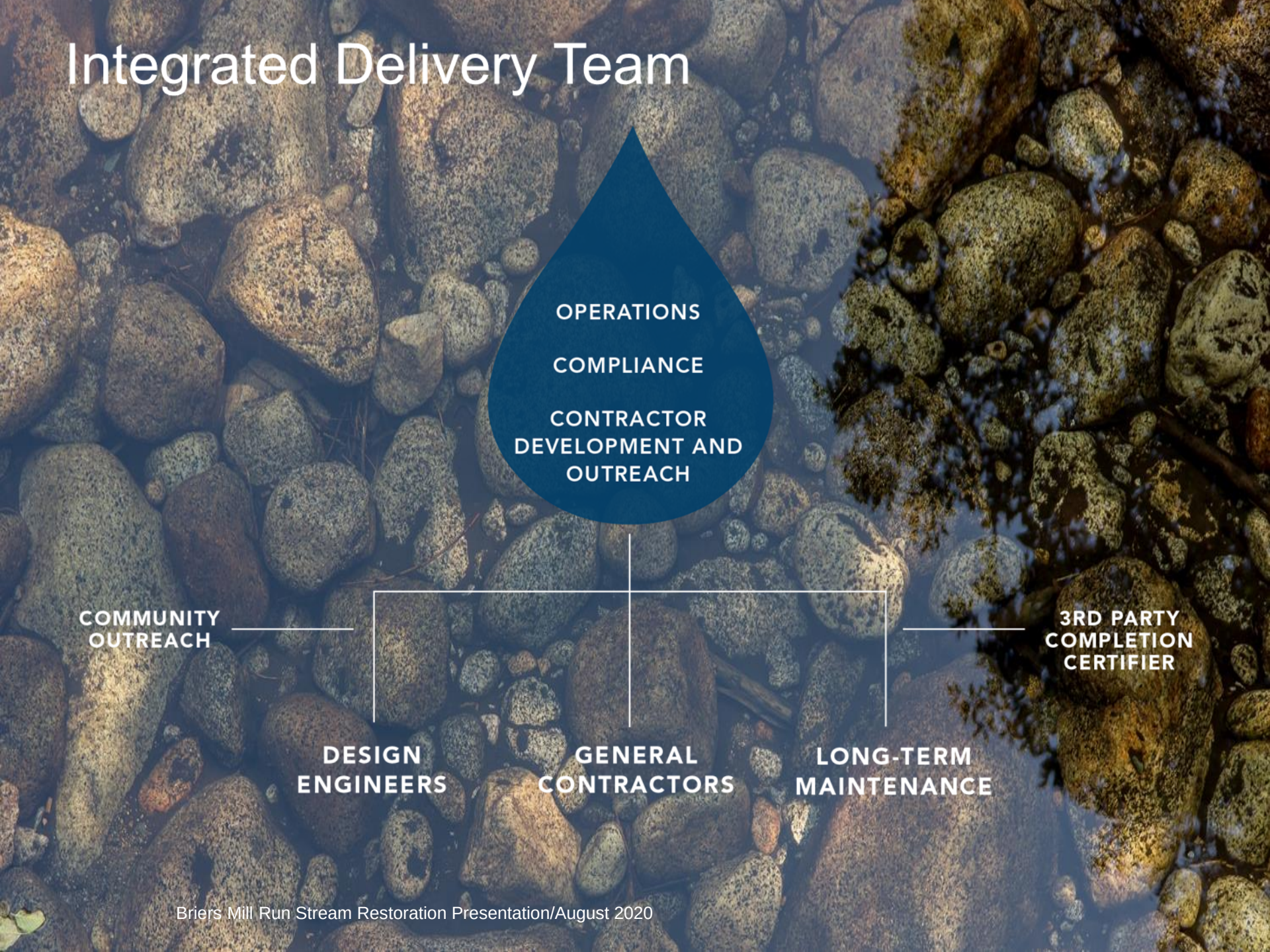
- Introduction
- Project Details
- Maintenance of Traffic (MOT)
- Q&A

