

# Anne Arundel County DPW & YOU

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## Historic London Town & Garden Shoreline Improvements Public Meeting

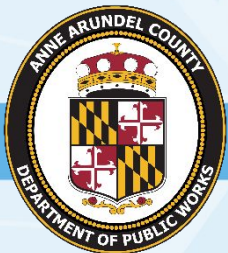
Project No. 468700

Contract No. 468701

Presented by:

Anne Arundel County Department of Public Works  
with the Department of Recreation and Parks

December 14, 2023



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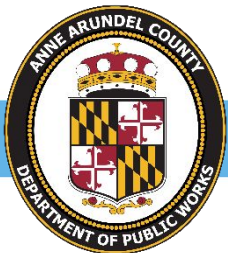


# Important Meeting Information

- Tonight's meeting will be audio recorded.
- The URL link for the meeting will be posted to the OPZ Community Meetings Website within 24 hours of the 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 minutes and response to comments will be mailed to residents who receive the notice of this meeting and who attend the meeting in 1 month.



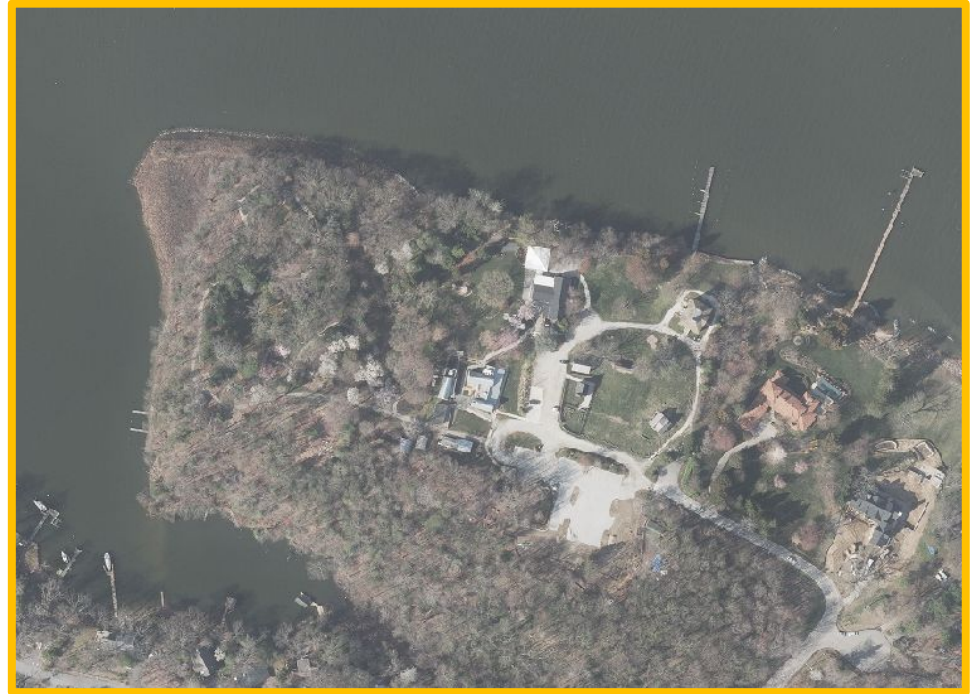
# Introductions

- Department of Recreation and Parks
  - Bruce Bruchey (Project Manager)
- Department of Public Works
  - Melissa Harlinski (Project Manager)
- BayLand Consultants & Designers, Inc.
  - Anna Johnson, PE (Project Manager)
  - Megan Barniea, PE (Environmental Site Design Lead)
  - Joshua Hansen (Coastal, Stream, & Wetland Designer)



# Agenda

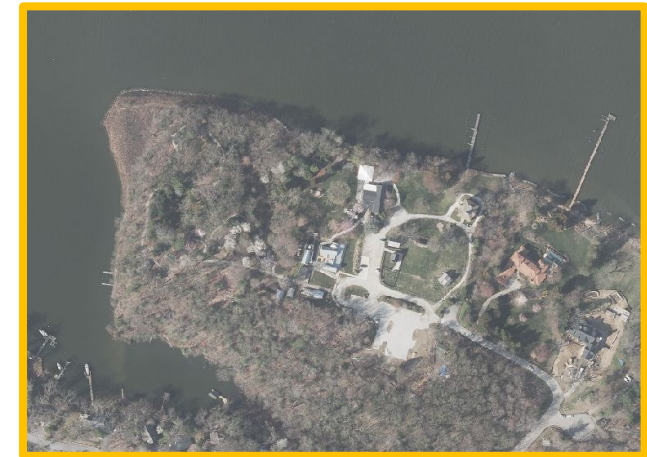
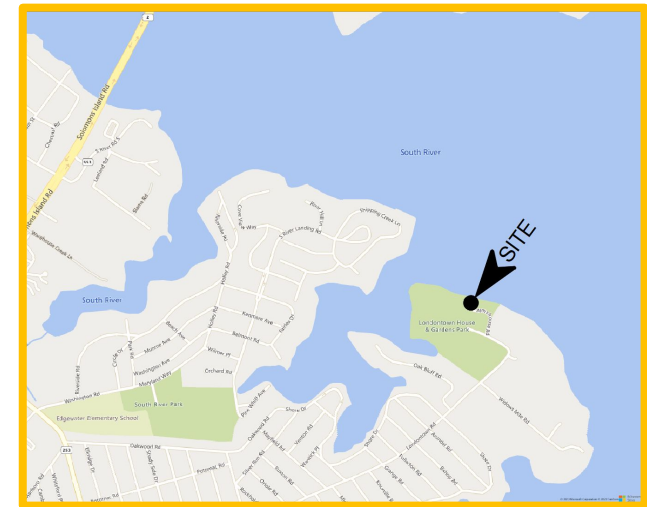
- Introductions
- Shoreline Improvements Project
  - Background
  - Existing Conditions
  - Proposed Design Components
  - Schedule
  - Contact Information
- Q&A on Shoreline Improvements Project





# Project Background

- Location - South River on Londontown Rd
- Approximately 23-acre park area featuring history, archaeology, and horticulture, wedding venue and approximately 2,300 Linear Feet of shoreline on the South River and Almshouse Creek including an existing 172 linear foot pier.
- Active erosion along unprotected portion of shoreline. 500 linear feet of the natural shoreline is adjacent to steep slopes with eroding banks and fallen trees.
- The pier does not comply with ADA Accessibility Requirements.
- Parking lot runoff is currently untreated before entering South River.



