Anne Arundel County Workshop

Watershed Restoration Grant Program

We will get started momentarily. Please review the below webinar information in the meantime.

Audio	Join by computer audio automatically. *Recommended* OR Join by phone: Use this option if you do not have access to a computer or if your computer lacks an internal microphone. a. Call 301-715-8592 b. Enter meeting ID: **825 9985 0656** c. Enter your Participant ID (only available if you join through the Zoom meeting link) d. Enter password: **396590**
Tech Help	• Kathy Somoza-Garcia is our Zoom host and will be assisting with breakout room assignments and technical issues. She can be reached at (410) 974-2941 ext 120 or ksomoza@cbtrust.org
Quick Notes	• Please remain muted to reduce background noise and presentation interruptions. • Rename your Zoom name if it does not match your name in the RSVP Form

Virtual Informational Workshop

for the

Anne Arundel County Watershed Protection and Restoration Grant Program

Bureau of Watershed Protection & Restoration,
City of Annapolis,
and
The Chesapeake Bay Trust

Anne Arundel County
Bureau of Watershed
Protection
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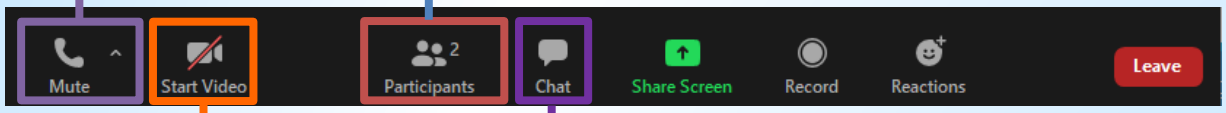
Tips for Using Zoom

Note: This meeting is being recorded so that we can provide the video to those that were unable to join the workshop.

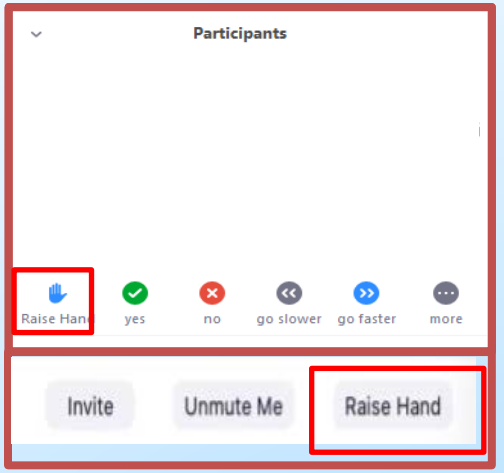
Mute / Unmute
Mute and unmute your microphone and change your audio connection.

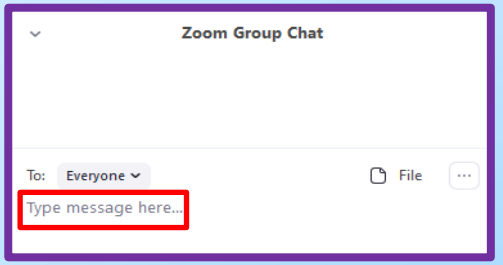
Participants
See who's currently in the meeting and raise your hand.



Start Video / Stop Video
Turn your camera on or off.

Chat
Access the chat window to ask a question or make a comment.





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Statement from the Trust

Agenda

- Informational Presentation (5:30 to 6:30 pm):
  - About the Chesapeake Bay Trust
  - Partner Introductions
  - Program Overview and Goals
  - Thinking through the Request for Proposal (RFP)
  - Application Requirements and Technical Information
  - Project Categories and General Costs
  - Other Important Information
  - Application Review and Checklist
  - Program Schedule
  - Example Projects
  - Questions

- Breakout Rooms (6:30 to 7:00 pm)
  - Room #1 - Chesapeake Bay Trust,
  - Room #2 - Anne Arundel County, and
  - Room #3 - City of Annapolis

GOAL = leave workshop with the tools you need to submit a competitive application