# Program Scope

## Plan, design and build stormwater retrofit projects across Prince George's County

- The goal is to retrofit 4000 impervious acres
- 30 years of functional maintenance of all devices installed
- Local, small and minority owned businesses perform 30-40% of work
- Community and social economic development  through alternative compliance with faith based and 501c3 organizations, mentor protégé program and the school's program

# Integrated Delivery Team

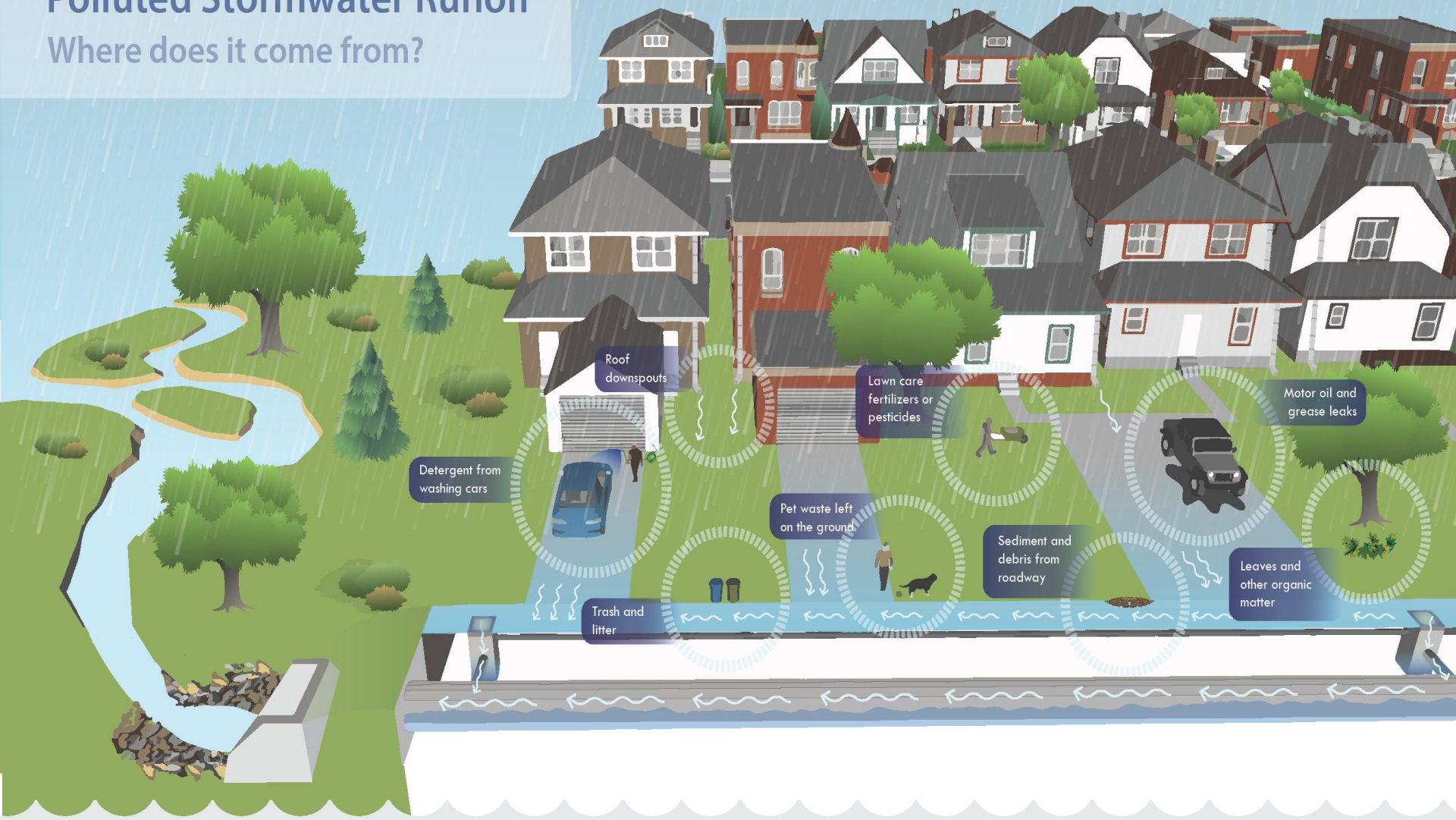


# Community Outreach Meetings

- **Wednesday, October 16, 2019**
  - Presentation to New Carrollton City Council
- **Tuesday, November 5, 2019**
  - On-site meeting with community members and Soltesz to flag trees that can most likely be preserved
- **Tuesday, November 12, 2019**
  - Presentation to New Carrollton Green Team
- **Wednesday, December 11, 2019**
  - Town Hall Meeting
    - CWP program will present on current design plans for Briers Mill Run stream restoration
- **Wednesday, February 5, 2020**
  - Second Presentation to New Carrollton City Council
- **Tuesday, June 16, 2020**
  - Virtual Town Hall Meeting

# Polluted Stormwater Runoff

## Where does it come from?




## CLEAN WATER PARTNERSHIP

The Clean Water Partnership delivers functional and sustainable stormwater retrofit projects throughout Prince George's County. The program is committed to supporting local small businesses, residents, schools, non-profits and others in their efforts to clean up our waters and beautify the County. Visit www.thecleanwaterpartnership.com to learn more. Problems? Call the help line at 301-291-2259.

# What Does This Mean for the Community?

- Prince George's County, in alliance with the CWP has been working on the planning and design of a stormwater management project at Briers Mill Stream, extending from Jodie Street to 85th Place.
- The CWP program will implement and construct stream restoration best management practices (BMP) and is committed to upgrade and maintain the installed BMP.

**Estimated Construction Start: September 2020**

# What is Stream Restoration?

- A process that stabilizes eroded streams by returning them to a healthy state
- A BMP that improves water quality
- There are several stream restoration techniques and each restoration project is unique

# Why is Stream Restoration Important?

- Approximately 75% of all sediment pollution in the Anacostia Watershed is caused by erosion of riverbanks and river bottoms.
- Stream restoration can help reduce the amount of sediment pollution entering the watershed while improving stream health and enhancing wildlife habitat.
- Restoring the stream helps Prince George's County meet Municipal Separate Storm Sewer System (MS4) Federal requirements.

# Stream Erosion Examples

Large flows of water from impervious surfaces can cause severe erosion and flooding, which can damage buildings, yards and structures and reduce nearby property values.

