



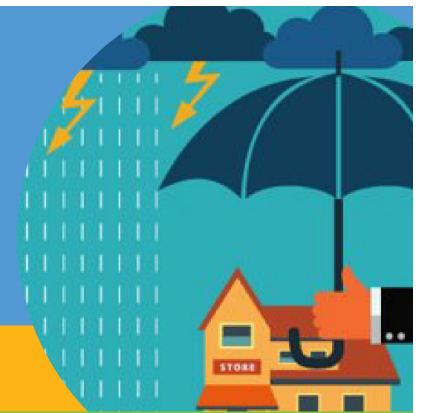
SESSION 2 FLOOD RISK REDUCTION MEASURES

- GREEN INFRASTRUCTURE
- RESIDENTIAL DRAINAGE
- CAPITAL PROJECTS

Be Flood Smart

Flood Education Virtual Sessions

JUNE 6, JUNE 13, JUNE 20, JUNE 27, 2024



DETAILS

DATE

Virtual Thursdays
June 6-27, 2024

12PM-1PM SESSIONS

[Click here to register via Zoom](#)

6 PM SESSION

[Click here to register via Zoom](#)

COST

Free of Charge

The Department of the Environment will host virtual community flood education sessions to give residents the opportunity to interact with staff and partners. This four-session series will run weekly on Thursdays between June 6–June 27. It will focus on the topics of rainfall and stormwater runoff, flood risk reduction, flood insurance and disaster recovery. As we prepare for the start of hurricane season, this flood education series will equip residents with information and resources to: improve understanding of how and where floods occur, share techniques and practical measures for flood risk reduction, and prepare for disaster response and recovery. It will also provide the opportunity to interact with an insurance specialist regarding flood insurance coverage.

SESSION 1	SESSION 2	SESSION 3	SESSION 4
Thursday, June 6 12pm-1pm	Thursday, June 13 12pm-1pm & 6pm-7pm	Thursday, June 20 12pm-1pm	Thursday, June 27 12pm-1pm
Watershed and Flood Basics, Where Flooding Occurs	Flood Risk Reduction Measures – Residential Drainage, Green Infrastructure Practices and CIP Projects	Transfer Your Flood Risk, Purchase Flood Insurance	Disaster Response and Recovery



sustainability division



GREEN INFRASTRUCTURE SOLUTIONS

June 13, 2024

Mary Abe, RLA, Deputy Associate Director,
Natural Resources and Climate Resilience
Programs





HARNESSING NATURE, NOT FIGHTING IT,
WILL BE CRITICAL TO OUR LONG-TERM CLIMATE RESILIENCE
TO WATER AND HEAT RELATED EVENTS

GREEN INFRASTRUCTURE SOLUTIONS



RAIN GARDENS & PERMEABLE PAVING

Use water-tolerant native plants and landscaping to soak up stormwater runoff.

Receive a Rain Check Rebate on qualified rain gardens



NATURALIZATION
GREAT FOR SHADED AREAS
OR ADJACENT WOODLAND
AS TRANSITION OR WHERE
LAWN DOES NOT WORK

DENSELY PLANTED LAYERS
OF NATIVE PLANTS

Trees + shrubs + groundcovers
Absorbs runoff, can create
beautiful transition from a
backyard to woodland or
natural areas.