# Existing Conditions - South River Pier

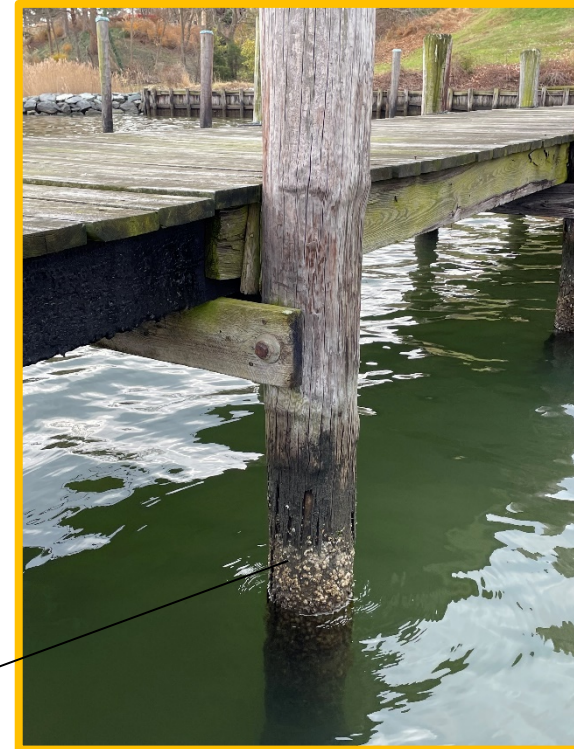
- 172 linear foot fixed wooden pier over 50 years old
- Underutilized due to its current condition
- Cannot currently accommodate historic tall ship visits



Splitting of Support Members



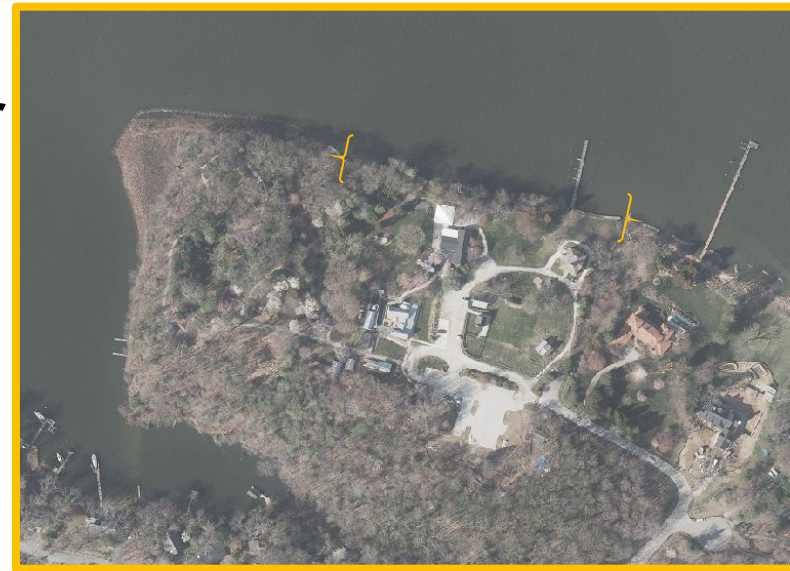
Necking and Pitting of Piles





# Existing Conditions - South River Bulkhead

- Currently protected with 615 linear feet of aging timber bulkhead at an elevation of +5.0' MLW.
- This bulkhead is in poor condition and in need of replacement. Most pilings have necking at the waterline and numerous walers have failed.



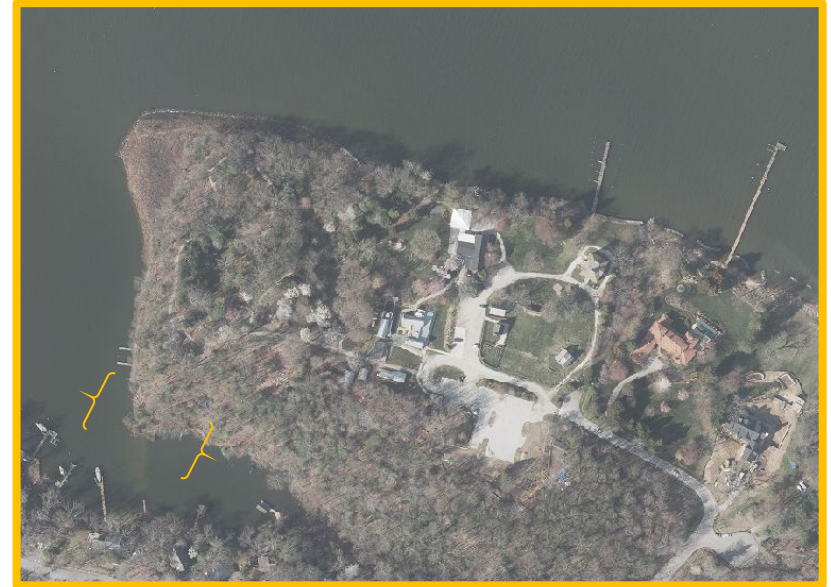
Failed Walers





# Existing Conditions - Almshouse Creek

- 135 LF of the natural shoreline is unprotected and adjacent to steep slopes. There are numerous eroding banks and fallen trees.
- MD DNR Coastal Atlas indicates an erosion rate of 1.0 feet per year in this unprotected portion of the shoreline.





# Existing Conditions - Upland Drainage

- Park operators have indicated that upland drainage has been an ongoing issue on the property, particularly after the construction of the parking lot expansion in 2020.

Area 3: Open Space between the access path to the William Brown House and the shoreline



Area 2: Open Space area between Planned Garden Expansion and Educational Pavilion

Area 1: 2020 Gravel Parking Lot Expansion



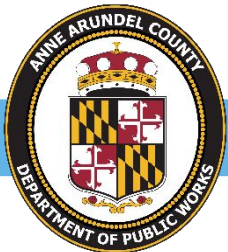
# Existing Conditions - Upland Drainage

Existing sewer infrastructure will eventually be undermined by head cut erosion



Area 3: Steep terrain allowing stormwater runoff to channelize and discharge into tidal waters at high velocities

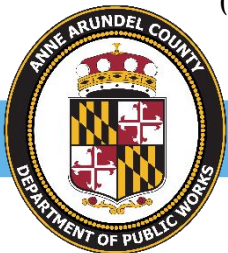
Head cut erosion actively developing upland.