Location: Laurel, MD

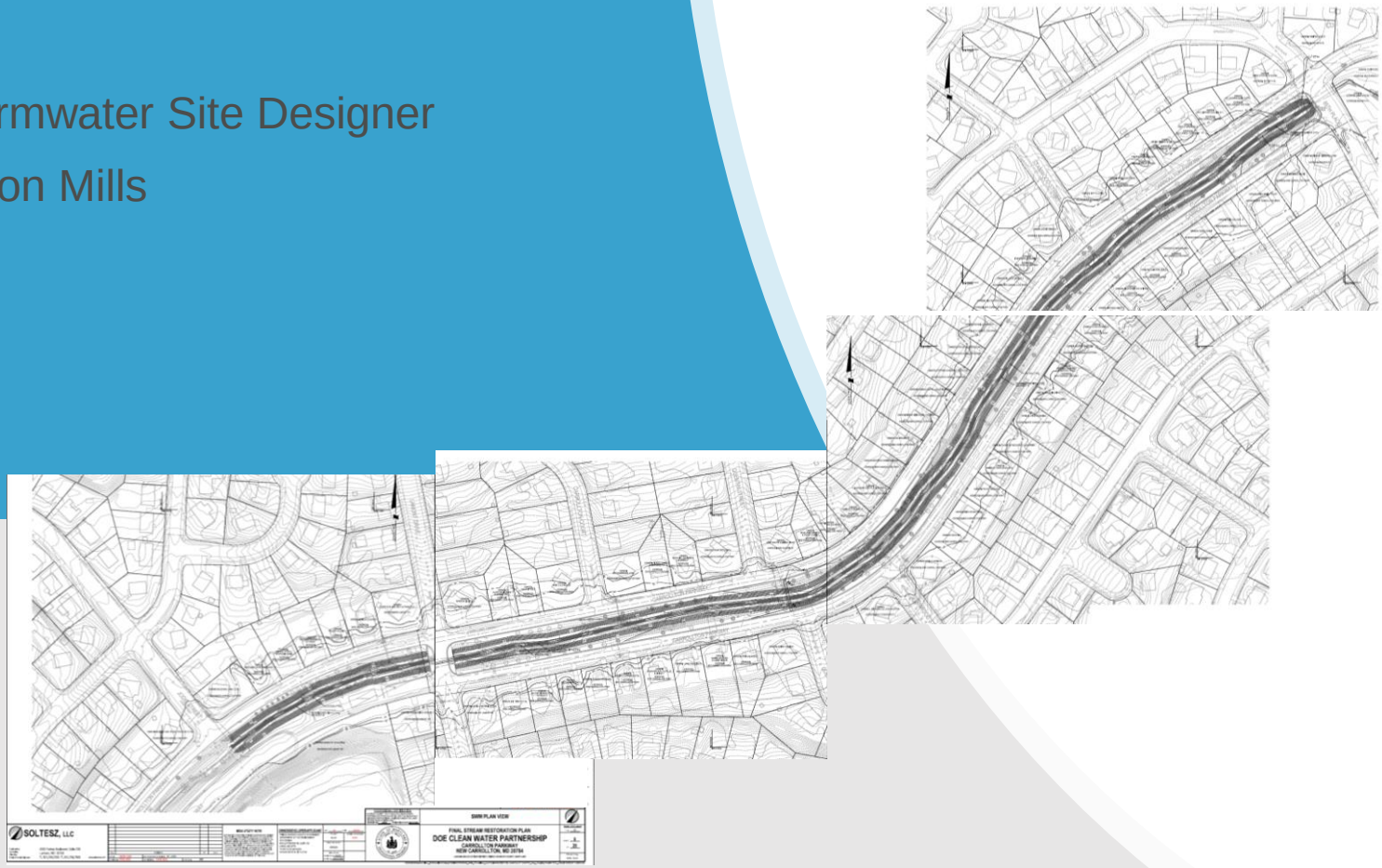
This stream example is not located in Maryland.