CONSERVATION LANDSCAPING

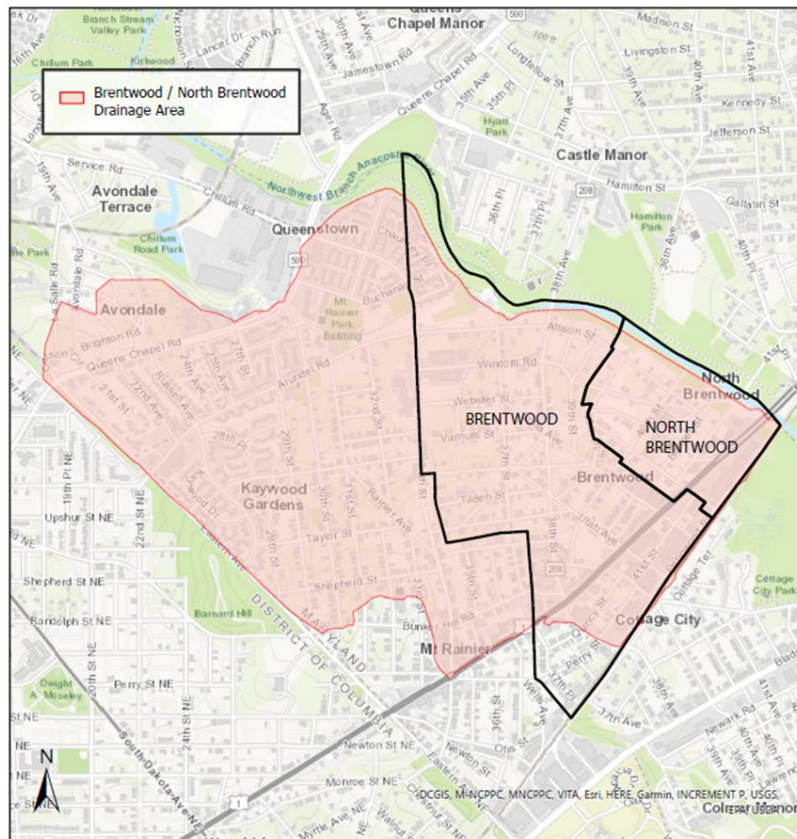
- Conservation landscaping works with nature to create diverse landscapes that: Help manage stormwater runoff, clean air and water, enhance climate resilience, support pollinators and wildlife while providing a healthier and more aesthetically pleasing environment.
- Coming soon - Rain Check Rebate on qualified conservation landscaping



NUISANCE FLOODING BLITZ:

BUILDING COMMUNITY WIDE RESILIENCE THROUGH GREEN INFRASTRUCTURE

WHERE? Brentwood & North Brentwood



Date Prepared: 10/06/2023



We are seeking residents and property owners of the Towns of Brentwood and North Brentwood to participate in a LIMITED TIME pilot project for no cost installations of rain gardens, conservation landscapes, and cisterns.

Funding is provided through the Prince George's County's Stewardship Grant Program. The program is administered by the Chesapeake Bay Trust, managed by the Low Impact Development Center and funded through Prince George's County's Department of the Environment.

CONTACT: info@lidcenter.org



NUISANCE FLOODING BLITZ:

BUILDING COMMUNITY WIDE RESILIENCE THROUGH GREEN INFRASTRUCTURE

Where? Tantallon -Fort Washington



TANTALLON POTOMAC PROTECTORS PILOT



We are seeking residents and property owners of homes within or near Tantallon on the Bay to participate in a LIMITED TIME pilot project for no cost installations of rain gardens, conservation landscapes, and cisterns.

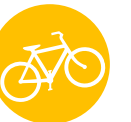
Why?

Build community-wide climate resilience and to address localized flooding by installing practices such as cisterns, rain gardens, conservation landscaping, and pavement removal.

Funding is provided through the Prince George's County's Stewardship Grant Program. The program is administered by the Chesapeake Bay Trust, managed by Alliance for the Bay Center and funded through Prince George's County's Department of the Environment

CONTACT:

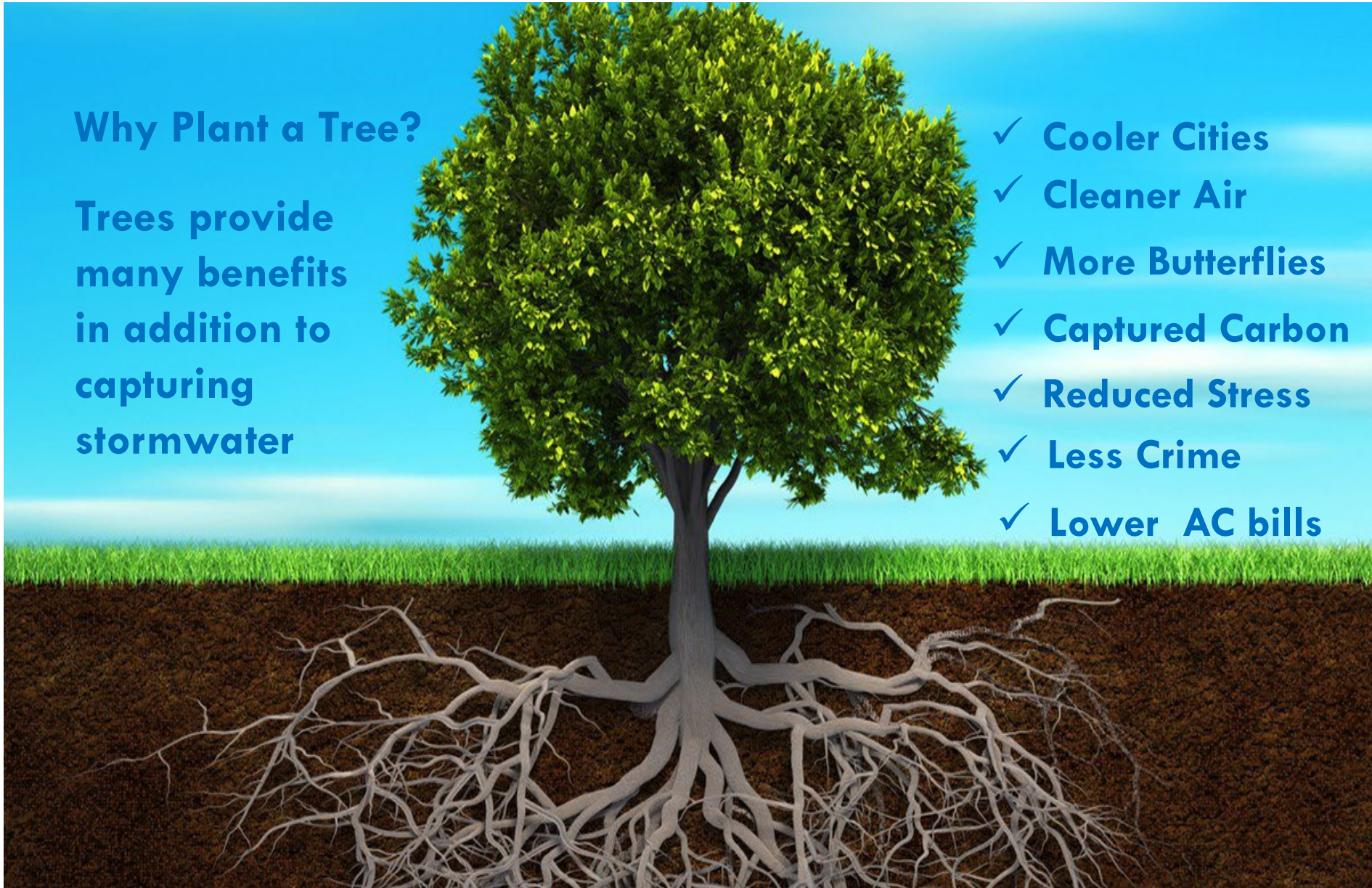
Tantallon@allianceforthebay.org



Why Plant a Tree?

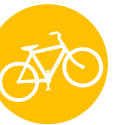
Trees provide many benefits in addition to capturing stormwater

- ✓ Cooler Cities
- ✓ Cleaner Air
- ✓ More Butterflies
- ✓ Captured Carbon
- ✓ Reduced Stress
- ✓ Less Crime
- ✓ Lower AC bills



RESIDENTIAL TREES

- Each mature tree captures 50-100 gallons per storm
- Receive a Rain Check Rebate on qualified residential tree plantings



WATER-LOVING TREES FOR WET YARDS

River Birch



Sweetbay
Magnolia



American
Sycamore



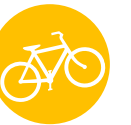
Fringe Tree



COMMUNITY TREES-COOLING GROVES



PLANTING COMMUNITY TREES **NOW** WILL BE CRITICAL FOR COMBATING URBAN HEAT ISLAND IMPACTS AS OUR CLIMATE CONTINUES TO WARM