# Community Meeting per Code § 17-2-107

- Funding: Anne Arundel County (Capital Improvement Project)
- Address: 839 Londontown Rd, Edgewater, MD 21037
- Property Owner: Public (Anne Arundel County)
- Grading Permit Number: TBD
- Zoning: OS - Open Space & R5 Residential
- Water & Sewer Type: Well Water and Public Sewer
- Impacted Schools: Edgewater Elementary School (no impacts from project)
- Number of Proposed Lots: None
- Type of Proposed Product: Shoreline Improvement Project
- Approximate Road Configuration: Access to the Park is from Londontown Rd. No improvements proposed.
- Limits of Disturbance = ±1 acres
- Modifications Anticipated: None
- Approximate Location of Environmental Features On-Site: Critical area, floodplain, tidal waters, steep slopes, forest
- Impacts of Proposed Development on Environmental Features:
  - Critical area (Resource Conservation Area), floodplain, tidal waters, steep slopes, minimal tree clearing
- Conceptual Stormwater Management:
  - Proposed land development (boardwalk) will be timber & pervious and thus exempt from stormwater management requirements. Proposed micro-bioretenion BMP and Regenerative Storm Conveyance (RSC) system will improve drainage and treat existing impervious area.



# Project Design Goals

## South River Bulkhead

- Replace failing bulkhead to increase coastal resiliency of park shoreline and upland area

## Almshouse Creek Shoreline

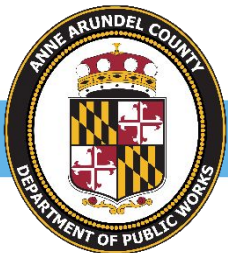
- Address 1.0 ft/yr erosion at point and increase coastal resiliency of park shoreline and upland area.

## Park Drainage

- Address head cut erosion South River Shoreline and improve drainage throughout the park.
- Ensure the protection of potential historical artifacts while allowing for the continued use of Area 2 for events and demonstrations.

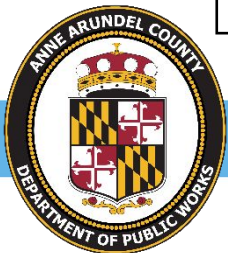
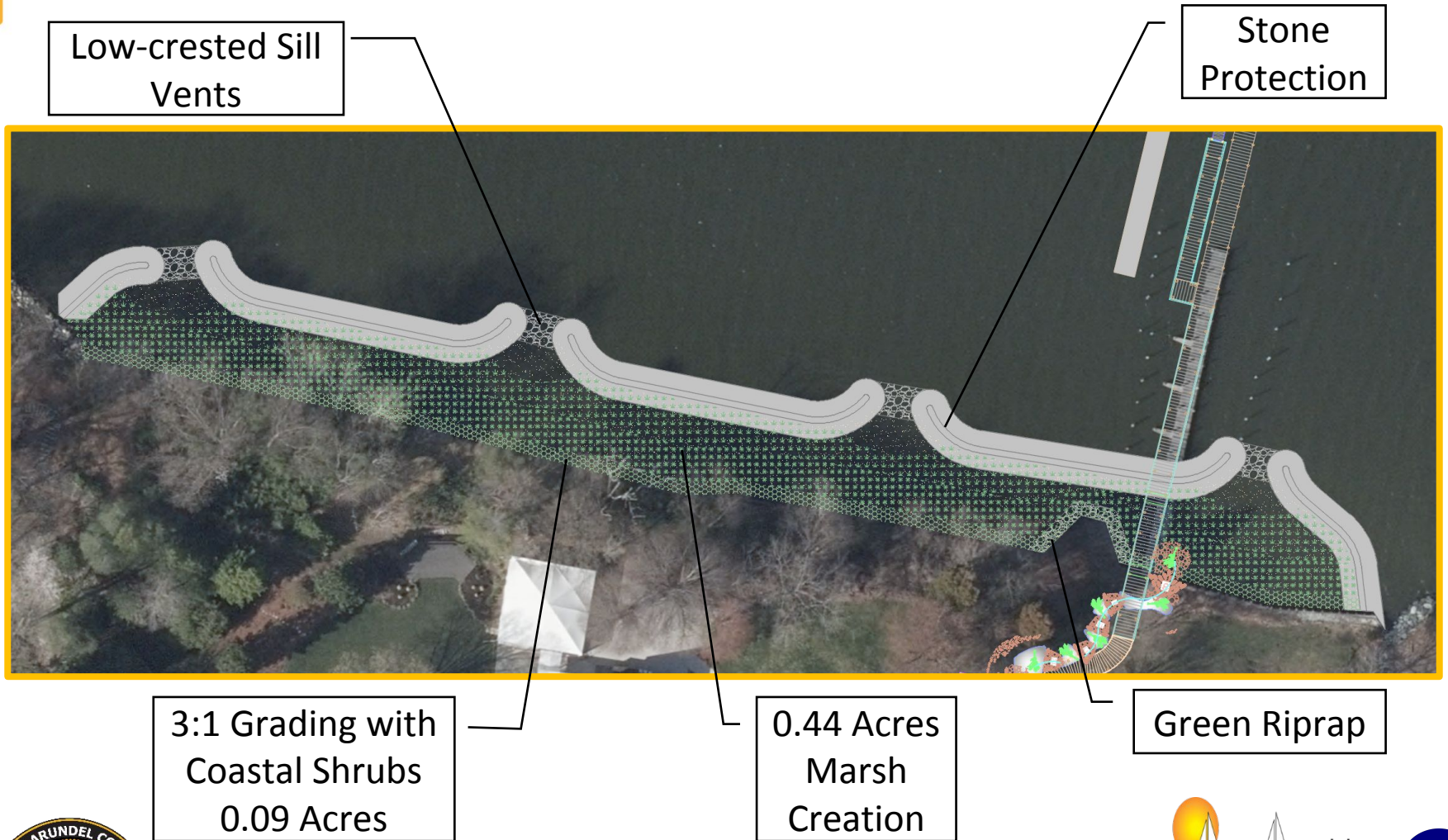
## South River Pier Improvements

- Accommodate historic tall ships such as the Baltimore Pride II, which requires a depth of 13.5' MLW
- Improve pier access for boaters
- Add ADA Accessibility





