

Broadneck Peninsula Trail Phase III

Community Meeting

February 25, 2019 7:00 PM

Windsor Farm Elementary School

591 Broadneck Road, Annapolis, MD 21409



Project Team

Dawn Thomas, CPRP
Capital Project Manager
Department of Recreation and Parks
[410-222-7317, x 3537](tel:410-222-7317)
rpthom00@aacounty.org

Robert M. Fernandez, P. E.
Project Manager
Department of Public Works
[410-222-7938](tel:410-222-7938)
pwfern83@aacounty.org

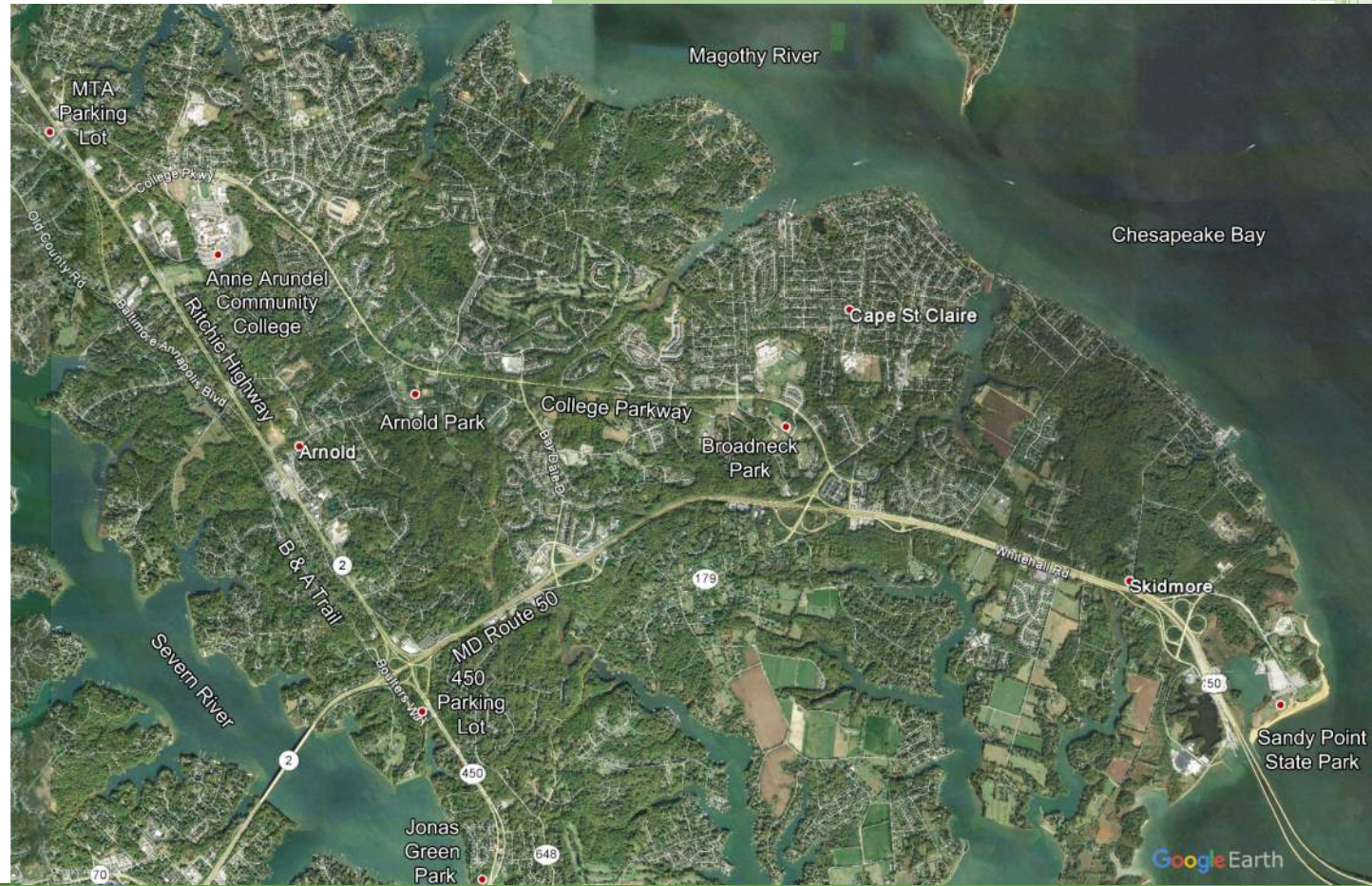
Consultant: Pennoni Associates, Peter J. Stone, Project Manager

Comments

Website for additional information and to submit online comments:

<https://www.aacounty.org/departments/recreation-parks/parks/trails/broadneck-trail/index.html>