RESIDENTIAL DRAINAGE

June 13, 2024

Moses Fadiran, Section Head,
Engineering Services, DoE



Residential Drainage

A Homeowner's Guide to Drainage Problems and Solutions



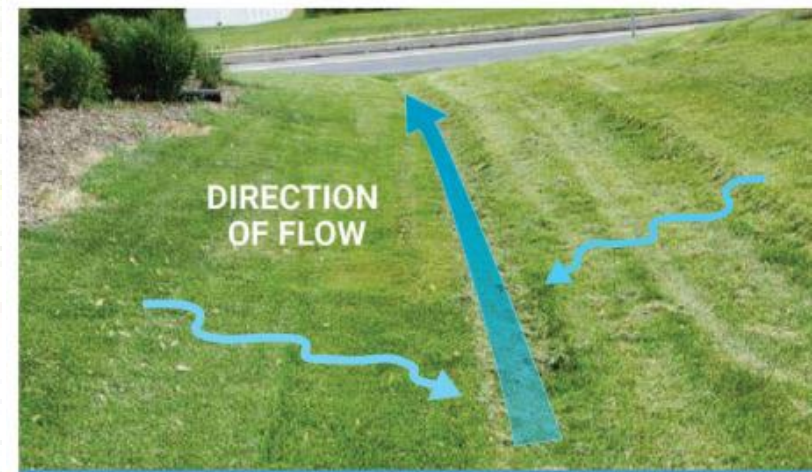
COMMON DRAINAGE PROBLEMS

BASEMENTS		YARDS	
Standing water in basement	Section 2.3.1	Soggy yard / standing water / ponding in yard	Section 4 Appendix C FAQ# 6, 9, 33, and 2
Silty water leaking in through walls	Section 2.3.3	Sinkhole in yard	Appendix C FAQ# 9 and 32
Damp or moldy walls	Section 2.3.3 Appendix C FAQ# 10 and 34	Bare spots in yard	Appendix C FAQ# 5
Water entering basement	Sections 2.3.2, 2.3.3, 2.3.4, and 2.3.5 Appendix C FAQ# 7, 11, and 12	OTHER AREAS	
YARD AND DRAINAGE SYSTEMS		Stream overflows onto property	Sections 6.1 and 6.4 Appendix C FAQ# 1 and 2
Sump pump not working properly or continuously running	Section 3.4 Appendix C FAQ# 14	Stream bank eroding away	Section 6.4 Appendix E
Areaway drain clogged/backing up	Section 4.1 Appendix C FAQ# 11 and 15	Storm drain culvert is clogged	Appendix E FAQ# 16
Water backing up through pipe	Section 2.3.5 and 4 Appendix C	Mosquitoes	Section 4.5 Appendix C FAQ# 37
Septic system problems	Section 7	How do I look for water problems when buying a home?	Section 8 Appendix C FAQ# 34, 3, 31, and 24
Neighbor's drainage is flooding your yard	Sections 4 and 5 Appendix C FAQ# 17, 18, 19, 20, 21, 22, and 23	Water spots on ceiling	Appendix C