# Proposed Design - South River Living Shoreline



# Example Living Shoreline (Holly Beach Farm Rd, Pasadena, MD)

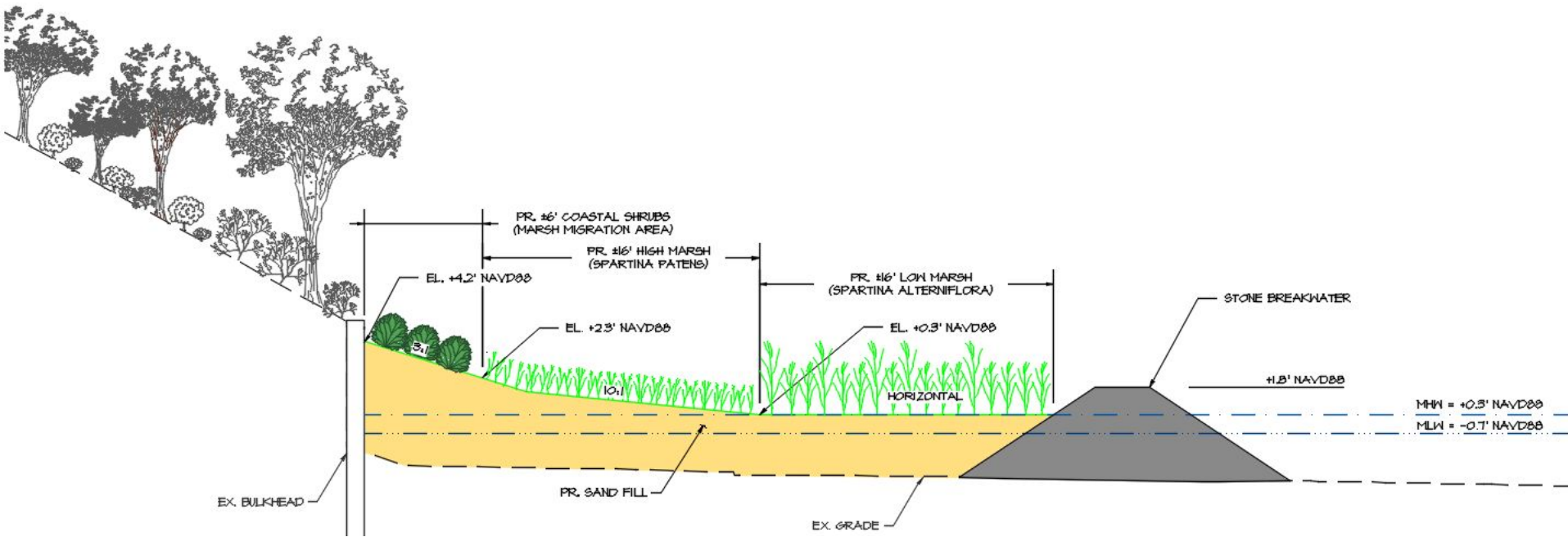


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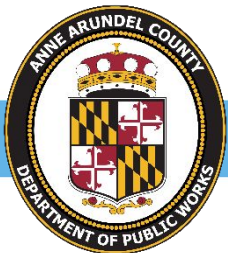
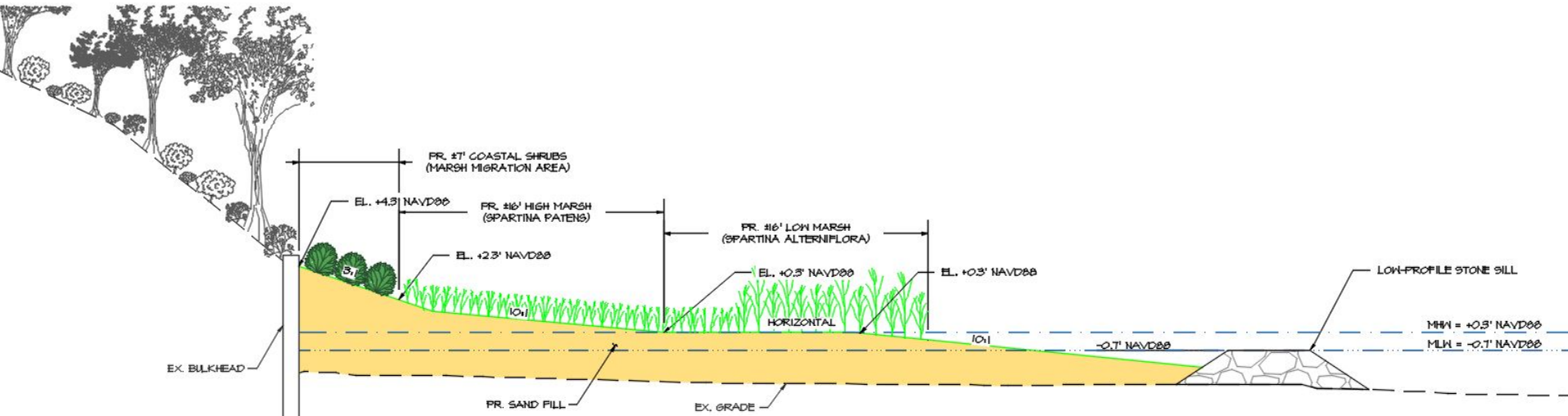
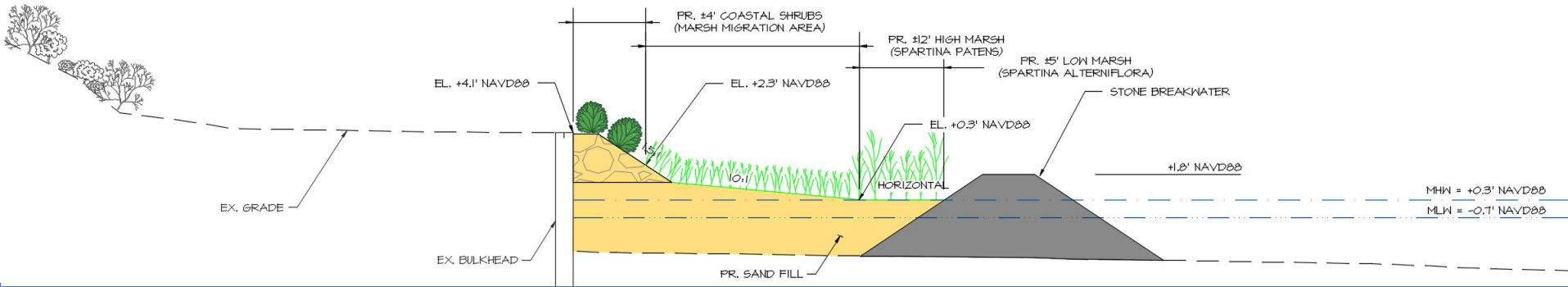