# Site Construction
# NARDI Construction

# Revised Project Details: Briers Mill Run

Stormwater Site Designer

Jason Mills



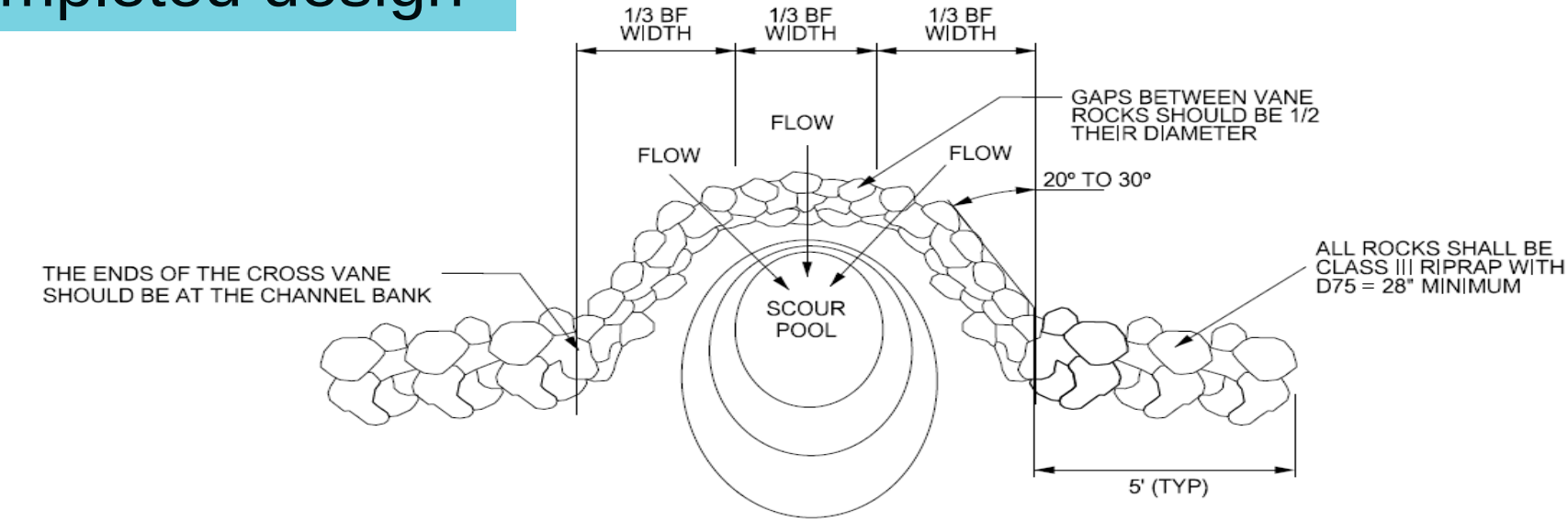
# Proposed Stream Restoration Location

## Along Carrollton Parkway from Jodie Street to 85th Place

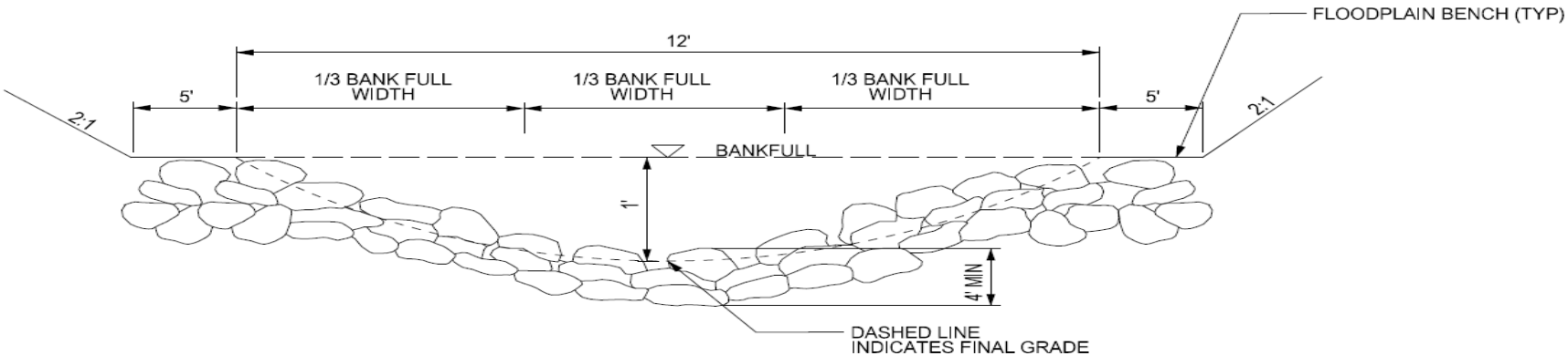
# Completed Design

- Natural erosion control best practices will be implemented
- A bio-degradable product will be used to stabilize the stream bank
- Remove trees from the stream area
- **New trees will be installed** along the top of the bank
- Remove invasive vegetation
- Install native plants and shrubs