Broadneck Peninsula Map



Broadneck Peninsula Trail
Arnold, Maryland
February 25, 2019

Broadneck Peninsula Trail



STATUS OF PHASES

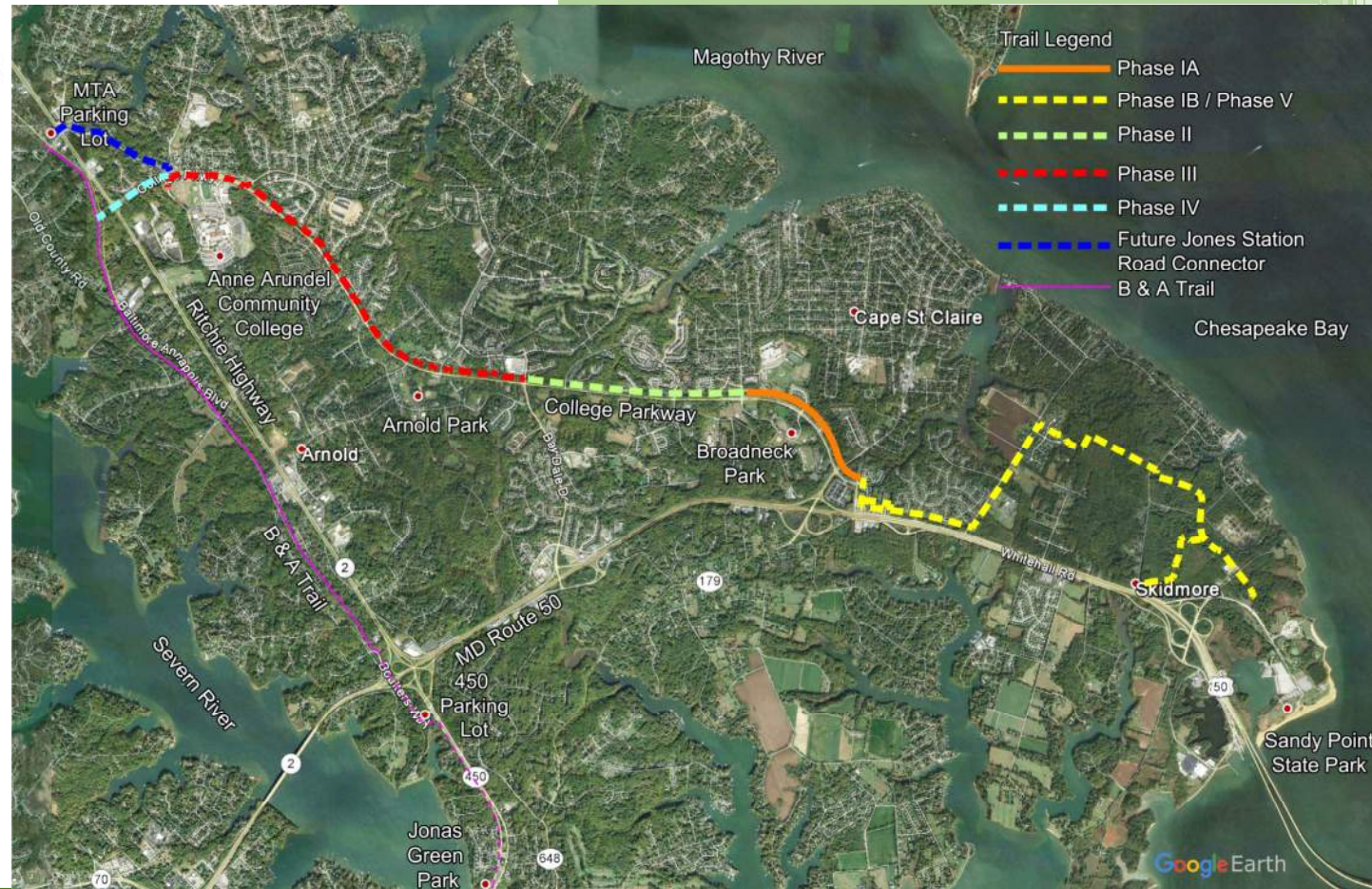
Phase IA - Complete

Phase IB/Phase V – Under Design

Phase II – Under Construction

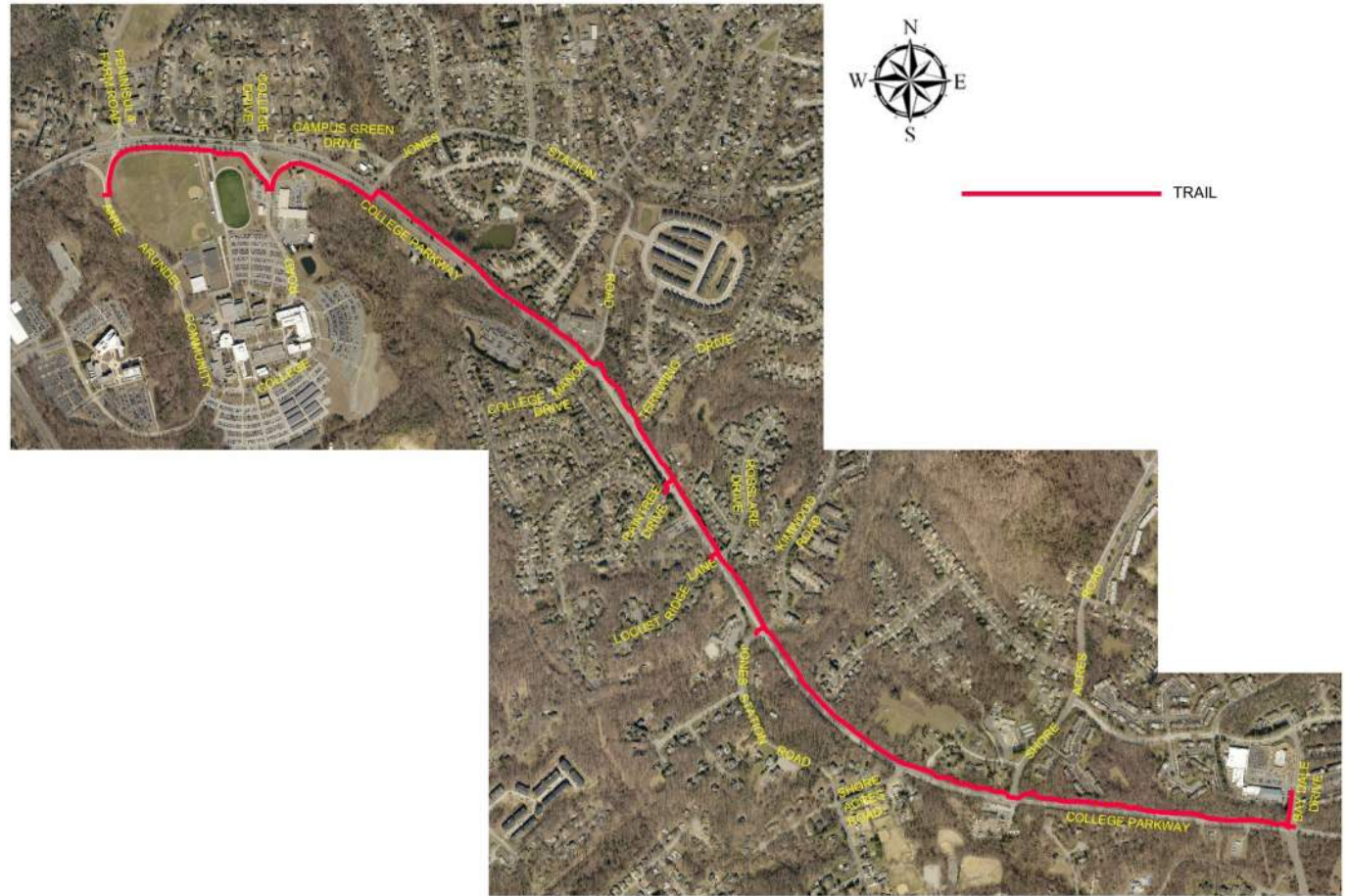
Phase III – Under Design

Jones Station Connector – Under Design



Broadneck Peninsula Trail
Arnold, Maryland
February 25, 2019

Phase III



Broadneck Peninsula Trail
Arnold, Maryland
February 25, 2019

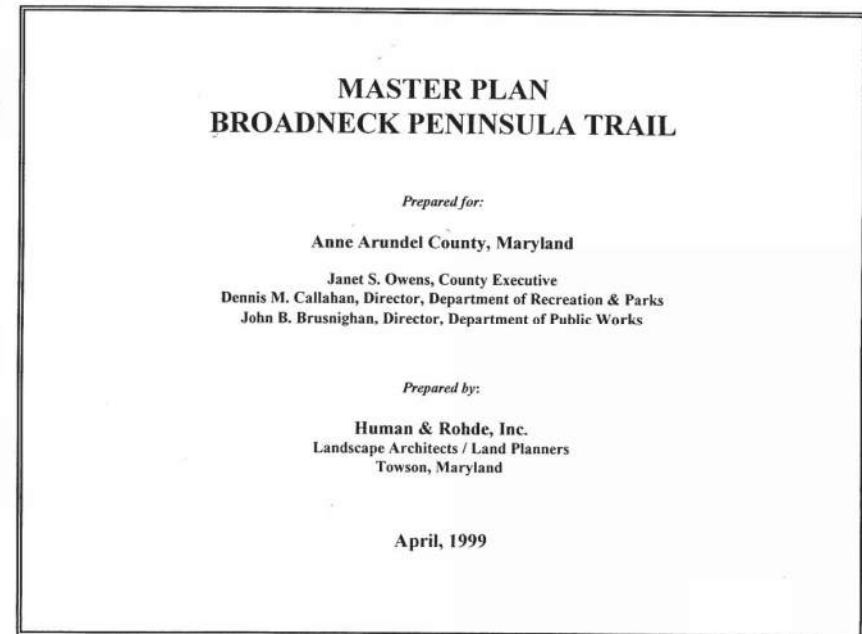
Phase III

STATUS OF PHASE III

- Feasibility Study Complete – April 2017
- Initial Public Meeting – July 2017
- Schematic Design Complete – May 2018
- Design Development/Construction Documents Start – June 2018
- Submit DD Package – November 2018
- Second Public Meeting – December 2018
- Submit Permits – January 2019
- Submit Construction Documents – February 2019
- Award Contract – Fall 2019 – Spring 2020 (Subject to County Council Approval and Appropriation of funds)
- Construction Start – Fall 2019 – Spring 2020 (Subject to County Council Approval and Appropriation of funds)

Master Plan Goals

1. Minimize conflict with other forms of transportation.
2. Maximize existing County owned land to minimize conflicts with private property owners.
3. Minimize environmental impacts.
4. Align trail to take advantage of natural features.
5. Design a multi-use trail that can accommodate a wide range of users.