# Typical South River Shoreline Profile



# Typical South River Shoreline Profiles





# Proposed Design - Almshouse Creek Living Shoreline



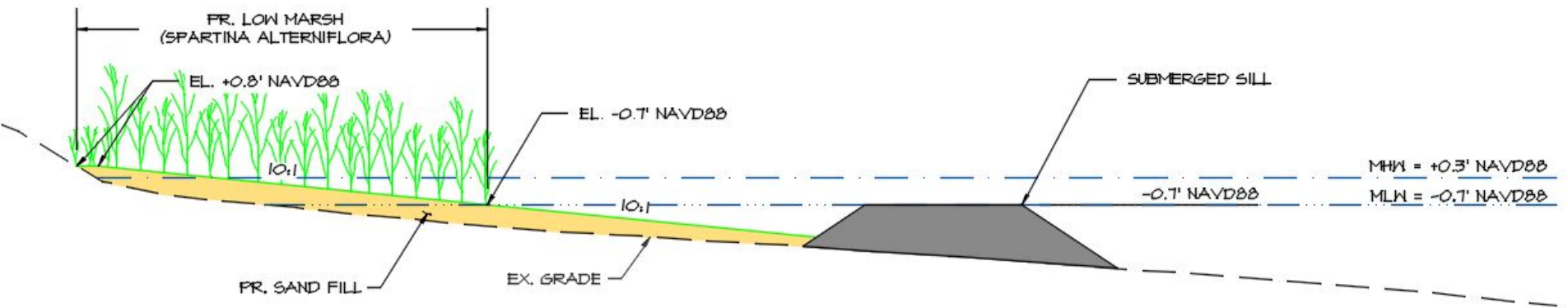
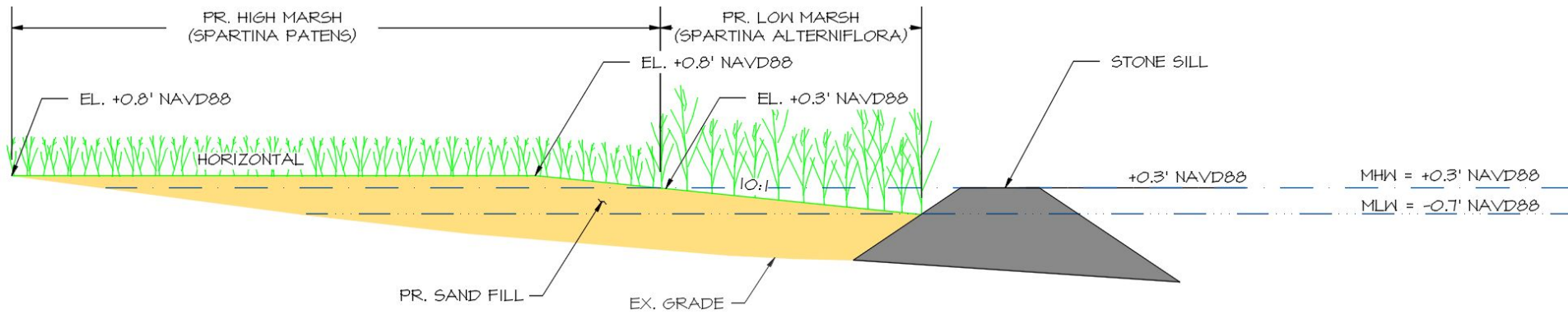
Low-crested  
Sill Vents

Stone  
Protection

0.15 Acres  
Marsh Plantings



# Typical Almshouse Creek Shoreline Profiles



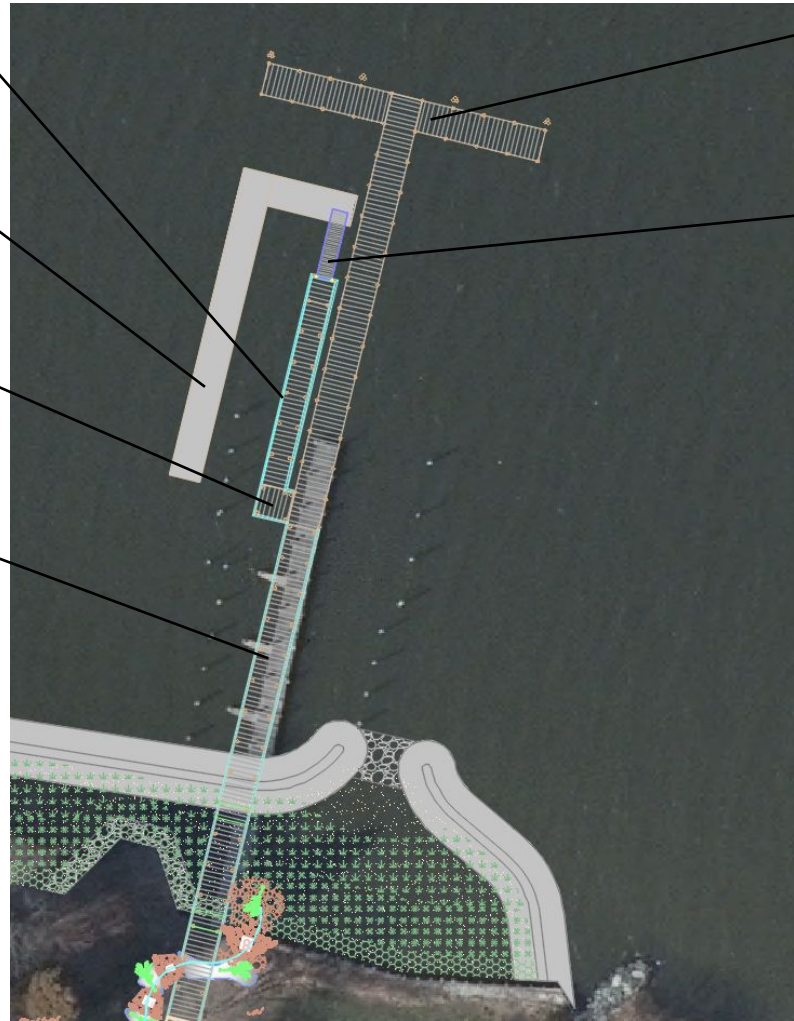
# Proposed Design - South River Pier Access

