

GUNNERS LAKE Dam Repair

Public Meeting

March 16, 2023



**DEPARTMENT OF
ENVIRONMENTAL
PROTECTION**
MONTGOMERY COUNTY • MARYLAND

PROJECT TEAM



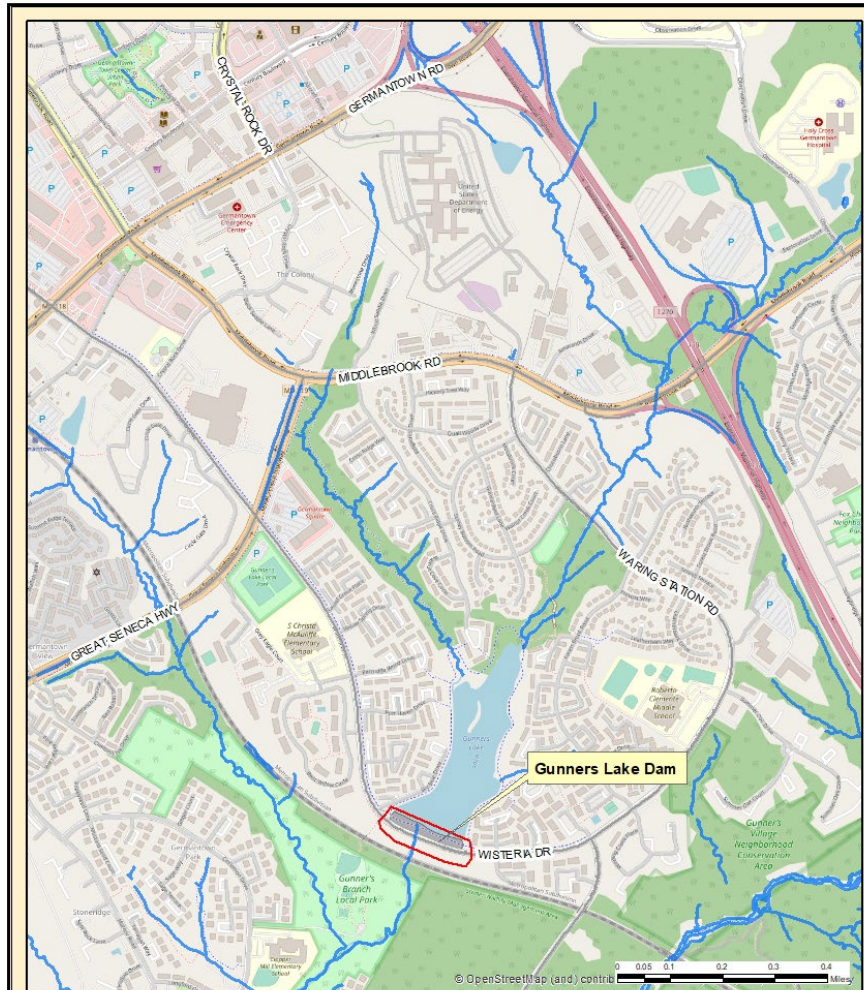
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- Doug Marshall, Montgomery County DEP
- Gene Gopenko, Montgomery County DEP
- Leying Zhang, Montgomery County DEP
- Ryan Thomas, Century Engineering
- Jonathan Genn, Century Engineering

SITE LOCATION



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Gunners Lake Dam



SITE BACKGROUND

Constructed in 1985

Regional SWM Facility

Owner or Affected Communities:

- North Lake Village Federation
- Knolls at North Lake Condominiums

Dam Data:

- Height: 28'
- Length: 1000 LF
- DA: 1,233 Ac.
- Significant Hazard



Photo 1: View of lake from dam

EXISTING CONDITIONS



Photo 2: Upstream limits of Erosion Channel



Photo 3: Upstream limits of Erosion Channel



Photo 4: Middle of Erosion Channel



Photo 5: Downstream limits of Eroded Channel

PROJECT GOALS



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- Meet MDE Dam Safety requirements
- Repair erosion channel
- Prevent future erosion
- Minimize environmental impacts
- Minimize impacts to pedestrians and motorists
- No U/S or D/S hydraulic impacts