# Completed design



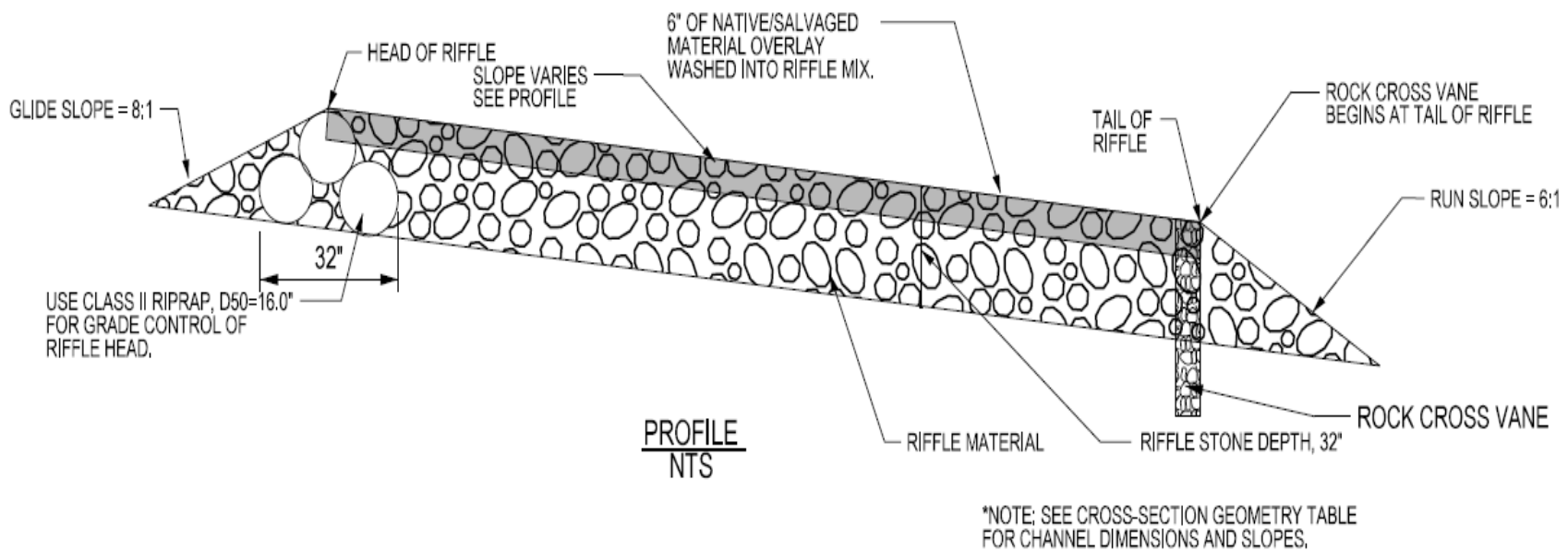

**ROCK CROSS VANE PLAN VIEW**




**ROCK CROSS VANE CROSS-SECTION VIEW**

SCALE: NTS

# Completed design




TYPICAL ENGINEERED RIFFLE

SCALE: NTS

# Proposed Best Management Practices (BMP)

Cross Vane

Riffle Pool Spacing

# Proposed Best Management Practices (BMP)

Large Pool

# Proposed Best Management Practices (BMP)

Large Pool

# Vegetation/Tree Types

- Tree Types
  - Shademaster Honeylocust (approx. 50 to be planted)
  - Willow Oak (approx. 36 to be planted)
  - Chancellor Littleleaf Linden (approx. 27 to be planted)
  - October Glory Red Maple (approx. 11 to be planted)

# Vegetation/Tree Types

- Grass/Vegetation Types
  - Kentucky Bluegrass
  - Annual Ryegrass
  - Foxtail Millet

# Briers Mill Run - Current Conditions

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# Maintenance of Traffic (MOT) Overview

- Construction will be completed in 5 phases, approximate duration: 1-2 months per phase, weather permitting
- 8 AM - 5 PM, Monday through Friday, Saturdays as needed
- One-lane traffic on parts of Carrollton Parkway
- Flaggers in place to direct traffic
- Access to all driveways maintained
- Traffic cones and signage will be used to help direct traffic. Cones may remain overnight on Carrollton Parkway, as needed.