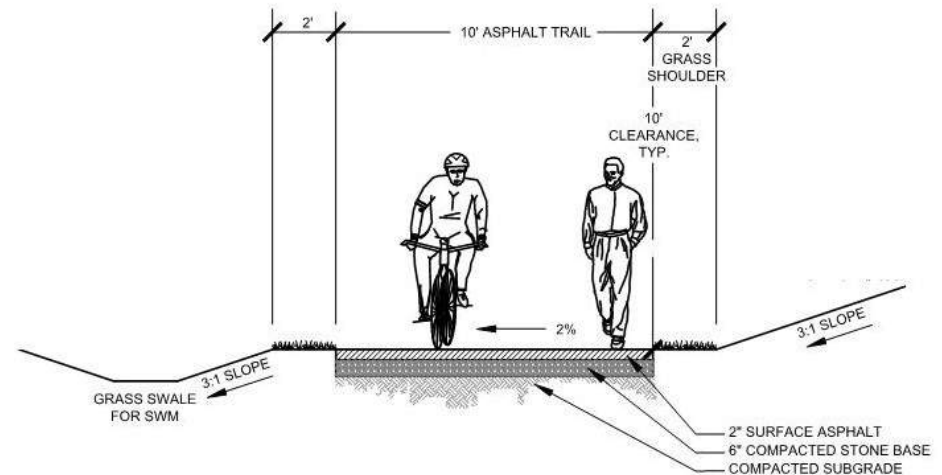


PHASE III OVERVIEW

Broadneck Peninsula Trail
Arnold, Maryland
February 25, 2019

Trail Overview

- 2.47 miles from Peninsula Farm Road to Bay Dale Drive
- 10' wide asphalt surface
- ADA accessible – slopes generally 4.5% or less
- Multiple retaining walls and boardwalks to minimize tree clearing, grading, and environmental impacts
- Stormwater management facilities and landscaping provided along trail
- Five crossings of College Parkway proposed: Jones Station Road (2), Raintree Drive, Locust Ridge Lane, Kimwood Drive/Jones Station Road



Trail Overview

- Typical retaining walls and boardwalks



Peninsula Farm Road to Jones Station Road (East)

- Located within County Right-of-Way, adjoining HOA property, and AACC
- Generally open area with some slopes
- Minimal utility impacts
- Retaining Walls along AACC Frontage
- New Traffic Signal and road crossing at Jones Station Road (west)



LEGEND

PROPERTY LINE AND RIGHT-OF-WAY

PROPOSED TRAIL

PROPOSED RETAINING WALL

PROPOSED PEDESTRIAN BRIDGE

EXISTING TRAFFIC LIGHT AT INTERSECTION



Jones Station Road (East) to Kimwood Road

- Located within County Right-of-Way
- Wooded area to open area with some slopes
- Stormwater management to include grass shoulders and bioswales
- Crossings at Raintree Dr., Locust Ridge Lane, and Kimwood Drive



Kimwood Road to Shore Acres Road

- Located within County Right-of-Way
- Wooded area with steep slopes above and below College Parkway
- Multiple Retaining Walls
- Two boardwalks
- Stormwater management to include grass shoulders with bioswales and grass swales



Shore Acres Road to Bay Dale Drive

- Located within County Right-of-Way
- Wooded Area with some slopes
- Retaining walls
- One boardwalk
- Stormwater Management to include grass shoulders with grass swales





MODIFICATION REQUESTS

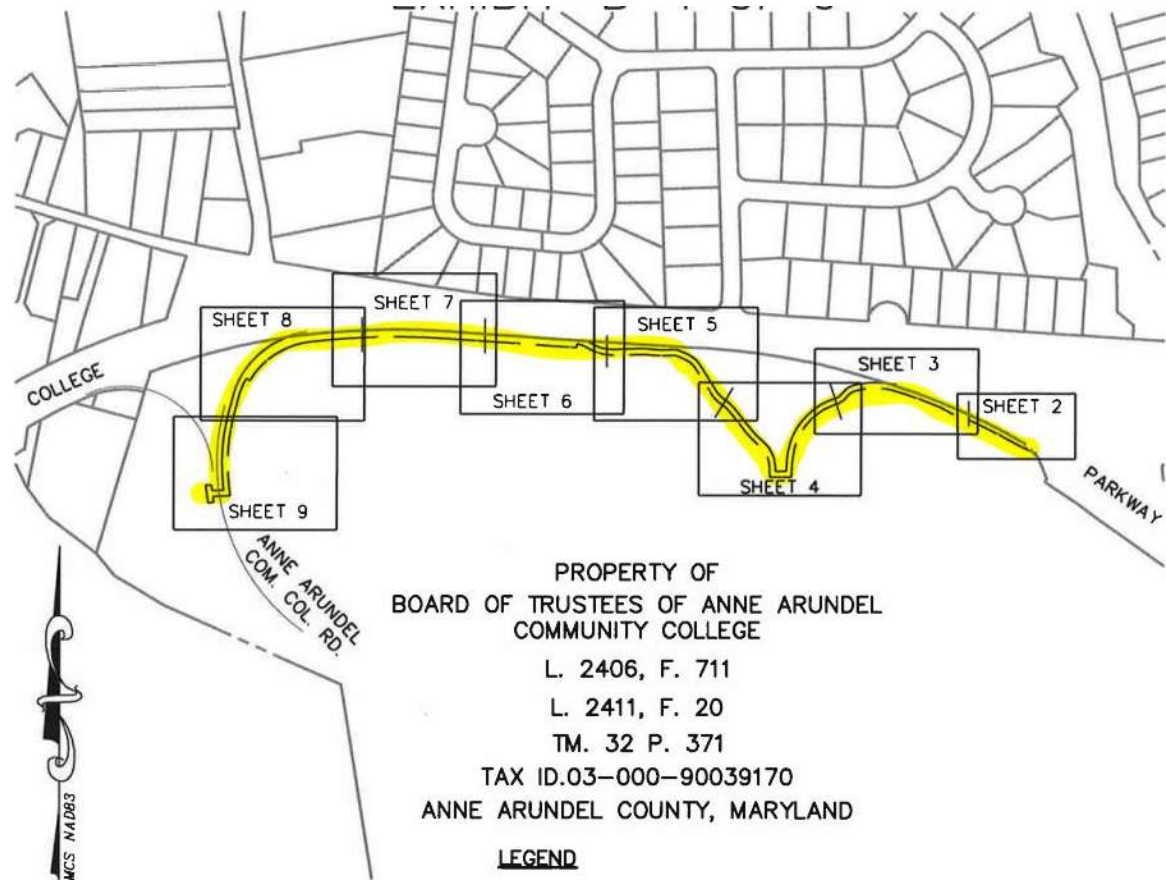
Broadneck Peninsula Trail
Arnold, Maryland
February 25, 2019

