

# Anne Arundel County DPW & YOU

— Making a difference, together —

## Jug Bay Environmental Education Center

Anne Arundel County Capital Project No. P584501



Virtual Meeting – Tuesday, November 29, 2022 - 6pm



DPWandYOU.com | *Making a difference, together*



# Important Meeting Information

- Tonight's meeting will be audio and video recorded
  - You will only hear the voices of the presenters
- If you have questions, please utilize the Q&A function at the bottom/top of your device screen
  - All questions will be answered at the end of this presentation
  - Any questions that cannot be answered tonight will be taken back and added to the question and answer document that will be mailed approximately 1 month from tonight's meeting
- Additional questions, up to 14 days beyond tonight's meeting, may be submitted through the Office of Planning and Zoning website  
<https://www.aacounty.org/departments/planning-and-zoning/development/community-meetings/past-meetings-comments/>



# Meeting Agenda

- Welcome and Introductions
- Key Project Information
- Schematic Design
- Next Steps
- Questions



# Project Team

- Department of Public Works
- Department of Recreation & Parks
- Design Team
  - WBCM



# Context

## Why the community meeting is being held

- These meetings are held by the County to inform the public about projects in their community and to provide residents with the opportunity to submit comments and questions.
- §17-2-107 of the County Code.
- (a)(1)(i) a modification to permit direct impact to environmentally sensitive areas.



# Key Project Information – General Info.

**Project Name:**

Jug Bay Environmental Education Center

**Address:**

6032 Pindell Rd. Lothian, MD 20711-0000

**Grading Permits:**

Have not been applied for

**Zoning:**

RA Rural Agricultural

**Water and Sewer Type:**

Existing: Existing wells and private septic

Proposed: Well water and private septic

**Impacted Schools:**

None

**No changes to number of lots.**



# Key Project Information – Land Use

## Existing Use:

Emory Waters Nature Preserve of the Jug Bay Wetlands Sanctuary

## Proposed Use:

Expansion of park amenities that include an education and research center and associated amenities in the Emory Waters Nature Preserve of the Jug Bay Wetlands Sanctuary.



# Project Location





# Key Project Information - Environmental

## **Existing Environmental Features On-Site:**

Existing steep slopes and Existing Forest.

## **Impacts of Proposed Development on Environmental Features:**

Potential forest / specimen tree removal.

## **Conceptual Stormwater Management:**

On-site proposed facilities. Will be highlighted later in the presentation.

## **Forest Conservation:**

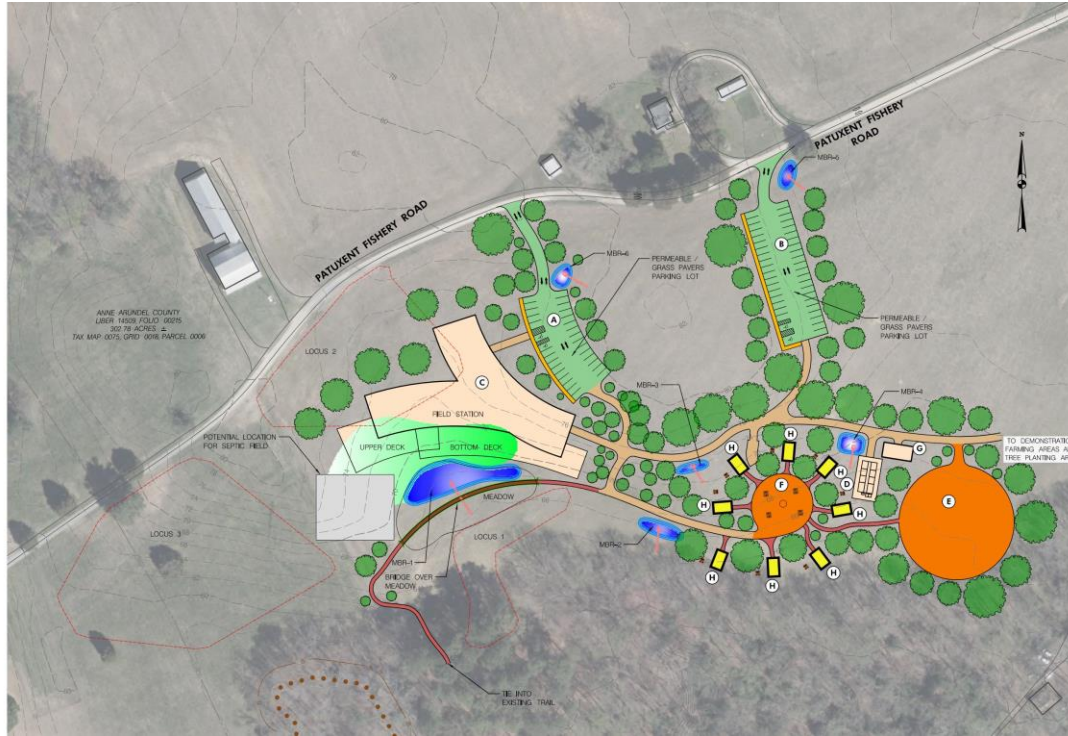
Will comply with current regulations per Anne Arundel County Bill 68-19.