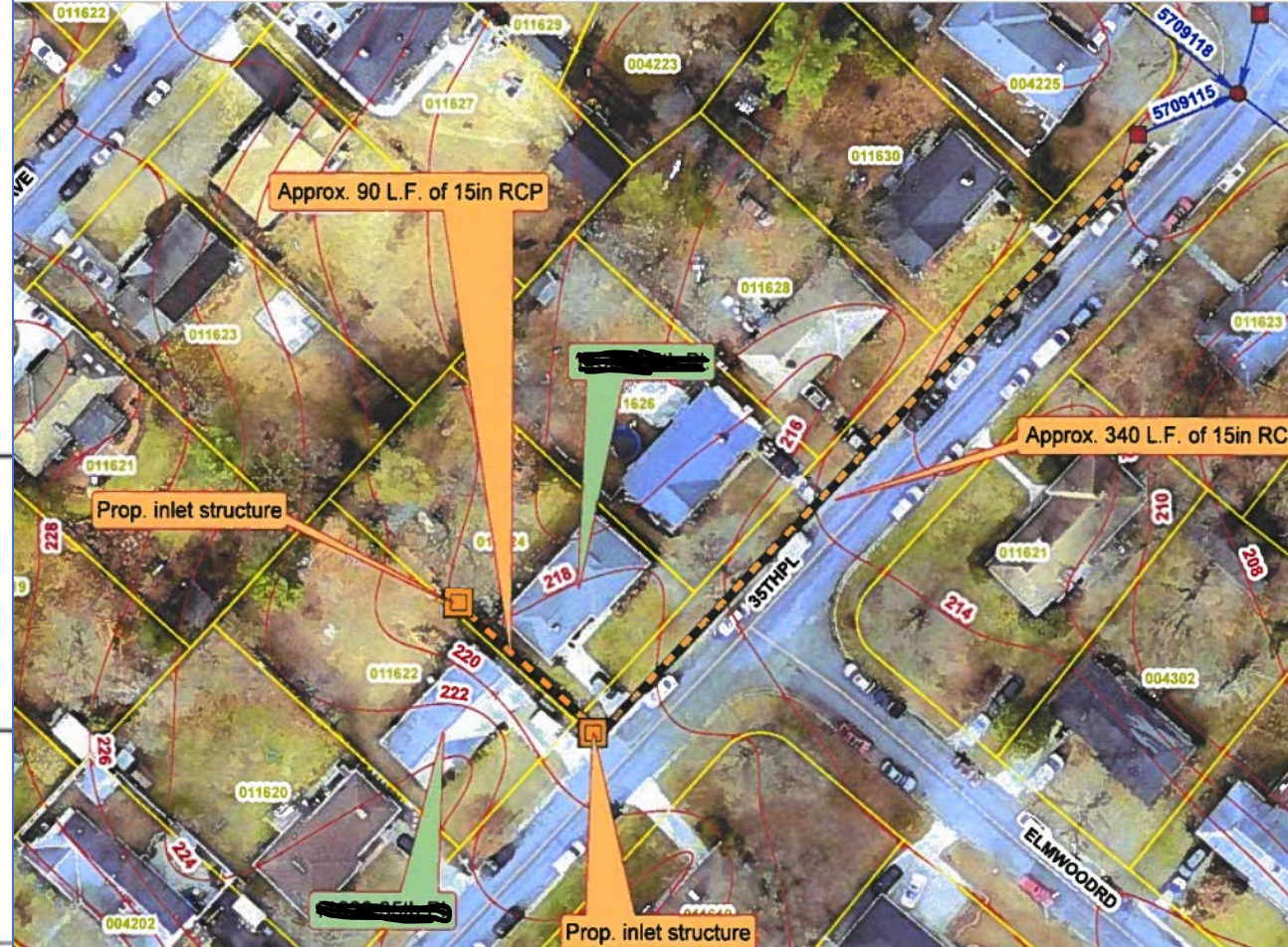
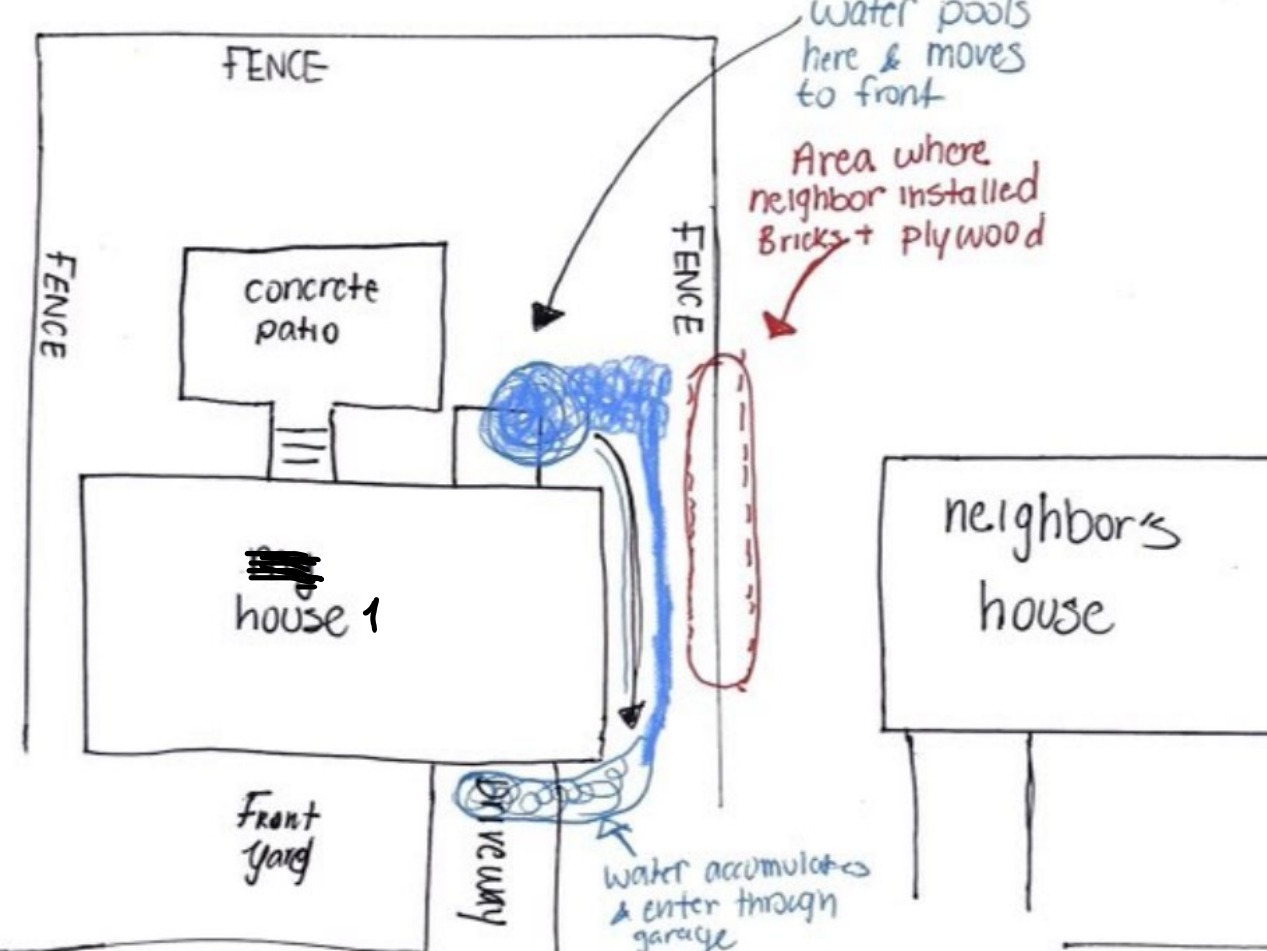
YARD FLOODING