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About the Chesapeake Bay Trust

- The Chesapeake Bay Trust is a nonprofit, grant-making organization.
- The **MISSION** of the Chesapeake Bay Trust is to engage and empower diverse groups to take actions that enrich natural resources and local communities of the Chesapeake Bay region.
- Our **VISION** is that the Chesapeake Bay and local watersheds are healthy and safe, our waters are fishable and swimmable, local communities benefit from these healthy resources, and everyone participates in restoring and protecting our natural resources
- Our **GOAL** is simple: we believe that getting residents involved is key to restoring the Chesapeake Bay
- We partner with Anne Arundel County and the City of Annapolis to administer projects

In addition to partner funding sources, our Bay Plate sales also fund Grant Programs

Anne Arundel County Bureau of Watershed Protection & Restoration

- ✓ Watershed Protection and Restoration Fund

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- ✓ Watershed Restoration Fund

Introductions

Trust and Partner Introductions:

- Chesapeake Bay Trust
- Anne Arundel County
- City of Annapolis

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Program Overview

Anne Arundel County Watershed Protection and Restoration Grant Program:

- This program aims to improve water quality in County and City streams and waterways
- This year, City of Annapolis projects will be accepted!
- Goal is to fund cost-effective stormwater treatment projects for the County/City to use as Credits
- Provides long-term protection of projects
- Funds large (and small) restoration projects
- Community Engagement and Demonstration Value is important for all projects
- ***New Track:*** Acquisition of Non-tidal Floodprone/Natural Resource Rich Properties

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Goals of this Grant Program

- Fund projects to reduce pollutants through the *implementation* of watershed restoration practices (**implementation = construction)**
- Complete on-the-ground restoration that treats rainwater runoff from impervious surfaces or demonstrates meeting local water quality and runoff reduction improvement goals.
- Applicants need to provide technical designs and project budgets with the project narrative.

Sound designs and cost-efficient projects will be the most competitive

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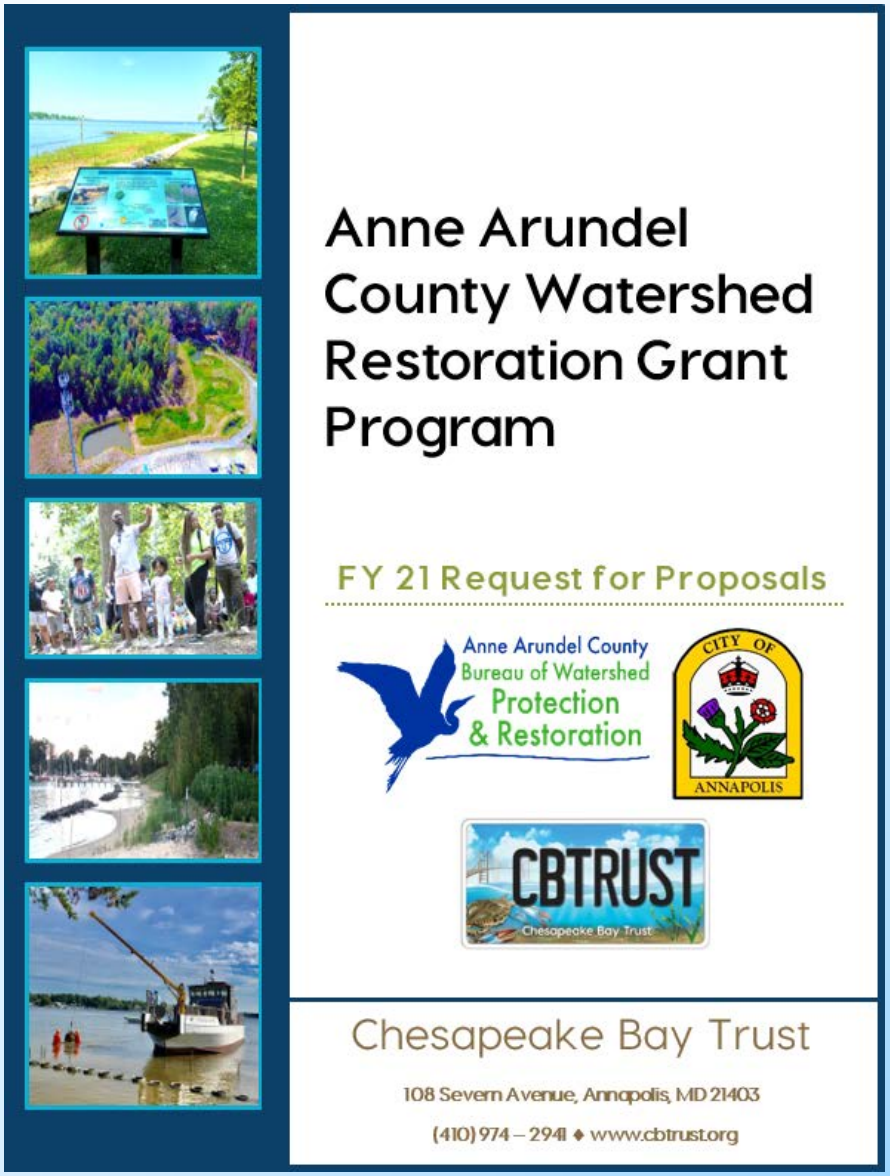
Thinking through the RFP