8' Wide  
12:1 Ramped Path  
With Handrailing

128 LF  
10' Wide  
Floating Dock

11x10' Landing

10' Wide  
12:1 Ramped Path  
With Handrailing



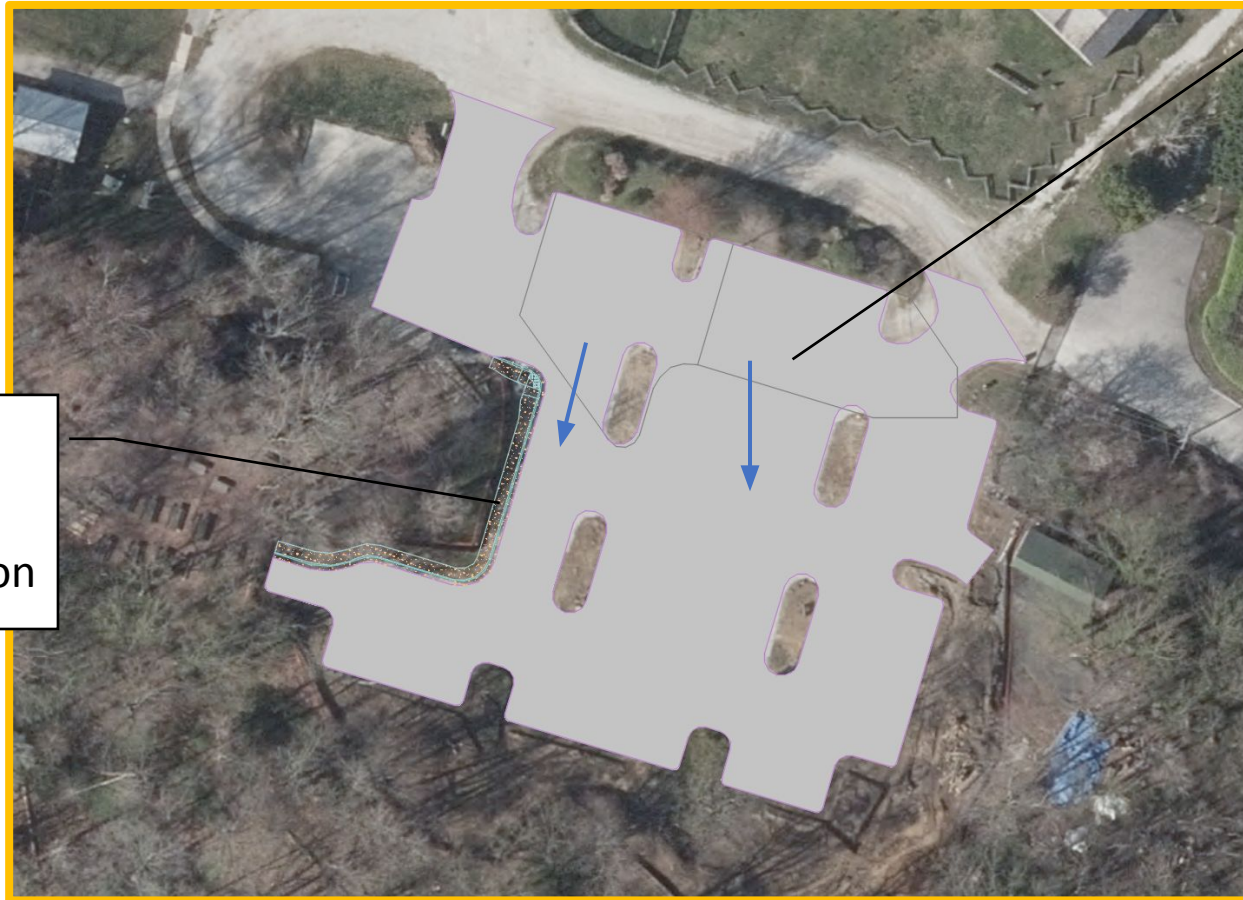
T-dock  
+7.0 MLW

5' Wide  
Gangway





# Proposed Design - Drainage Improvements - Area 1

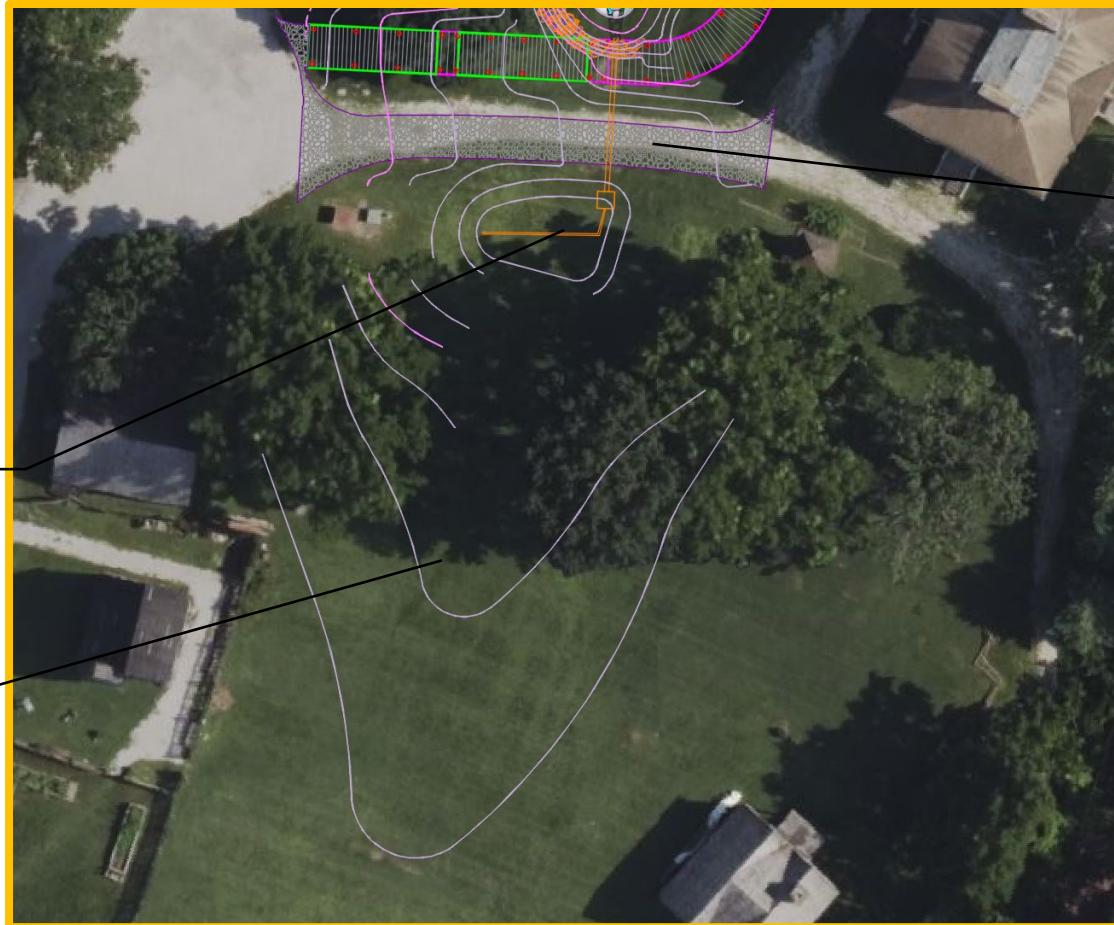


Regrading  
for Positive  