WHAT MEASURES TO CURE?



BASEMENTS		YARDS	
Standing water in basement	Section 2.3.1	Soggy yard / standing water / ponding in yard	Section 4 Appendix C FAQ# 6, 9, 33, and 2
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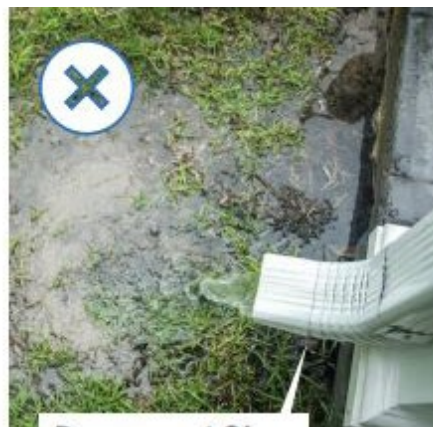
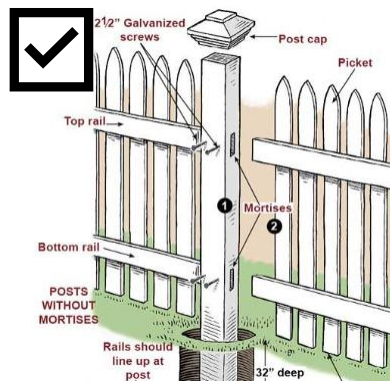


HOME FLOODING

DRAINAGE IMPROVEMENT PROJECTS FOR QUALIFYING RESIDENTIAL STRUCTURE FLOODING



COMMON MISTAKES TO AVOID



CALL OR CLICK FOR HELP WITH FLOODING



PGC
3 1 1

Together
we are building
something great!

  **prince george's county**
Office of Community Relations
connecting people, connecting resources

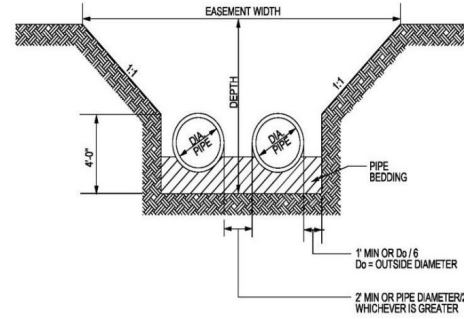
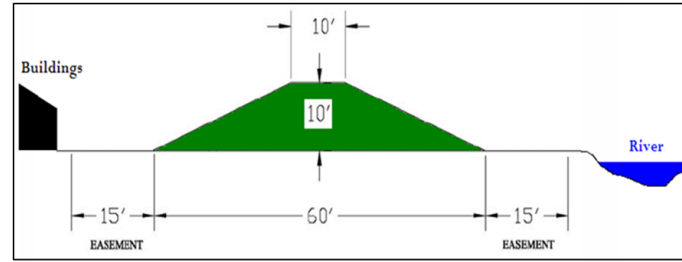
Residential
Drainage Relief