This grant program funds a variety of restoration projects, including:

- Bioretention cells, bioswales, rain gardens
- Low impact development stormwater practices
- Stormwater wetland and marsh creation and enhancement
- Stream and wetland restoration,
- Regenerative stormwater conveyance systems
- Living shorelines (with significant habitat enhancement)
- Green roofs

Read the full RFP in detail on our website:
https://cbtrust.org/grants/anne-arundel-county-watershed-restoration/



Thinking through the RFP

Who Is Eligible? We welcome requests from 501(c) non-profit organizations, such as:

- Local Watershed Groups
- Community and Homeowner Associations
- Service, Youth, and Civic Groups
- Faith-based Organizations
- Not a non-profit? Collaborate with a non-profit partner!

What Project Locations are Eligible?

- Projects located in Anne Arundel County and in City of Annapolis
- Projects on non-profit property, private property, or public school properties, with assurance that the landowner is in support of the project.

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Application Requirements

- Project Narrative (5 pages or less)
- Project Budget (Financial Management Spreadsheet)
- Commitment from the Landowner:
  - Signed Letter of Commitment from landowner and their *willingness to execute the MOU* (required with app)
  - Memorandum of Understanding (MOU) to be executed with property owner(s) for long-term maintenance of the project (not needed for app)
- Maintenance plan
- Best Management Project (BMP) Worksheet (Appendix B).
- **Other Technical information** - additional attachments can be uploaded (design plans, permits, etc.)

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Technical Information

- Design Requirements for Projects (Appendix A):
  - Site map, proposed design, and photos
  - Project boundary and drainage area map (% impervious)
  - Water quality volumes for **EACH** BMP
  - Planting plan
  - Living Shorelines or Stream Restoration data form (if applicable)
  - Other requirements, dependent upon size/volume of disturbance
- Pre-Application Site Visit Worksheet (Appendix B):
  - Pre-Application BMP worksheet is required at the site visit
  - If you did not submit the BMP worksheet at the site meeting, you must submit it in your application
  - Include permit status, drainage area data tables for each BMP landowner willingness to sign MOU
  - Phasing possibilities

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Appendix A - Project Categories

Category 1 Project Types: Small-scale Restoration Projects

- Bioretention and rain garden projects that have a **disturbance footprint less than 5,000 square feet** or disturb less than 100 cubic yards of earth