Modifications

- Where impacts to stream buffer, steep slopes, or other regulated environmental features occur on privately owned property, a modification request to the County Code must be filed with the Department of Planning and Zoning
 - *County Code Reference 17-6-402 - Development may not occur within a stream bed or within a 100-foot non-disturbance stream buffer.*
 - *County Code Reference 17-6-403 - Development may not occur within steep slopes or within 25 feet of the top of the steep slopes where the onsite and offsite contiguous area of the steep slopes is greater than 20,000 square feet unless development will facilitate stabilization of the slope or the disturbance is necessary to allow connection to a public utility.*
- This does not apply to areas within the existing County right-of-way or on County owned land.
- Any impacts to wetlands, wetland buffers, or streams would require both a County modification and a permit from the Maryland Department of the Environment.
- This project has two areas of private property where easements for the trail are being obtained and where the modification process is applicable. These are Anne Arundel Community College and property owned by Harting Farm HOA

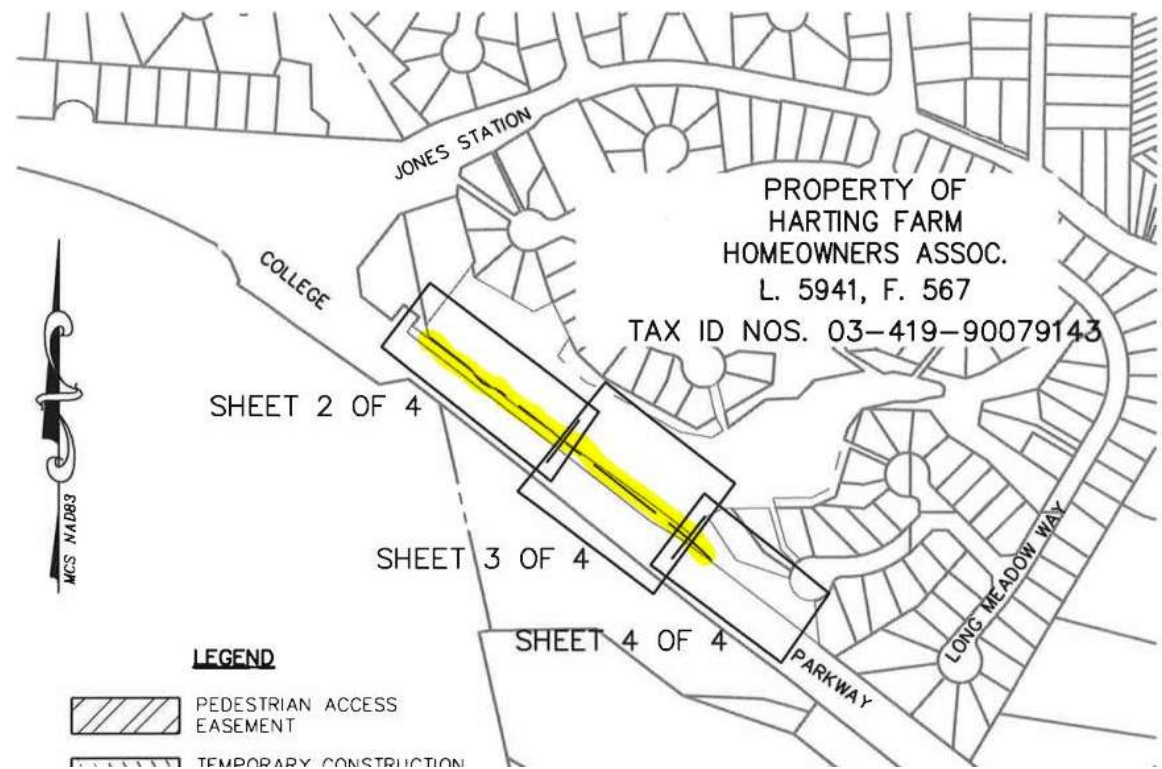
Modifications

- Anne Arundel Community College Frontage
- There are no environmental impacts on this property as a part of the trail project.



Modifications

- Harting Farm Home Owner's Association Property
- This area is currently also under a County sewer easement
- There are impacts to stream buffers and steep slopes on this property as part of the trail project. The area where the trail is being located has largely been previously disturbed and graded for road and utility construction.

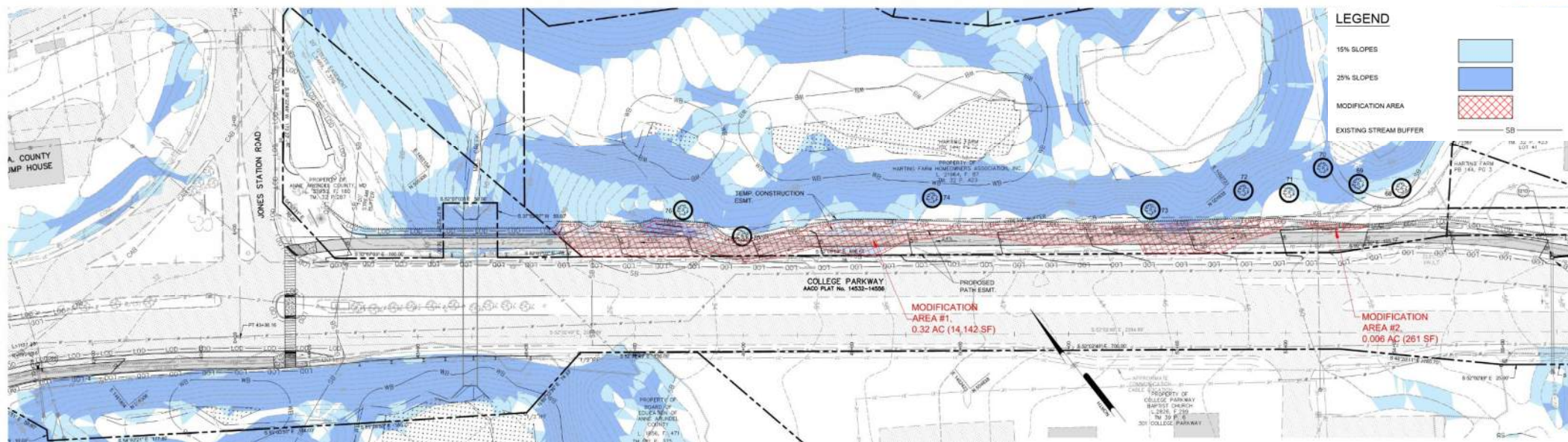


Stream Buffer and Steep Slope Modification Areas



Broadneck Peninsula Trail
Arnold, Maryland
February 25, 2019

Stream Buffer and Steep Slope Modification Areas



Broadneck Peninsula Trail
Arnold, Maryland
February 25, 2019

Stream Buffer and Steep Slope Modification Areas

There are impacts to stream buffers and steep slopes on this property as part of the trail project. The area where the trail is being located has largely been previously disturbed and graded for road and utility construction.