Drainage to  
existing  
SWM BMPs

Curb Cut &  
Gutter  
Reconstruction



# Proposed Design - Drainage Improvements - Area 2



Elevate  
access path  
to William  
Brown  
House

SWM BMP &  
Outfall Pipe

Regrading  
to Improve  
Drainage





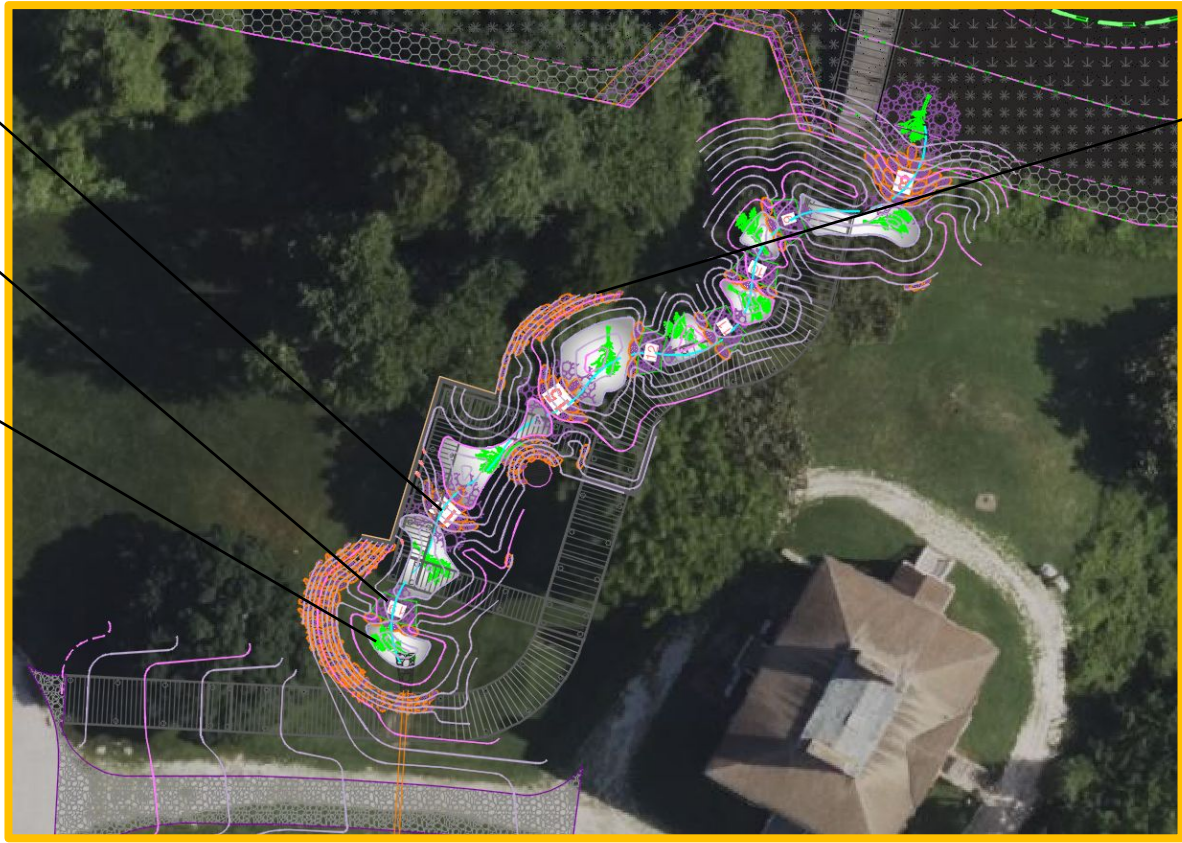
# Proposed Design - Drainage Improvements - Area 3