Category 2 Project Types: Complex Restoration Projects

- Bioretention and rain garden projects that have a **disturbance footprint more than 5,000 square feet,** disturb more than 100 cubic yards of earth
- Wetland and marsh enhancement/restoration/creation projects
- Coastal plain outfall, step pool storm conveyance systems, or floodplain restoration
- Stormwater retrofit projects (conversions and structural changes)
- Bank/slope stabilization projects
- Stream restoration projects
- Living shorelines OR Green roofs

Category 3 Project Types: Non-Tidal Flood Prone / Natural Resource Acquisition Projects

- Parcels whose preservation can assist the County (City parcels excluded) in meeting its environmental regulatory goals and help mitigate flood risk

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Appendix B: 2020-2021 Anne Arundel County Watershed Restoration Grant Program
Pre-Application BMP Worksheet

A site visit and project team meeting must be held prior to applying. It is strongly recommended that the project applicant organization, landowner, project designer, and any other relevant project partners attend the meeting and complete the meeting by February 12, 2021. This Worksheet should be filled out for County or City projects and be presented to the Trust at the project site visit.

1. What type(s) of project(s) are you planning?

Bioretention Cell/Rain Gardens	
Stormwater Wetland	
Stream Restoration	
Step Pool Conveyance System (SPSC)	
Living Shoreline	
Green Roof	
Other	

2. If *Other*, provide additional detail:

3. What category of project(s) are you planning?

Category 1 (Bioretention and rain garden projects, in which surface water is not collected by, or distributed to, adjacent properties that have a disturbance footprint less than 5,000 square feet or disturb less than 100 cubic yards of earth)	
Category 2 (all other projects involving a disturbance footprint greater than 5,000 square feet or disturb greater than 100 cubic yards of earth)	

4. Have you and/or your technical assistance provider read Appendix B of the application package?
Yes ___ No ___

5. Could the project be designed to be implemented in distinct phases?
Yes ___ No ___

6. Who owns the land on which the project will be located?

7. Is the landowner/Are the landowner(s) willing to sign a Memorandum of Understanding (MOU) with the County as outlined in Section VI of the application package?
Yes ___ No ___

8. How developed are your design plans?

30% complete	
60% complete	
90% complete	
100% complete	
Other	

9. If *Other* for design plans, provide additional detail:

10. Have you met with any County entities regarding permitting?
Yes ___ No ___

11. Provide additional detail regarding permit status:

12. Will you be able to provide GIS shape files of your design?
Yes ___ No ___

13. List relevant or potential partnerships for this project:

14. A completed drainage area data table for each standard Best Management Practice (BMP) with exception of Living Shoreline and Stream Restoration practices. Copy and paste the blank data table below if necessary, to create separate tables for each BMP.

MDE Classification of Practice (ESD, Runoff Reduction, Structural, or Alternative)	
Total Drainage Area to BMP (in acres):	
Impervious Area draining to BMP (in acres):	
Total Forested Coverage within Drainage Area (in acres):	
Total Open Space (permeable surface) within Drainage Area (in acres):	
Water Quality Volume Captured by BMP (in acre feet):	
Surface Area of BMP (in square feet):	
Rainfall Treated (Pe) by BMP (in inches):	

Appendix B is required

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General Cost Parameters

- The cost effectiveness of the water quality benefit of your proposed feature is measured in cost ($) per impervious acre treated AND $ per pound of nitrogen/$ per pound of phosphorus /and $ per ton of total suspended solids removed per year
  - In general, the most competitive projects will cost less than $70,000 per impervious acre treated.
- Applications must provide calculations of nutrient and sediment loads reduced by the project using a nutrient calculator compatible with Maryland Department of the Environment (FieldDoc).
- General cost ranges of Living Shorelines by linear foot, although each project is different and matching funds generally make projects more competitive:
  - <$250ish per linear foot for low energy sites (<1 mile fetch)
  - $250-500 per linear foot for medium energy sites (1-5 miles fetch)
  - Can be more per linear foot for high energy sites; most competitive with matching funds