## **Approximate Road Configuration:**

Vehicular Access through entrance off Patuxent Fishery Road.



# Master Plan



# Potential Modifications Required

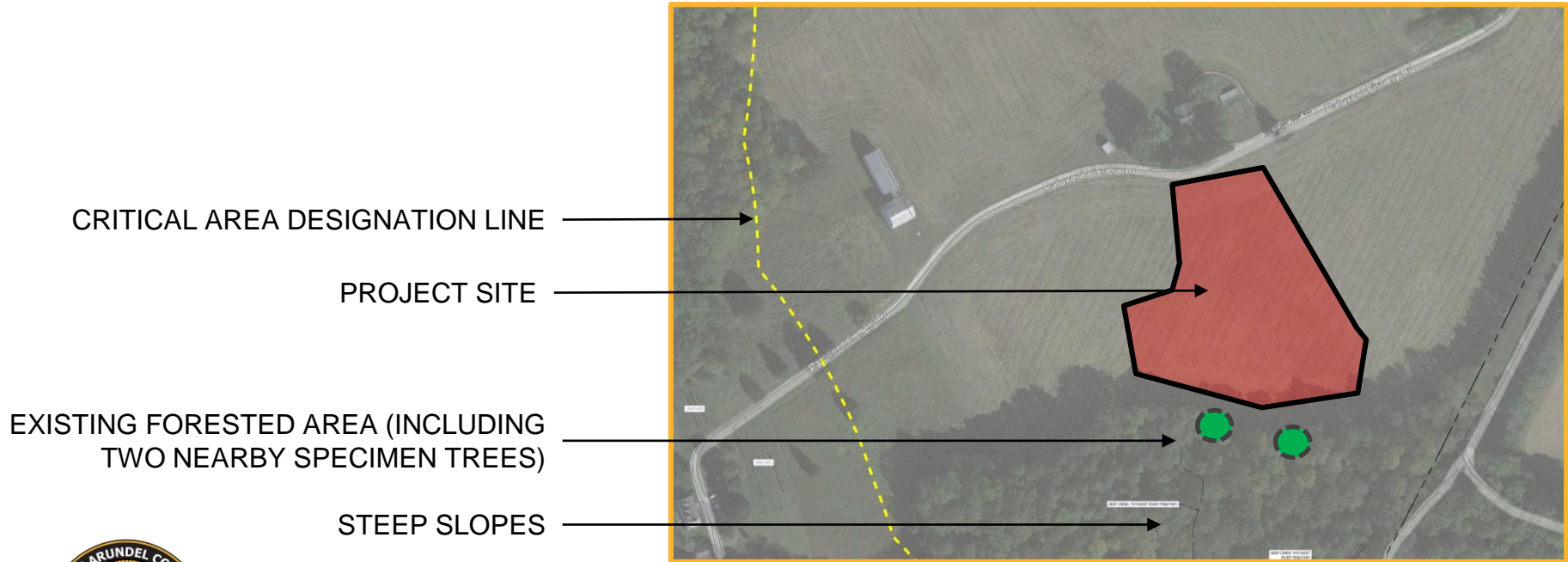
## Forest Conservation / Specimen Trees (>30" DBH)

(Anne Arundel County Code: 17-6-303(b)(5))

The following vegetation areas are considered priority retention areas and shall be left undisturbed unless the developer demonstrates that reasonable efforts have been made to protect the vegetation and the proposed work cannot reasonably be altered. A specimen tree is a tree that has a diameter measured at 4.5 feet above the ground of 30 inches or more, or that is 75% or more of the diameter of the current state champion tree of that species.