# MOT Overview Continued

- Parking Restrictions
  - Street parking will be restricted on portions of Carrollton Parkway
  - CWP will provide a minimum of 72-hours' notice for residents to temporarily relocate parked cars

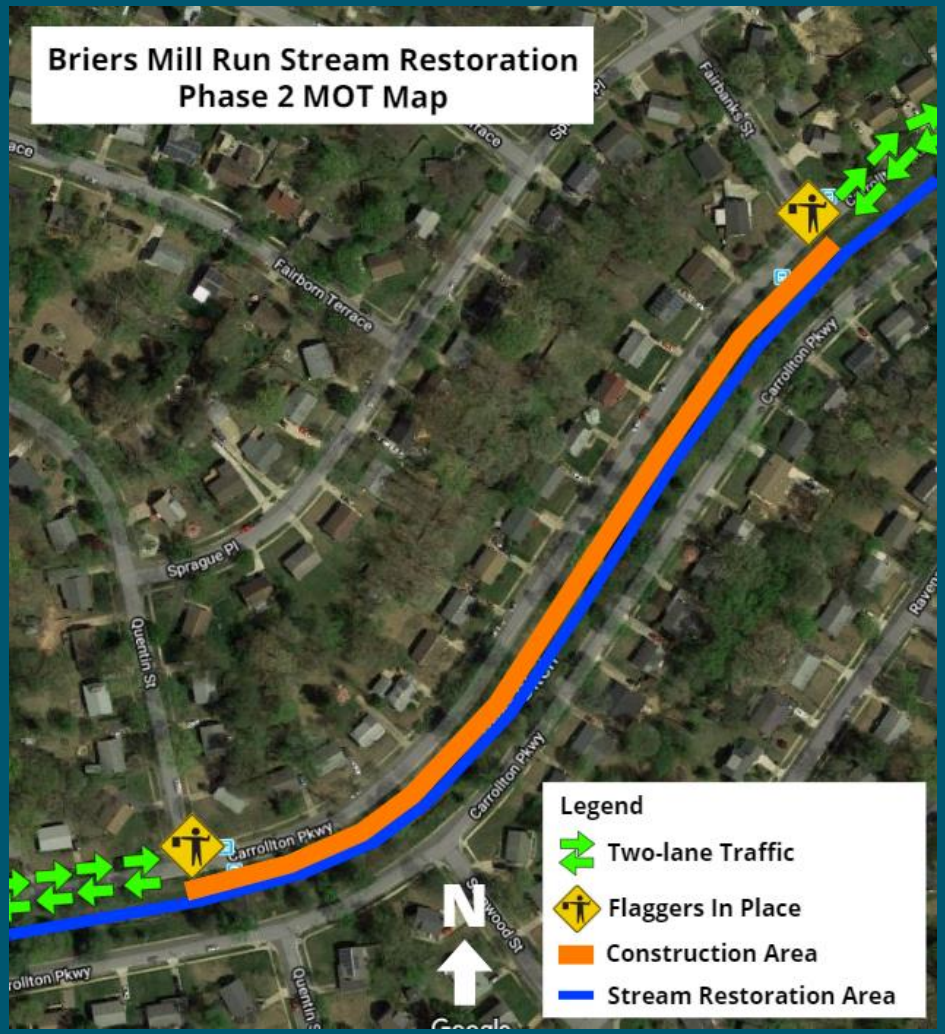
- Bus Stops
  - Access to all **bus routes** will be maintained throughout construction
  - Minimal changes to bus stops
    - Eastbound WMATA T14 Bus stop at Carrollton Parkway & 85th Place will shift across the street to westbound T14 stop
    - Eastbound service available as normal from the Westbound stop
  - Busses must adhere to flagger directions

# Briers Mill Run – MOT Phases Overview

# Briers Mill Run – MOT Phase 1

Carrollton Parkway from 85th Place to Fairbanks St.

# Briers Mill Run – MOT Phase 2




Carrollton Parkway from Fairbanks St. to Quentin St.

# Briers Mill Run – MOT Phase 3

Carrollton Parkway from Quentin St. to Carrollton Ct.

# Briers Mill Run – MOT Phase 4

Carrollton Parkway from Carrollton Ct. to Lamont Dr.

# Briers Mill Run – MOT Phase 5

Carrollton Parkway from Lamont Dr. to Jodie St.

# Design/Construction Schedule Highlights*

- Design completed/permit approvals – March 2020
- Anticipated project start date – September 2020*

*All dates are approximate, weather permitting

# Questions?

# Connect with

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Look for our channel The Clean Water Partnership

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