CAPITAL PROJECTS FOR FLOOD MITIGATION

June 13, 2024
Dawn Hawkins-Nixon
Associate Director
Sustainability Division





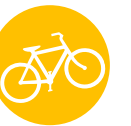
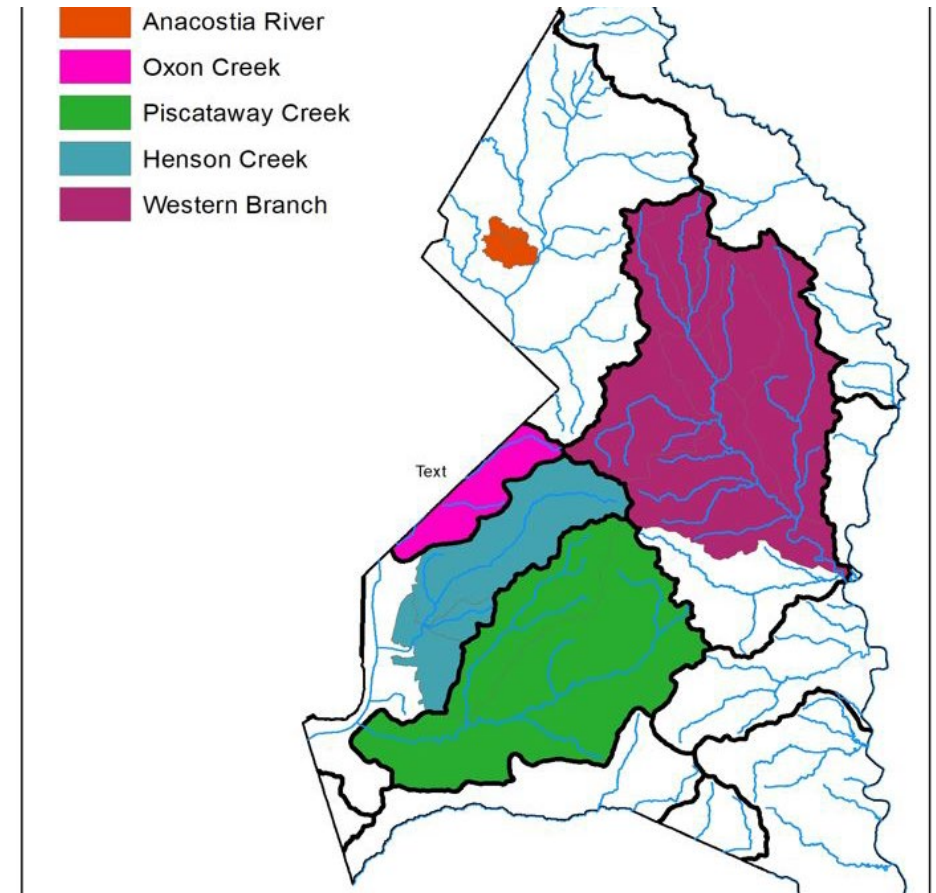
FLOOD REDUCTION MEASURES



SUSTAINABILITY DIVISION FLOOD MITIGATION INITIATIVE

WATERSHED LEVEL FLOOD HAZARD ASSESSMENT AND MITIGATION STUDIES

- PISCATAWAY CREEK
- WESTERN BRANCH
- OXON RUN
- HENSON CREEK
- GUILFORD RUN
- WELLS RUN

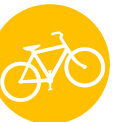




REACH OUT

- Use PGC311 to inform the County of nuisance flooding or other concerns
- Use the PGC311 Mobile App or Web Portal
- To speak to a Live Agent between 7 am -7 pm, Monday - Friday, call 3-1-1 or dial 301-883-4748 if outside of the County
- Provide as much detail as possible including date of flooding and upload photos if available
- Connect with us via email at doecares@co.pg.md.us or via phone at – 301-883-5810

**For life threatening emergencies,
please call 911**

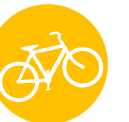




QUESTIONS

We are also interested in your feedback
Please use the chat feature to tell us-

- What prompted you to join us this afternoon?
- What other topics would you like us to cover?





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NEXT SESSION

SESSION 3: TRANSFER YOUR FLOOD RISK, PURCHASE FLOOD INSURANCE

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