College Parkway looking west



College Parkway looking west



Tree Preservation

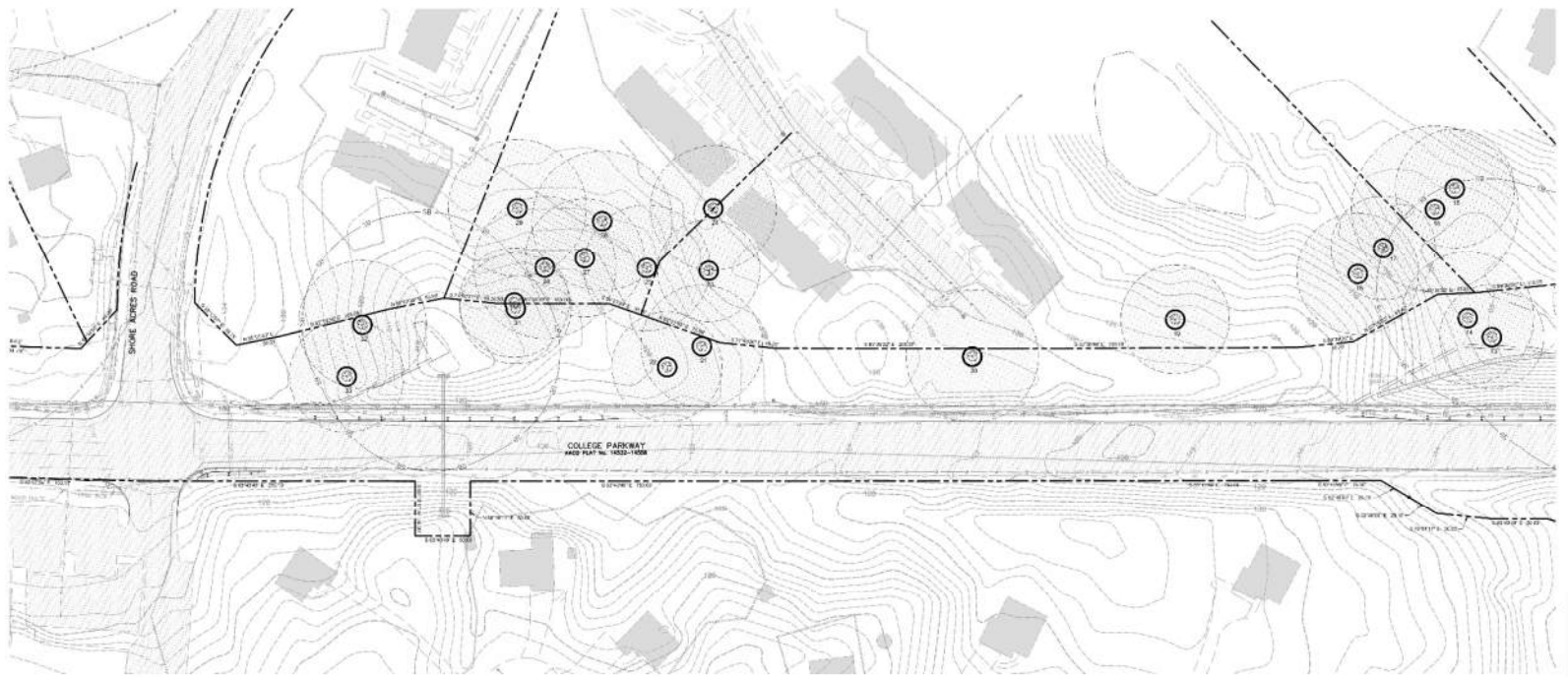
Broadneck Peninsula Trail
Arnold, Maryland
December 3, 2018

Design Process

1. Site Inventory
2. Preliminary Alignment
3. Design Standards
4. Schematic Design
5. Design Development
6. Construction Documents

1. Site Inventory

- Existing topography
- Existing Boundary
- Existing Utilities



Broadneck Peninsula Trail
Arnold, Maryland
December 3, 2018

2. Preliminary Alignment

Site Inventory allowed a preliminary alignment to be established which showed a general location of the trail and features to be considered during design.



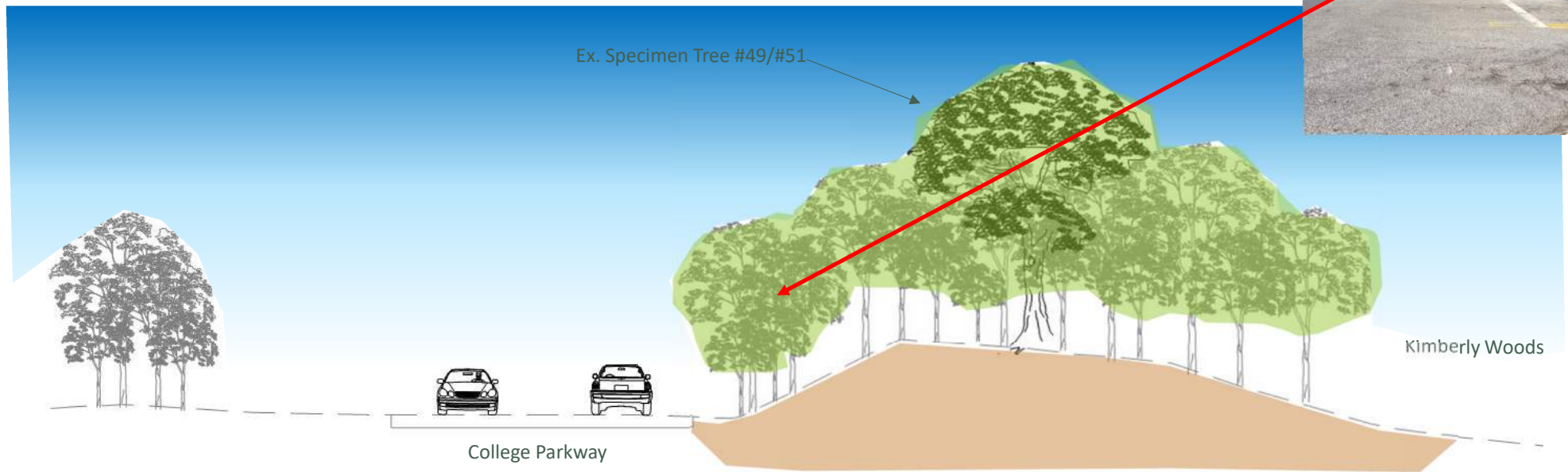
3. Design Standards

- Trail Width
- Trail Cross Slope
- Trail Shoulders
- Side Slopes
- Stormwater Management Requirements
- Walls
- Running Slope
- ADA compliance
- Forest Conservation and Wetlands