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Other Important Information

- Anne Arundel County and City of Annapolis will require a permanent Memorandum of Understanding (MOU) which will assure long-term protection of the project.
- Living shoreline project landowners must execute a MOU that includes a private maintenance agreement between the landowners and the County or City.
- The Trust strongly recommends that applicants get at least three competitive bids, estimates, or quotes.
- Review Project Site Constraints (underground utilities?)
- Choose partnerships wisely
- Providing matching funds, if possible

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Application Review and Checklist

- ❑ Is your project type listed in the application package? (pg 2)
- ❑ Have you reviewed the Evaluation Criteria? (pg 5)

  Reviewers score applications based upon these criteria
- ❑ Have you addressed the narrative questions? (pg 8)
- ❑ Have you finalized and uploaded your project budget? (pg 10)
- ❑ Do you have a letter of commitment from your landowner?
- ❑ Did you submit a maintenance plan?
- ❑ Have you included any applicable partners?
- ❑ Can you provide the technical information requested listed in Appendix A? (pg 15)
- ❑ Did you fill out Appendix B - Pre-application worksheet? (pg 20)
- ❑ Submit online (and early!)

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Program Schedule

Important dates:

- Pre-Application Site Visit:
  - Schedule a site visit to day
  - Complete by Friday, February 12, 2021
- Application Due Date:
  - **Thursday, March 4, 2021 at 4pm EST**

Example Project – Ulmstead Club Park

Rain Gardens/Bioretention

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Example Project – West Severna Park

