



# MONTEREY ESTATES DETENTION BASIN RETROFIT

- Overview
- Objectives
- Existing Conditions
- Plan Review
- Examples
- Next Steps



# Overview – Program Drivers

## The Clean Water Act of 1972 ...

“fishable and swimmable waters of the United States”

- **Chesapeake Bay Agreement**
- **Executive Order**
- **State and Federal Standards**
  - Municipal Separate Storm Sewer Permit (MS-4)
    - Easements rights and responsibility to maintain/upgrade
  - Forthcoming Requirements
    - Total Maximum Daily Loads (TMDL)
    - Regulates amounts of pollutants in waterways

# Project Objectives

## Retrofit Stormwater Detention Basin

- Improve water quality
- Identified in the Fairfax County

*Sugarland Run and Horsepen Creek Watershed  
Management Plan*

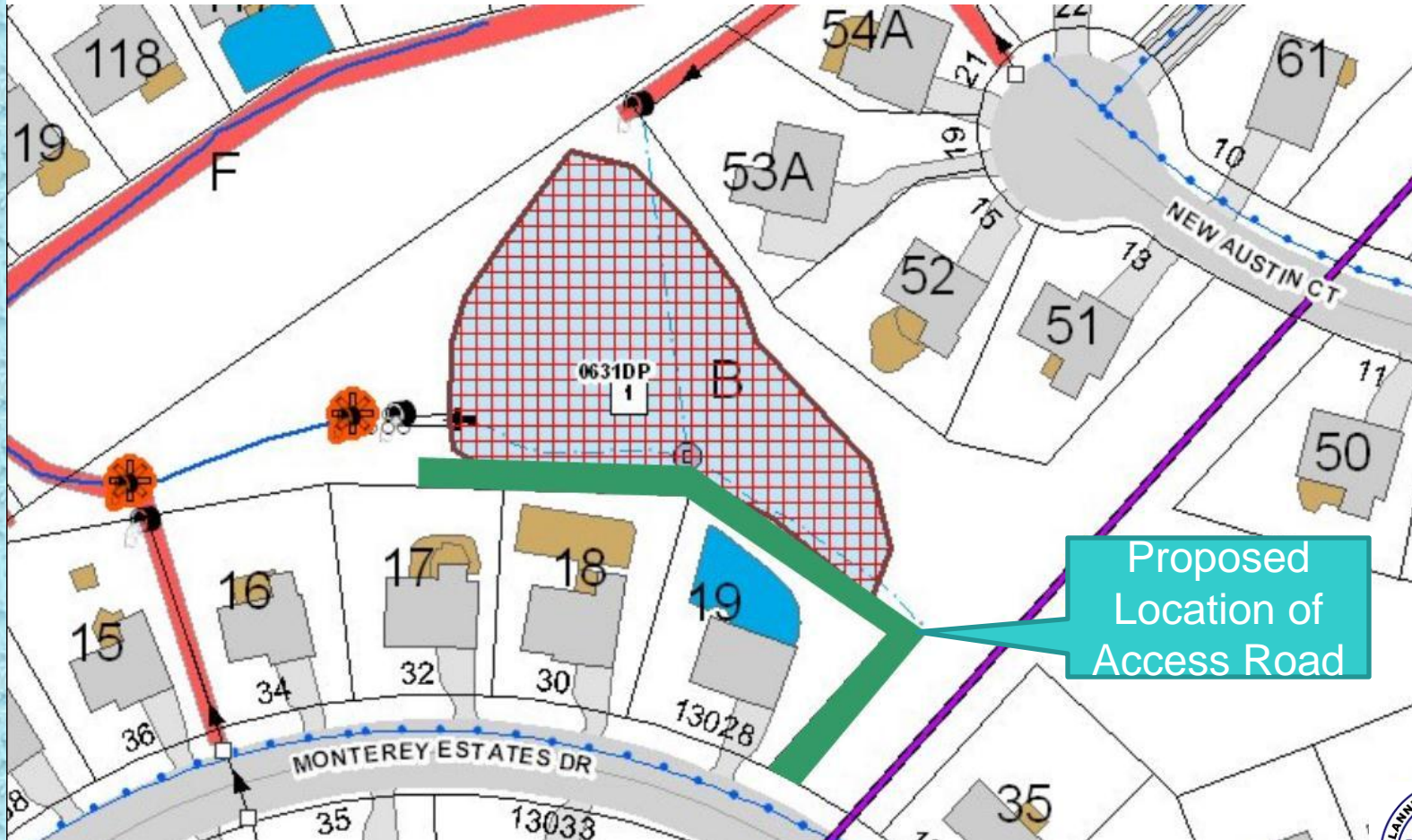
- <http://www.fairfaxcounty.gov/dpwes/watersheds/sugarlandrun.htm>

## Install Permanent Access Road

- Install new driveway entrance to access road



# Proposed Access Road Location



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# Existing Conditions



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# Existing Conditions



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# Existing Conditions



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# Gravel Subbase With Sod on Top



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# Plastic Grid Pavers With Grass in Background



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# Cinnamon Oaks Before Construction



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# Cinnamon Oaks During Construction



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# Cinnamon Oaks

## 1<sup>st</sup> Growing Season



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# Cinnamon Oaks

## 3<sup>rd</sup> Growing Season



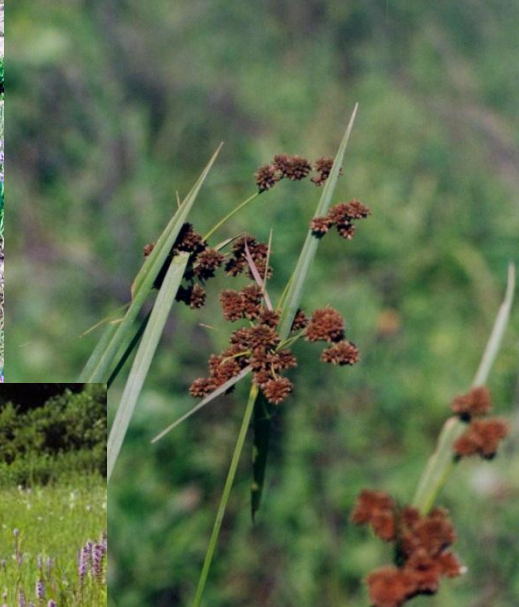
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# Contact Information

Jasdeep Saini – Project Manager  
703-324-5675  
[jasdeep.saini@fairfaxcounty.gov](mailto:jasdeep.saini@fairfaxcounty.gov)

**Fairfax County Stormwater Planning Division**  
703-324-5500 TTY 711  
12000 Government Center Parkway  
Suite 449  
Fairfax, Virginia 22035  
[www.fairfaxcounty.gov/dpwes/stormwater](http://www.fairfaxcounty.gov/dpwes/stormwater)

To request this information in an alternate format  
call 703-324-5500, TTY 711