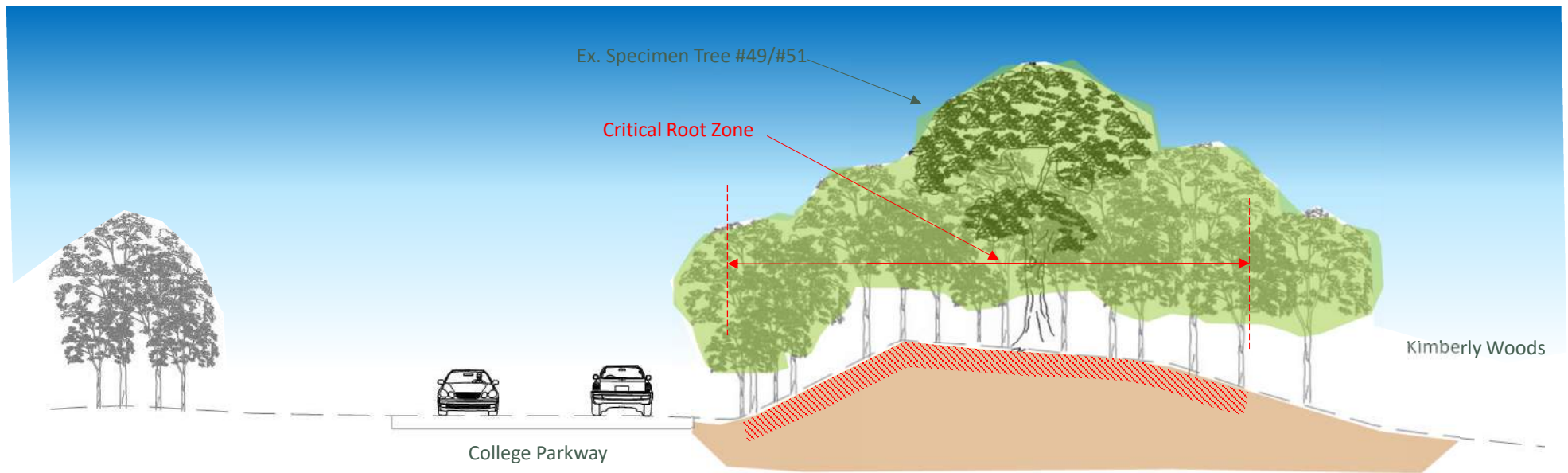
Design Approach

- Separate the trail from the road as much as possible.
- Minimize/eliminate wetland and stream impacts.
- Design trail to have as shallow a slope as possible
- Preserve specimen trees.
- Limit clearing to the minimum needed for trail and SWM construction.
- Limit work on steep slopes.
- Use of linear stormwater features.
- Limit cost and maintenance of stormwater management.

Kimwood Drive

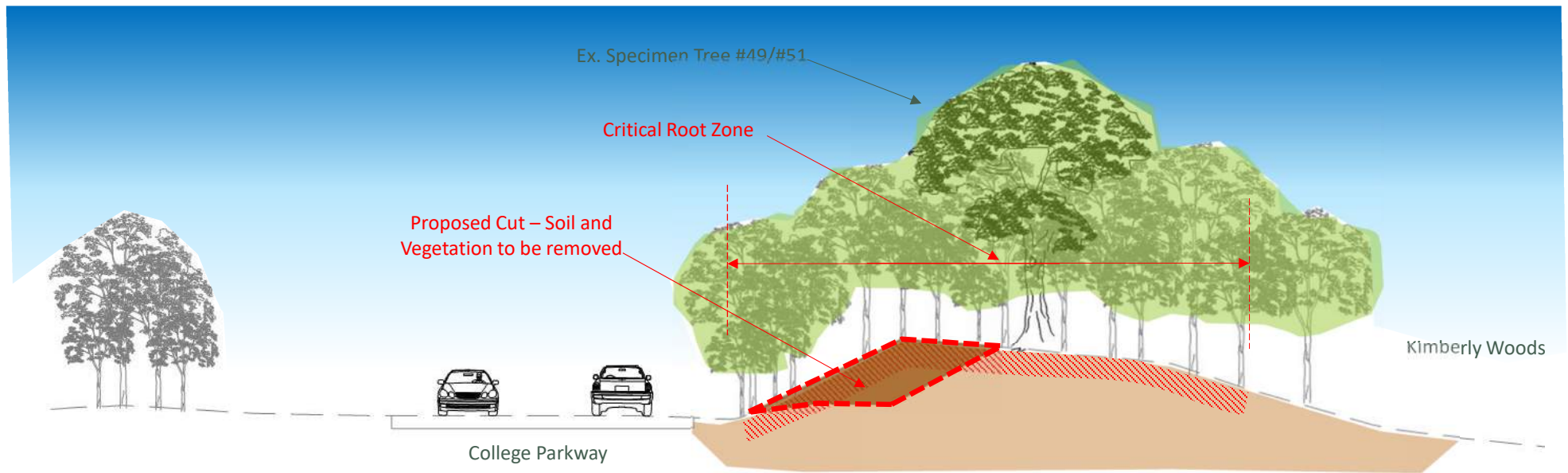


Kimwood Drive



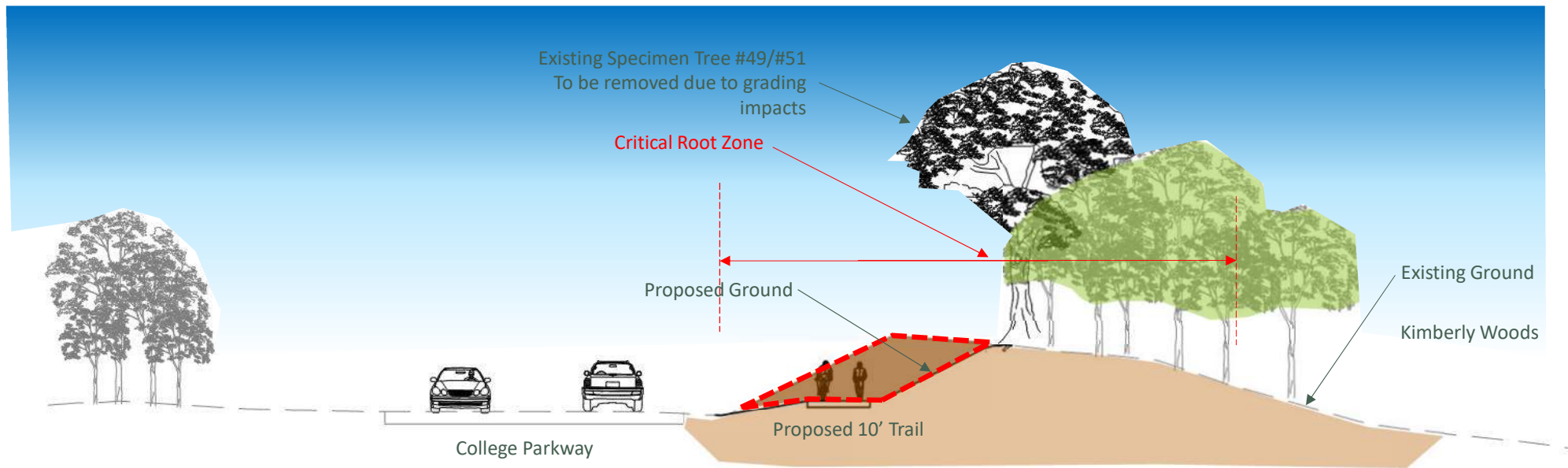
Broadneck Peninsula Trail
Arnold, Maryland
December 3, 2018