Boulder Cascade

Cobble Riffle Weir

Step-pool with Coarse Woody Material

Boulder Outcrop



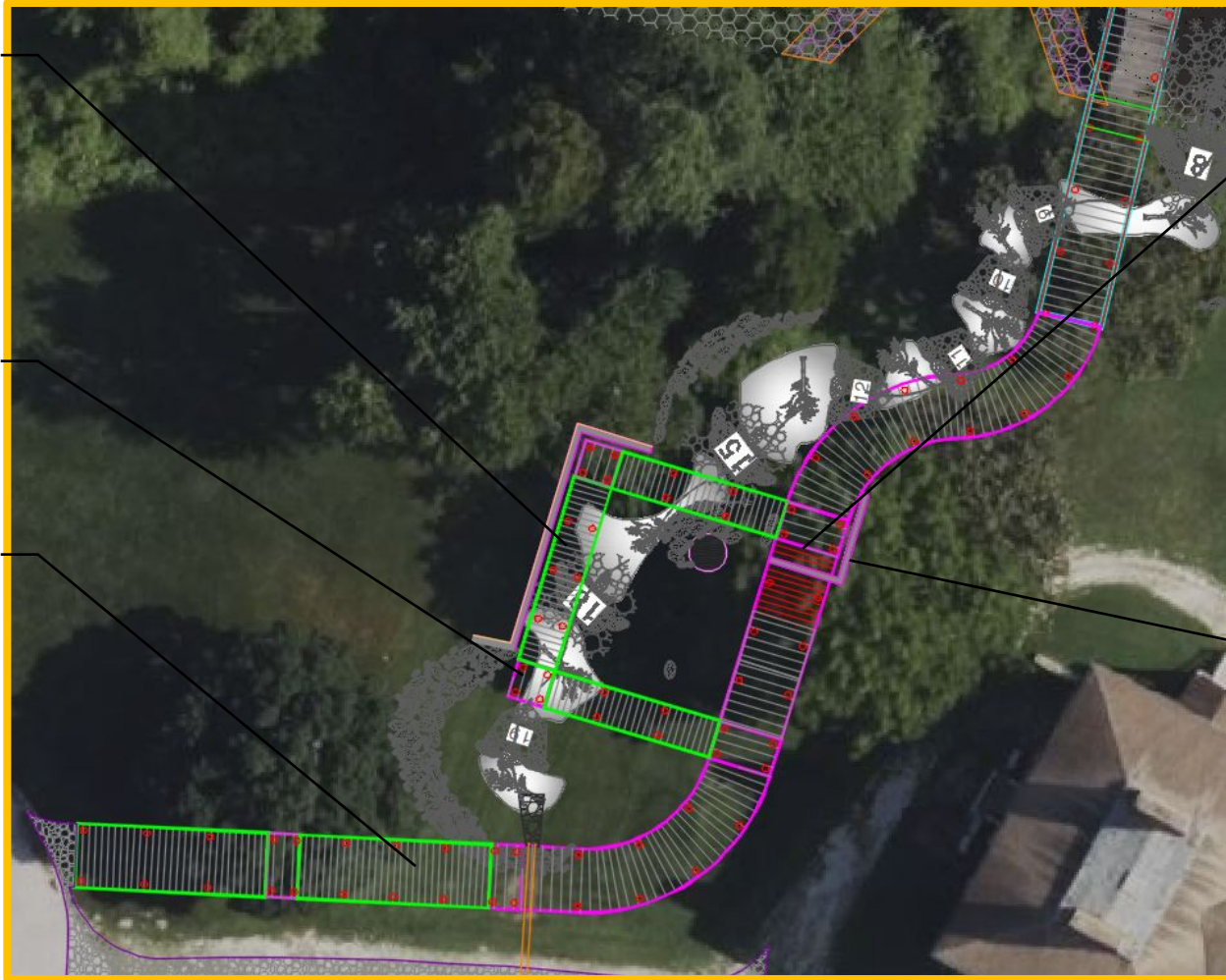


# Proposed Design - South River Pier Access

6' Wide  
12:1  
Ramped  
Path  
With  
Handrailing

6x6'  
Landings

10' Wide  
12:1  
Ramped  
Path With  
Handrailing



Stairs

Retaining  
Wall



# Site Improvement Design Goals

## South River Bulkhead

- Replace failing bulkhead to increase coastal resiliency of park shoreline and upland area ✓

## Almshouse Creek Shoreline

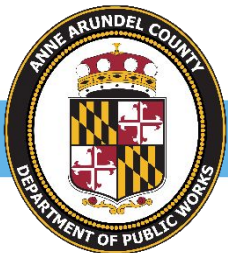
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- Address head cut erosion South River Shoreline and improve drainage throughout the park. ✓
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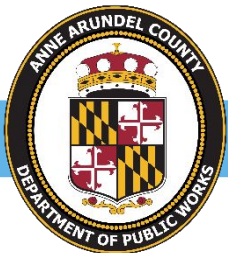
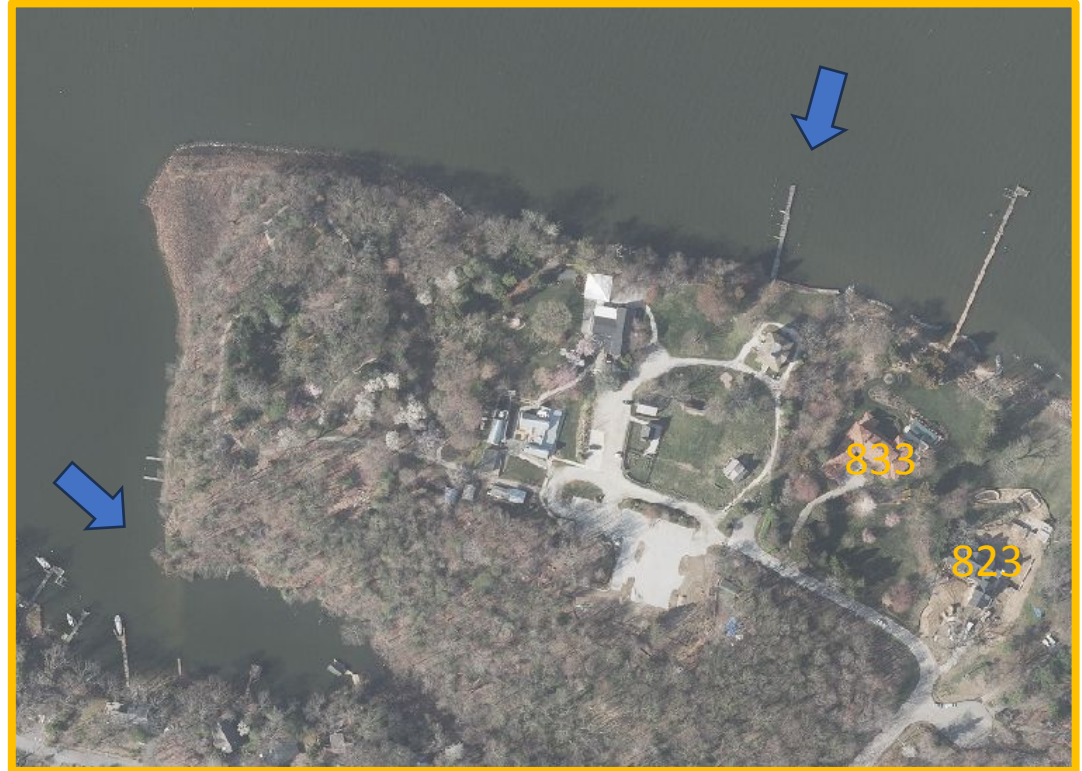
## South River Pier Improvements

- Accommodate historic tall ships such as the Baltimore Pride II, which requires a depth of 13.5' MLW ✓
- Improve pier access for boaters ✓
- Add ADA Accessibility ✓



# Construction Access

- Construction entrance via Londontown Rd
- Construction vehicle traffic
  - On-site placement of excavated material to reduce truck traffic and cost savings
- Shoreline Improvements via water access





# Schedule for Shoreline Improvements Project

- Finalize Schematic Design - November 2023
- Schematic Design Public Meeting ← We are here
- Design Development - June 2024
- Federal, State & County Permitting - Fall 2024
- Construction Documents - Fall 2024
- Bid/Award - Winter/Spring 2025
- Construction - Spring/Summer 2025



# Q & A - Historic London Town & Garden Site Improvements Project

## Contact Information

Melissa Harlinski, DPW Project Manager

[pwharl45@aacounty.org](mailto:pwharl45@aacounty.org)

410-222-4126 (office)

Bruce Bruchey, DRP Chief of Planning and Construction

[drp\\_capital-projects@aacounty.org](mailto:drp_capital-projects@aacounty.org)

Link to Presentation and Meeting Minutes:

<https://www.aacounty.org/departments/planning-and-zoning/development/community-meetings/past-meetings-comments/>





### Bureau of Utility Operations

24-Hour Emergency  
Water Service: (410) 222-8400  
Billing Inquiries: (410) 222-1144



### Bureau of Engineering

General Inquiries: (410) 222-7500



### Bureau of Waste Management Services

Bulk Trash Service / Curbside Collections:  
(410) 222-6100



### Bureau of Watershed Protection and Restoration

General Inquiries: (410) 222-4240



### Bureau of Highways

General Inquiries: (410) 222-7321  
Snow Line: (410) 222-4040  
Email: [hwyscustomercare@aacounty.org](mailto:hwyscustomercare@aacounty.org)

**Customer Relations:**  
(410) 222-7582



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