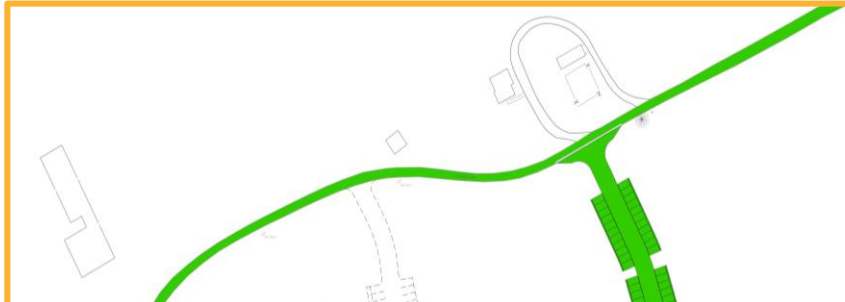




# General Site Environmental Features

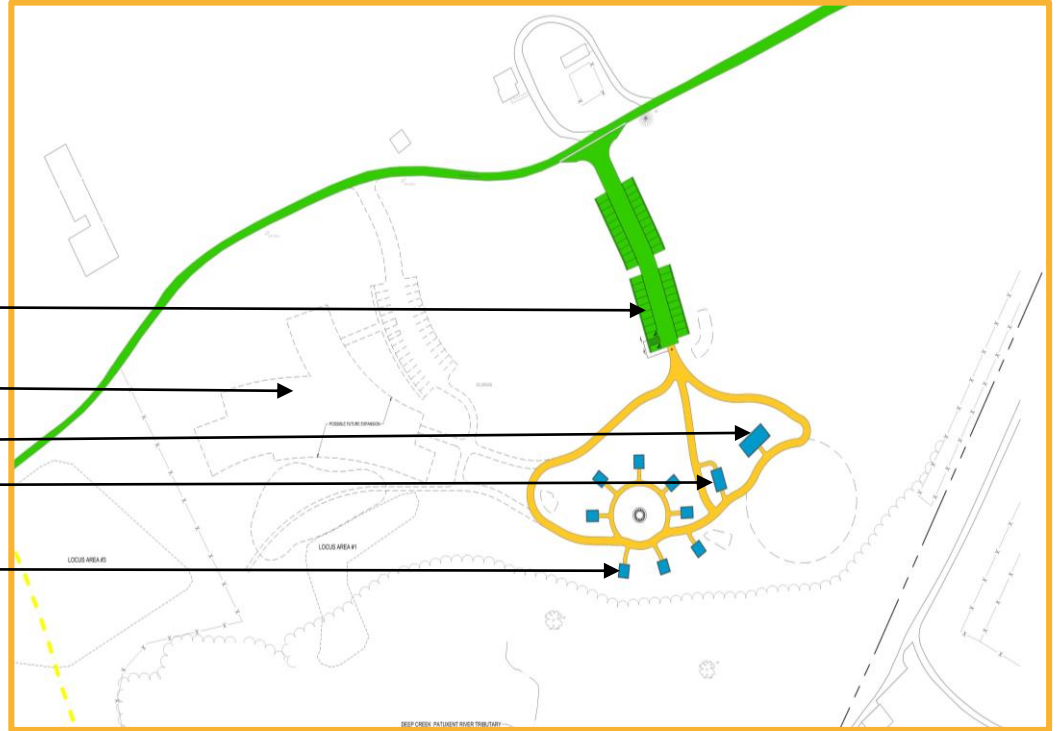


# Site Elements

## LEGEND


-  VEHICULAR ACCESS
-  MAINTENANCE & PEDESTRIAN ACCESS
-  PROPOSED STRUCTURE

-  SURFACE PARKING LOT  
PROPOSED PARKING –  
42 VEHICLES (2 ADA SPACES)
-  POSSIBLE FUTURE EXPANSION AREA
-  PAVILION
-  BATHHOUSE
-  MULTI-UNIT CABIN (8 TYPICAL)



# Stormwater Management

- Environmental Site Design (ESDv)
- Design will comply with County regulations for water quality (ESDv) and water quantity (10-yr)
- On-site conveyance storm drain system.
- Appropriate buildings/site features will be treated by SWM Facilities.