Kimwood Drive



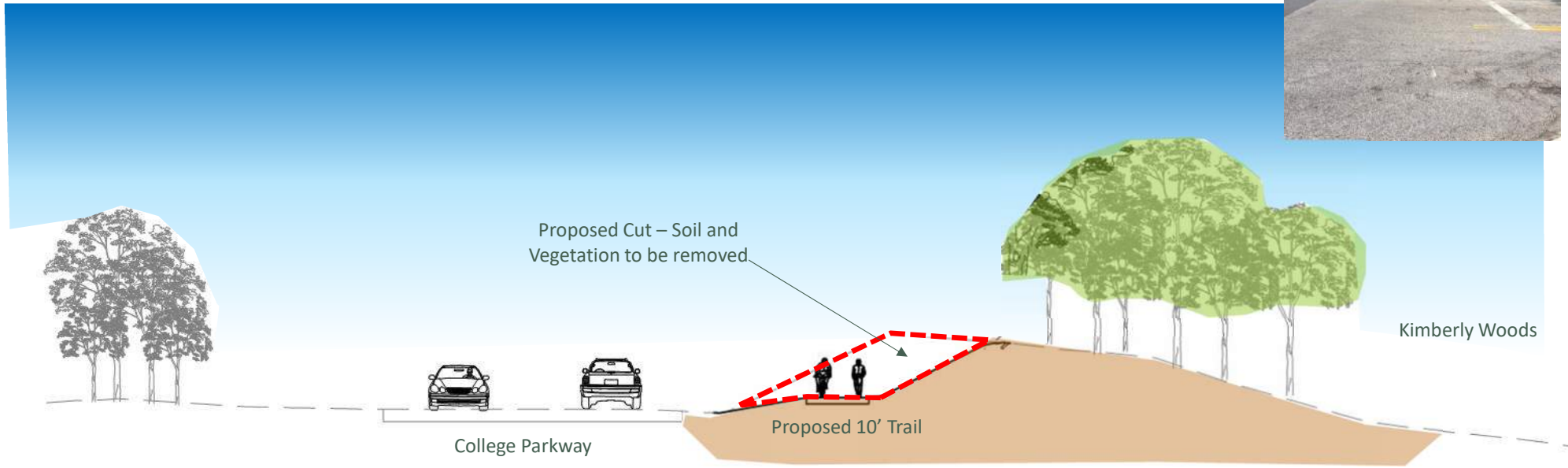
Broadneck Peninsula Trail
Arnold, Maryland
December 3, 2018