Living Shoreline

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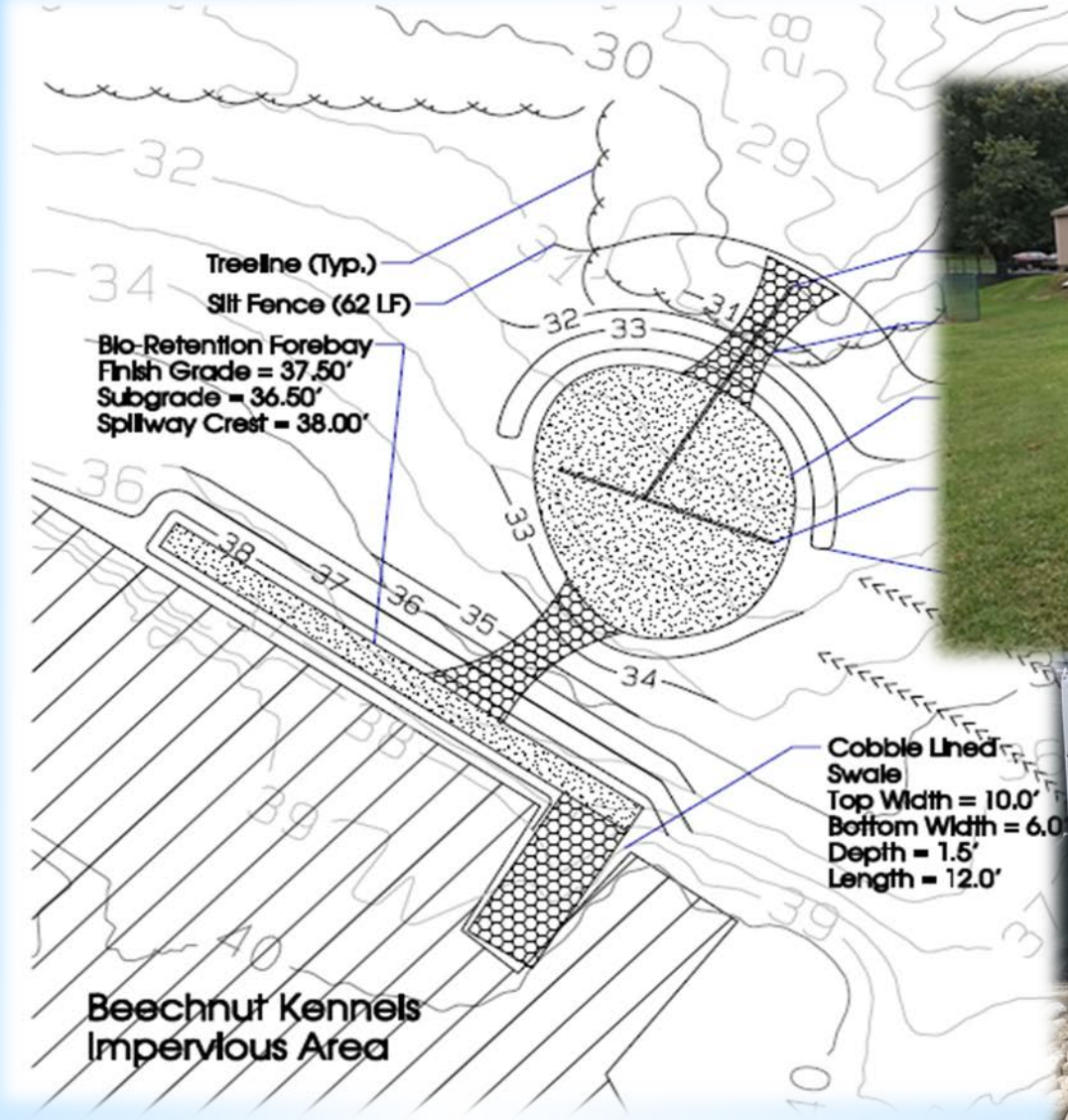
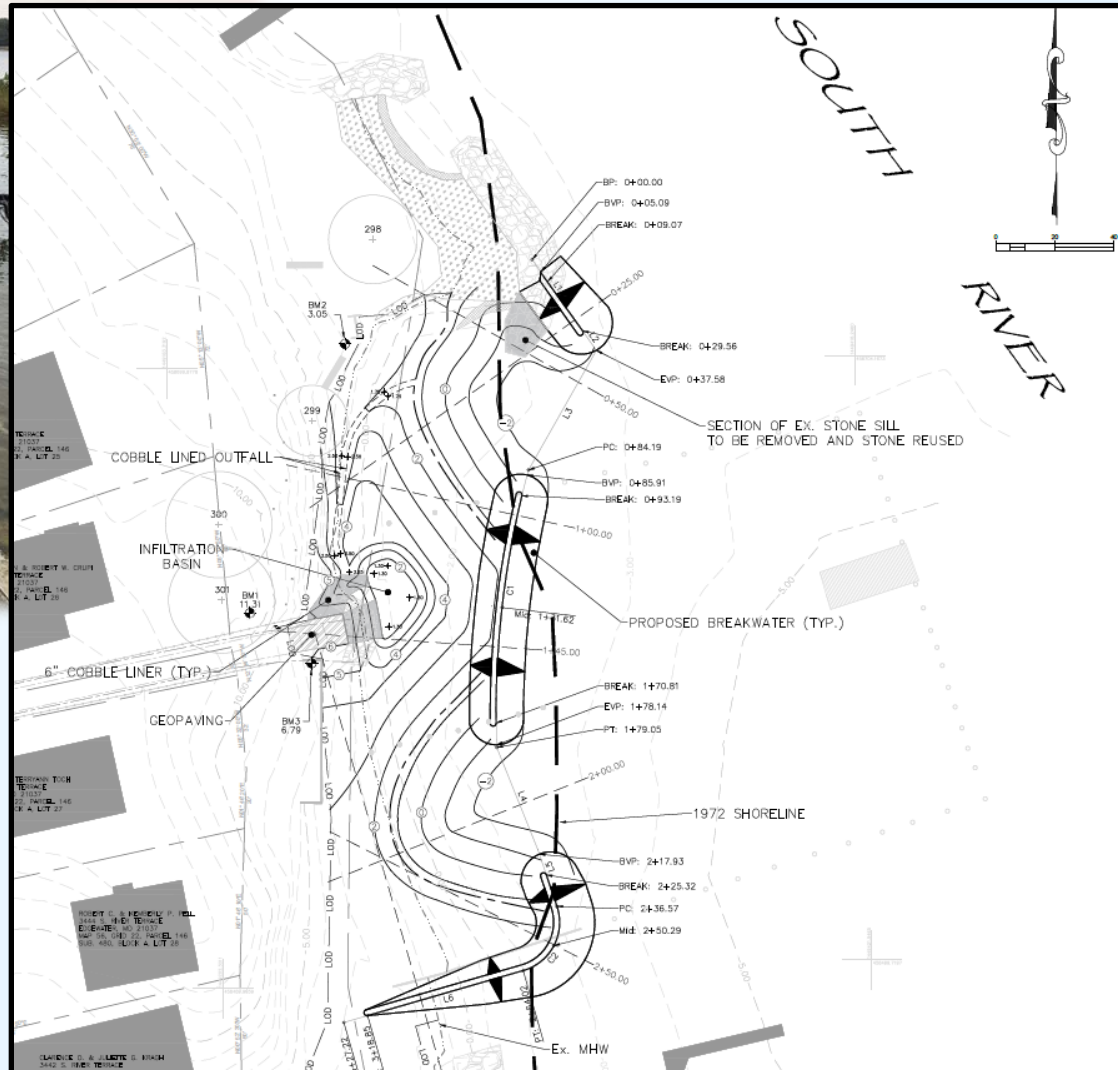
Example Project – Beechnut Kennels