 ESD micro-bioretenention facility



# Next Steps

## **Design Development Phase:**

Completed Fall 2022

## **Construction Documents & Permits:**

Winter 2022 - Spring 2023

## **Bidding:**

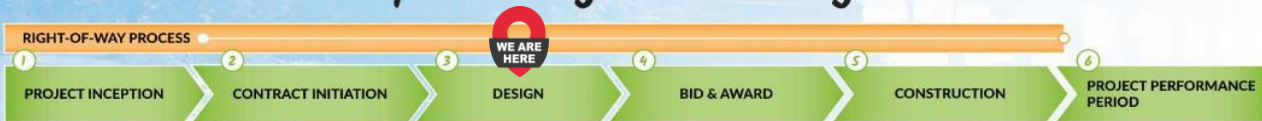
Summer 2023

## **Start of Construction:**

Fall 2023



# Capital Project Life Cycle



## Right-of-Way Process

It is critical that the appropriate rights-of-way, easements and real estate acquisitions necessary to implement a project be secured before the Construction Phase can begin.

### 1 Project Inception

A Capital Project request is created in response to a need identified by a User Agency. The Bureau of Engineering develops a project description, budget and schedule. The Capital Project request is reviewed by the Capital Improvement Plan Oversight Committee, who weighs costs and public advantages along with those of other ongoing or new project requests. Ultimately, the County Executive determines which projects are included in the Capital Budget request presented to the County Council annually. The request to fund the new Capital Project must be approved by the County Council.

### 2 Contract Initiation

Once the Capital Project is approved, a new Contract is created. A scope of work is identified and used to competitively select an engineering firm to execute the Design Phases. The DPW Project Manager oversees the engineering firm's selection process and the various Design Phases, including communicating and coordinating with the User Agency and the Public.

### 3 Design

**Schematic Design**  
During the Pre-Design Phase, the information that has been gathered is transformed into multiple options, alternative evaluations and comparisons, and ultimately a recommended, preferred alternative. This evaluation process includes developing conceptual drawings, writing reports and estimating probable construction costs that illustrate the scale and relationship of project components.

**Design Development**  
In Design Development, the Schematic Design is defined and refined through plans, profiles, elevations, and sections depicting the layout of buildings, linear infrastructure, rights-of-ways, limits of disturbance and pertinent site features.

### Construction Documents

The plans and outline specifications prepared during Design Development are developed into a complete set of Construction Drawings and Specifications used to secure construction contractor bids, obtain the required permits and rights-of-ways and serve as the basis for preparing the Engineer's final estimate of probable construction cost.

### Bid Documents

After completing the Construction Documents, the necessary rights-of-way and construction permits must be received before DPW can warrant the construction documents, sign the drawings and advance the Project to the Bid & Award Phase.

### 4 Bid & Award

The Bid Documents are provided to prospective bidders as part of a competitive bidding process that determines which Construction Contractor will be awarded the contract to build the proposed capital improvements.

### 5 Construction

The DPW Project Manager is responsible for overseeing and coordinating the collective efforts of the Construction Contractor, the Consultant providing construction management and inspection services and the Design Consultant providing technical guidance during construction.

### 6 Project Performance

This is the close-out of the Construction Contract, signifying conditional acceptance of the work. During the one-year Contractor warranty period, the constructed project is monitored - any observed defective construction work is corrected - and the County issues "final acceptance" of the Project. At the end of the Project Performance Period, the User Agency becomes responsible for all required routine maintenance and operation.





# Questions?

## Follow Up:

- Additional questions, up to 14 days beyond tonight's meeting, may be submitted through the Office of Planning and Zoning website  
<https://www.aacounty.org/departments/planning-and-zoning/development/community-meetings/past-meetings-comments/>
- All responses will be provided by the project team and posted on the County's Community Meeting Calendar Webpage and the Department of Recreation and Parks Capital Projects website.
- Responses will also be mailed to all parties that were sent the meeting invite.

Thank you!





## Bureau of Utility Operations

### 24-Hour Emergency

**Water Service:** (410) 222-8400

**Billing Inquiries:** (410) 222-1144



## Bureau of Waste Management Services

### Bulk Trash Service / Curbside

**Collections:** (410) 222-6100



## Bureau of Highways

**General Inquiries:** (410) 222-7321

**Snow Line:** (410) 222-4040

**Email:** [hwyscustomercare@aacounty.org](mailto:hwyscustomercare@aacounty.org)



## Bureau of Engineering

**General Inquiries:** (410) 222-7500



## Bureau of Watershed Protection and Restoration

**General Inquiries:** (410) 222-1072

## Customer Relations:

(410) 222-7582