Kimwood Drive

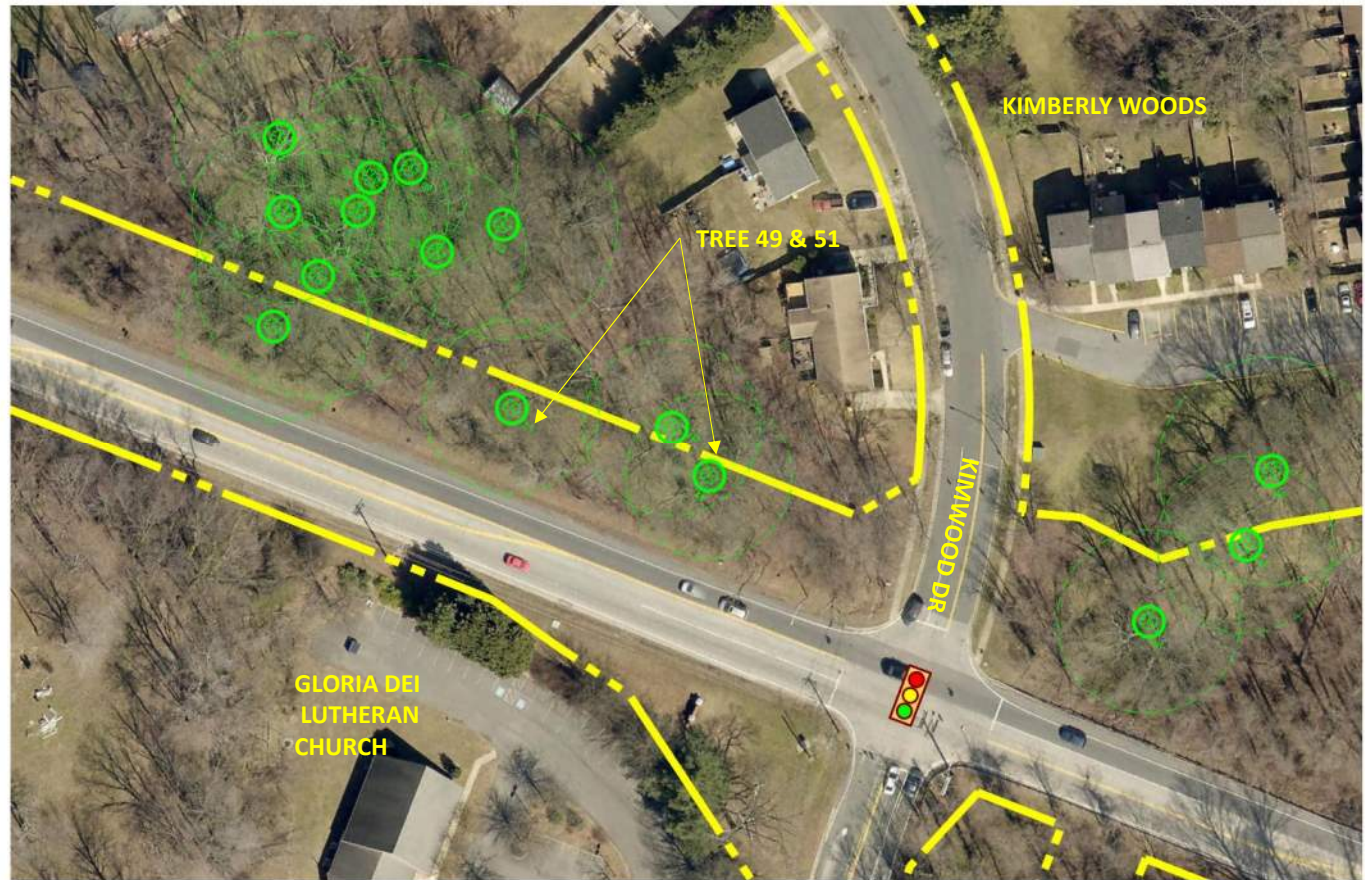


Broadneck Peninsula Trail
Arnold, Maryland
December 3, 2018

Kimwood Drive

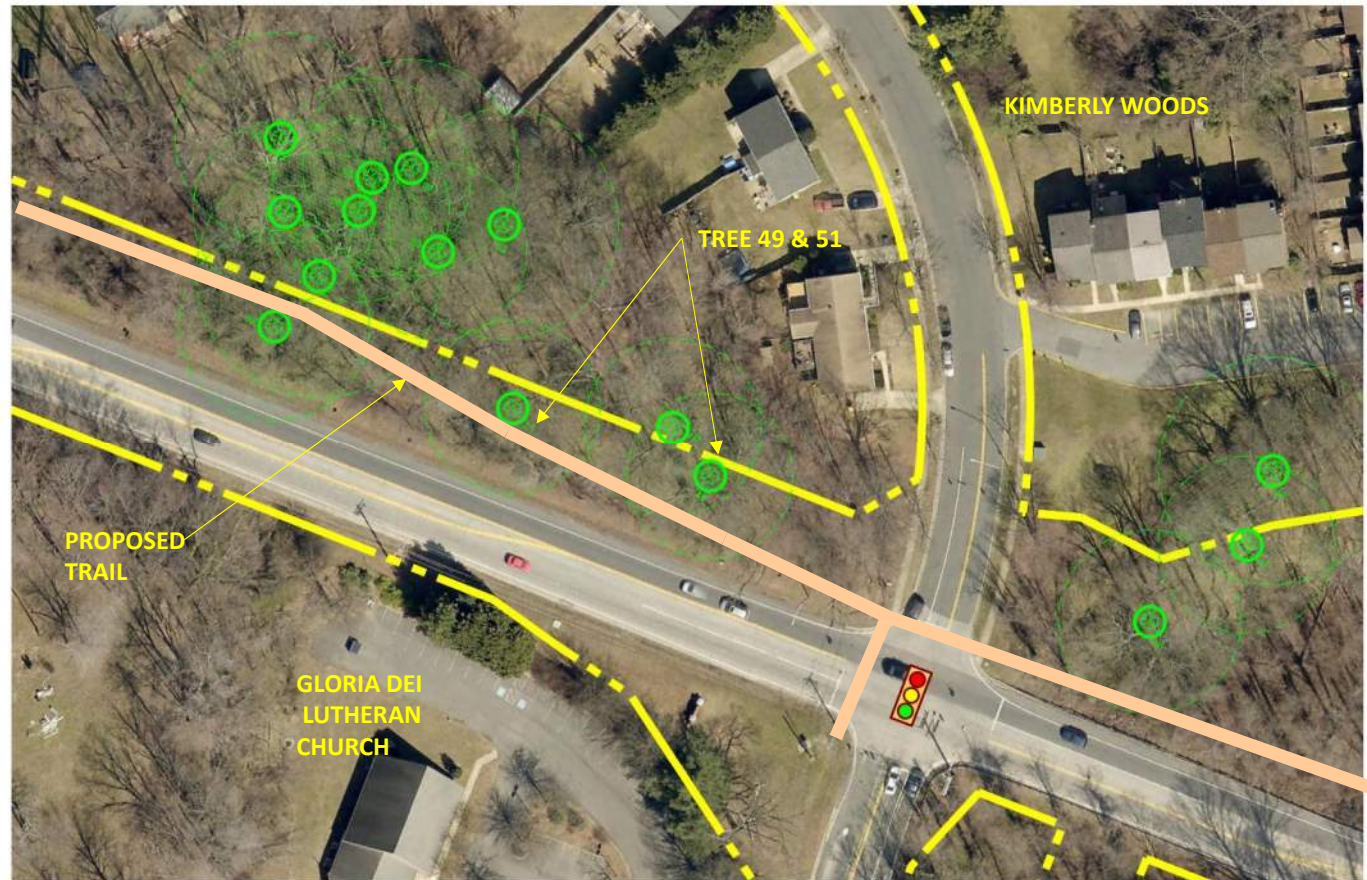


Kimwood Drive



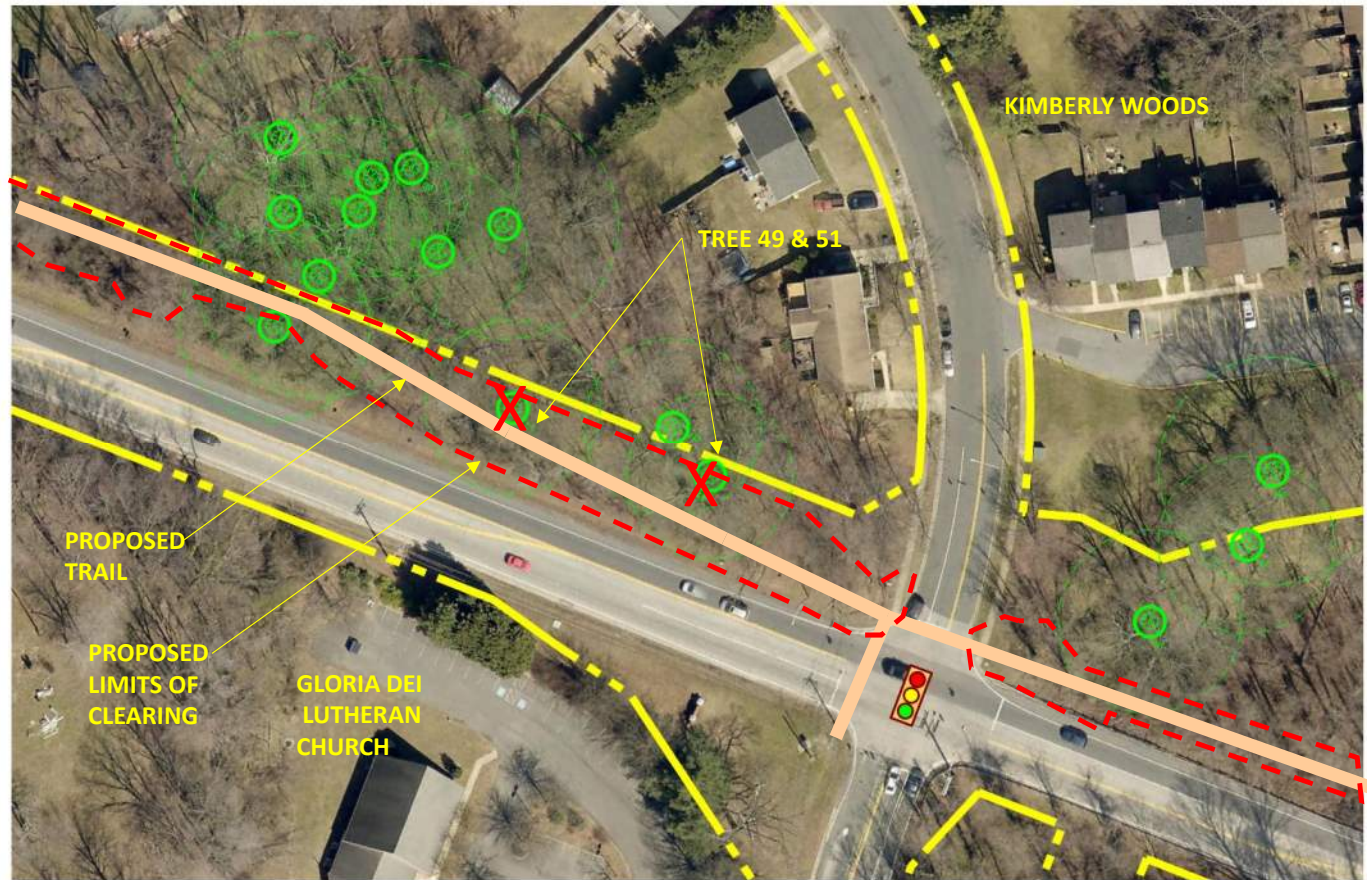
Broadneck Peninsula Trail
Arnold, Maryland
December 3, 2018

Kimwood Drive



Broadneck Peninsula Trail
Arnold, Maryland
December 3, 2018

Kimwood Drive



Broadneck Peninsula Trail
Arnold, Maryland
December 3, 2018

Project Team

Dawn Thomas, CPRP
Capital Project Manager
Department of Recreation and Parks
[410-222-7317, x 3537](tel:410-222-7317)
rpthom00@aacounty.org

Robert M. Fernandez, P. E.
Project Manager
Department of Public Works
[410-222-7938](tel:410-222-7938)
pwfern83@aacounty.org

Consultant: Pennoni Associates, Peter J. Stone, Project Manager

Comments

Website for additional information and to submit online comments:

<https://www.aacounty.org/departments/recreation-parks/parks/trails/broadneck-trail/index.html>

Questions?

Broadneck Peninsula Trail
Arnold, Maryland
February 25, 2019