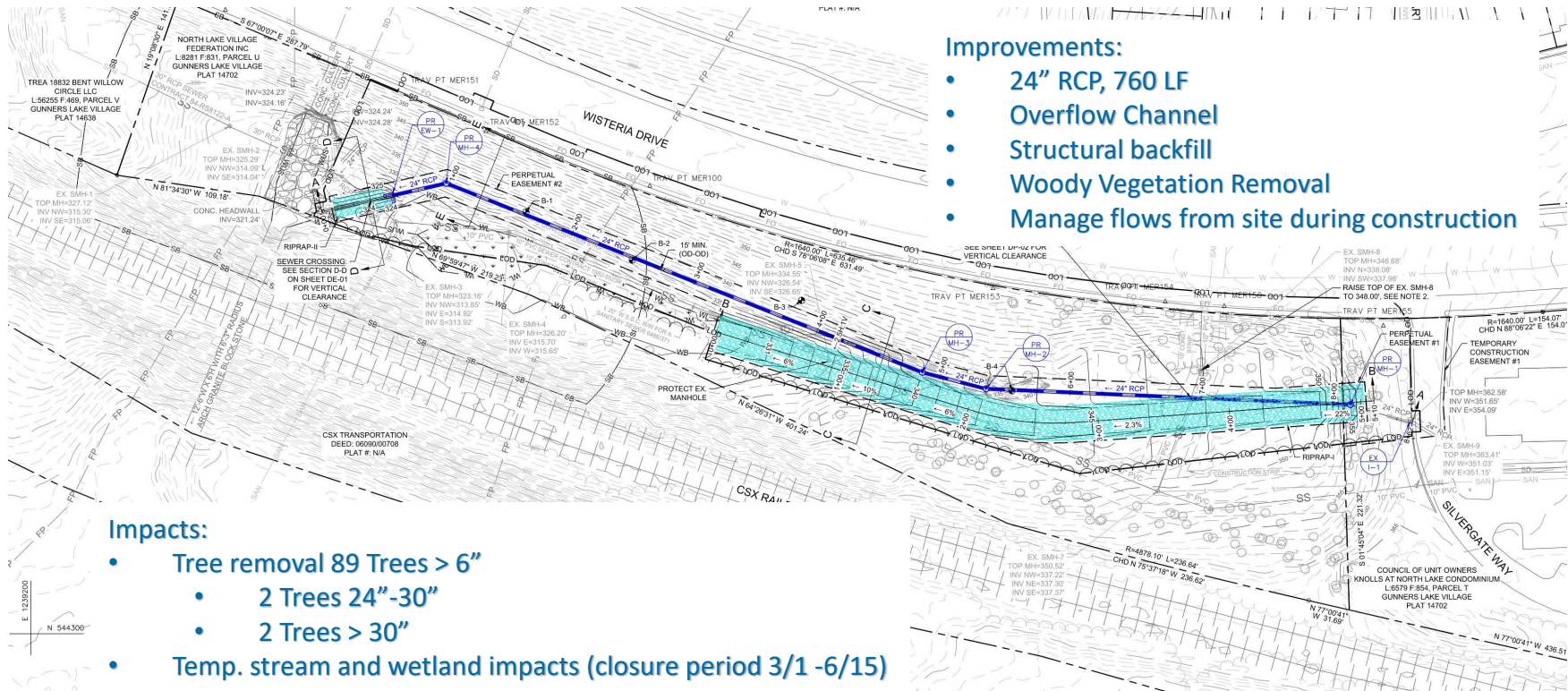


Photo 6: Erosion Channel

PROPOSED PLAN



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Improvements:

- 24" RCP, 760 LF
- Overflow Channel
- Structural backfill
- Woody Vegetation Removal
- Manage flows from site during construction

Impacts:

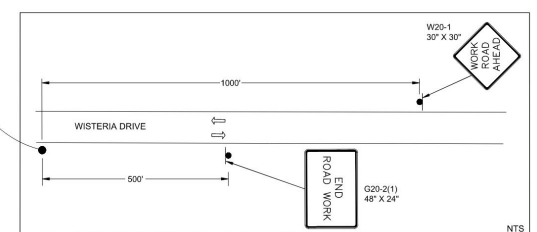
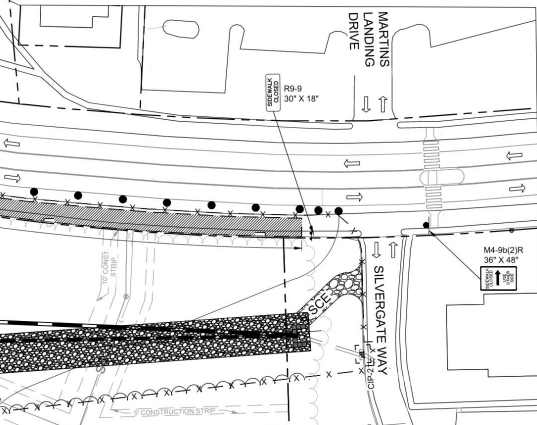
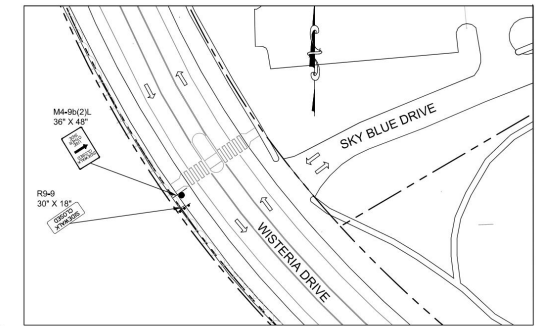
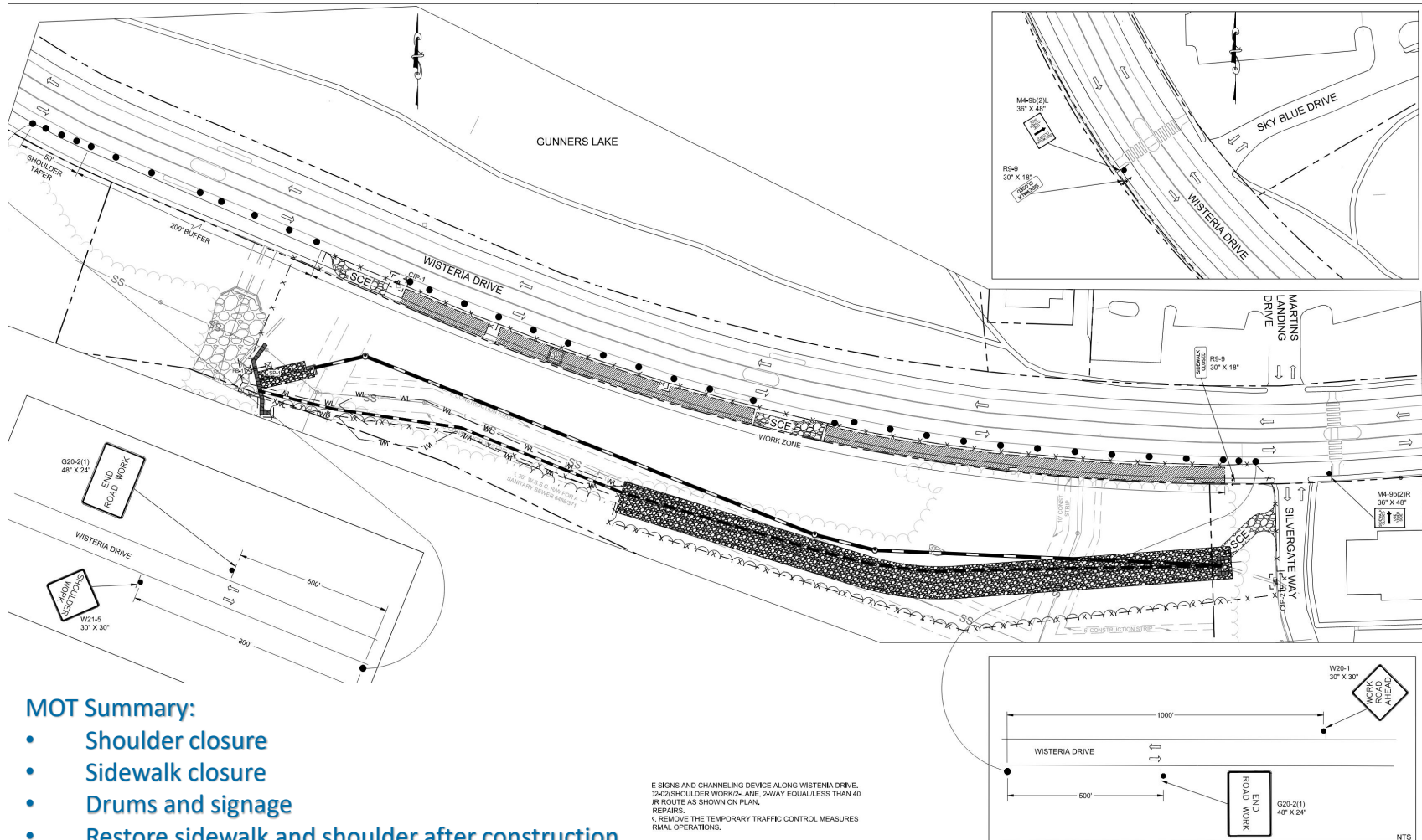
- Tree removal 89 Trees > 6"
 - 2 Trees 24"-30"
 - 2 Trees > 30"
- Temp. stream and wetland impacts (closure period 3/1 -6/15)

Proposed Drainage and Grading Plan

PROPOSED MOT PLAN



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MOT Summary:

- Shoulder closure
- Sidewalk closure
- Drums and signage
- Restore sidewalk and shoulder after construction

E SIGNS AND CHANNELING DEVICE ALONG WISTERIA DRIVE.
24-02(SHOULDER WORK/2-LANE, 2-WAY EQUAL/LESS THAN 40
JR ROUTE AS SHOWN ON PLAN.
REPAIRS.
< REMOVE THE TEMPORARY TRAFFIC CONTROL MEASURES
RIMAL OPERATIONS.