Bioretention

Example Project – Loch Haven Civic Association

Living Shoreline



Questions and Breakout Rooms
6:30pm to 7:00 pm

- Room #1: Chesapeake Bay Trust General Questions, KATHY SOMOZA-GARCIA
  - I need portal help and questions about submitting!
- Room #2: Anne Arundel County Questions, SALLY ALBRIGHT
  - I have a project in the County, or I am an organization in the County
- Room #3: City of Annapolis Questions, BETSEY MCKEOWN
  - I have a project in the City or I am an organization in the City
- Room #4: Chesapeake Bay Trust Networking Opportunities, SARAH KOSER
  - I have a project idea, but need a non-profit partner
  - I want to design a project, but need a willing landowner
  - I want a project on my community space, but need a designer or a non-profit sponsor

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Resources

- MDE Stormwater Design Manual: http://mde.maryland.gov/programs/water/StormwaterManagementProgram/Pages/stormwater_design.aspx
- Anne Arundel County Stormwater Management Design Guidance: http://www.aacounty.org/departments/public-works/wprp/watershed-resources/AACO%20DPW%20Design%20Manual%20Chapter%2006.pdf)
- City of Annapolis Stormwater Management Inventory and Watershed Improvement Plan: https://www.annapolis.gov/DocumentCenter/View/983/Watershed-Improvement-Plan-Final-PDF
- *Accounting for Stormwater Wasteload Allocations and Impervious Acres Treated - Guidance for National Pollutant Discharge Elimination System Stormwater Permits* (Maryland Department of the Environment, June 2020): https://cbtrust.org/wp-content/uploads/2020-MS4-Accounting-Guidance-Document-EPA-June_2020-1.pdf
- Anne Arundel County Online GIS Mapper: http://gis-world3.aacounty.org/HTML5Viewer/index.html?viewer=WPRP
- City of Annapolis Maps & GIS: https://www.annapolis.gov/243/Maps-GIS
- Current rates of erosion using Maryland's Coastal Atlas: https://gisapps.dnr.state.md.us/coastalatlas/WAB2/
- Generally, for projects that are less than 5,000 sq. ft, a standard grading plan can be used which is simpler than the grading permit application. This link shows other criteria that require a grading permit instead of a standard grading plan: https://www.aacounty.org/departments/inspections-and-permits/permit-center/IP_Permits/Grading-Permit and at https://www.annapolis.gov/DocumentCenter/View/3329/Grading-Permit-Application-PDF