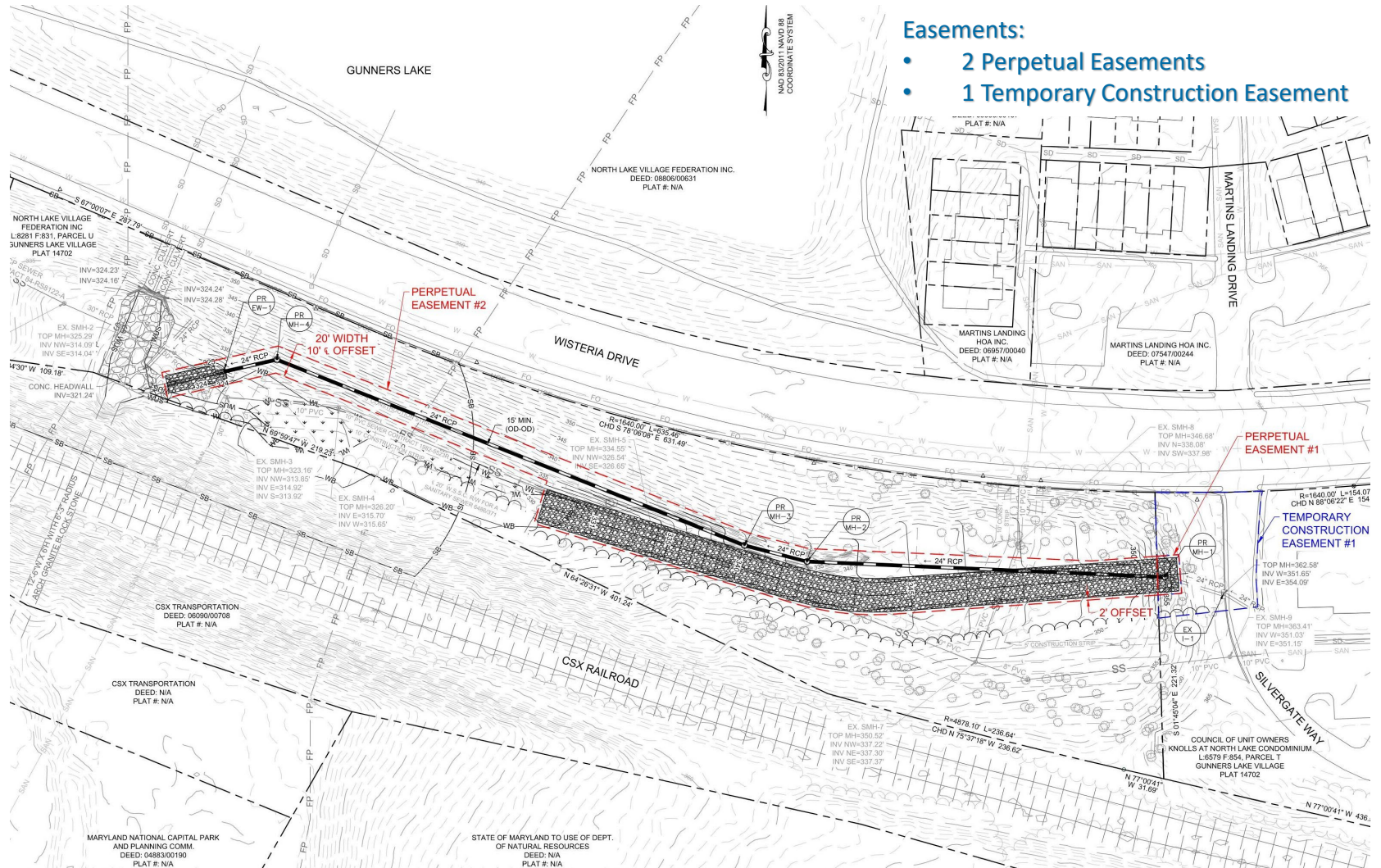
PROPOSED EASEMENTS



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Easements:

- 2 Perpetual Easements
- 1 Temporary Construction Easement



NEXT STEPS / PROJECT SCHEDULE



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- Update plans per agency and public comments
- Execute easements on two properties; 1.) North Lake Federation, Inc. and 2.) Knolls at North Lake Condominiums: **April 2023**
- Approved plans: **June 2023**
- Award: **September 2023**
- Construction Substantial Completion: **January 2024**

Questions?

Contact: Doug Marshall

Project Planner, DEP

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240-882-6224

Or

The Project Webpage At:

<https://www.montgomerycountymd.gov/water/restoration/Gunners-Lake-Erosion-repair.html>



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