



— *Making a difference, together* —

Heritage Harbour Water Pressure Subzone Elevated Water Storage Tank

Public Information Meeting
MARCH 25, 2025



DPWandYOU.com

Introduction

- Anne Arundel County Department of Public Works
Christopher Murphy, P.E., Engineer Administrator
Teri Winslow, Outreach Coordinator
Eddie Cope, DPW Water Ops Representative
Michael Stroud, P.E., Project Manager
John Groeger, P.E., Project Manager
- Design Consultant – Hazen & Sawyer
Moalie Jose, P.E., Senior Associate
Christine Roa, Assistant Engineer



Hazen

Meeting Purpose

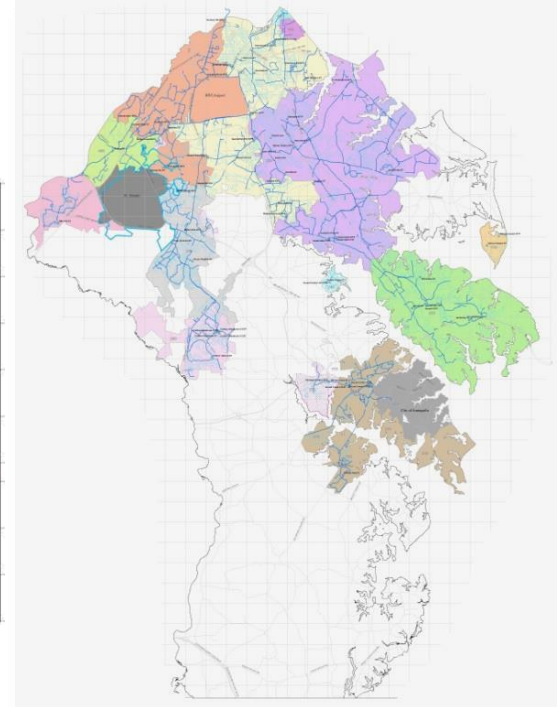
- Increase community awareness of the project
- Provide project overview
- Respond to questions

Capital Improvement Project Background

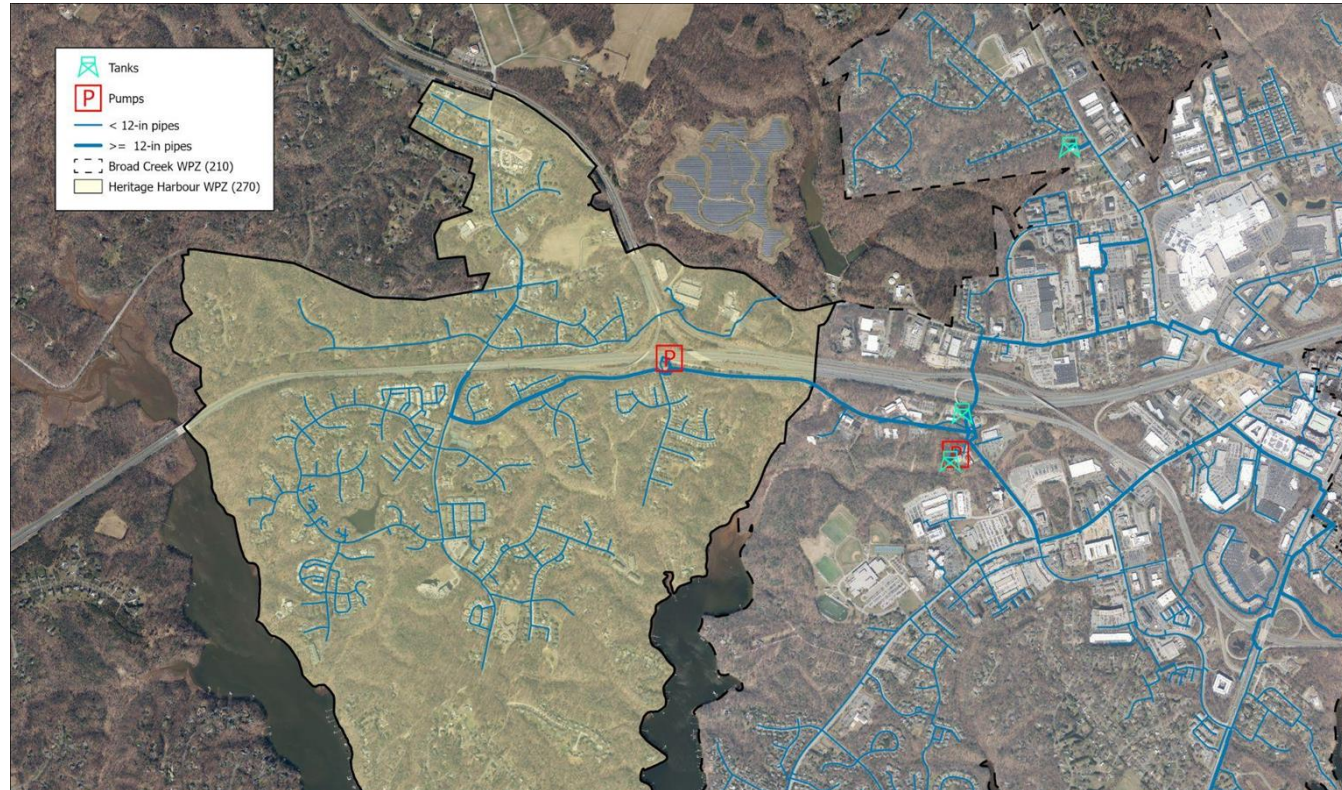
W799600 - Elevated Water Storage

- Project started in 2005, 5 tanks have been constructed throughout the County and 3 more are in permitting or planned.

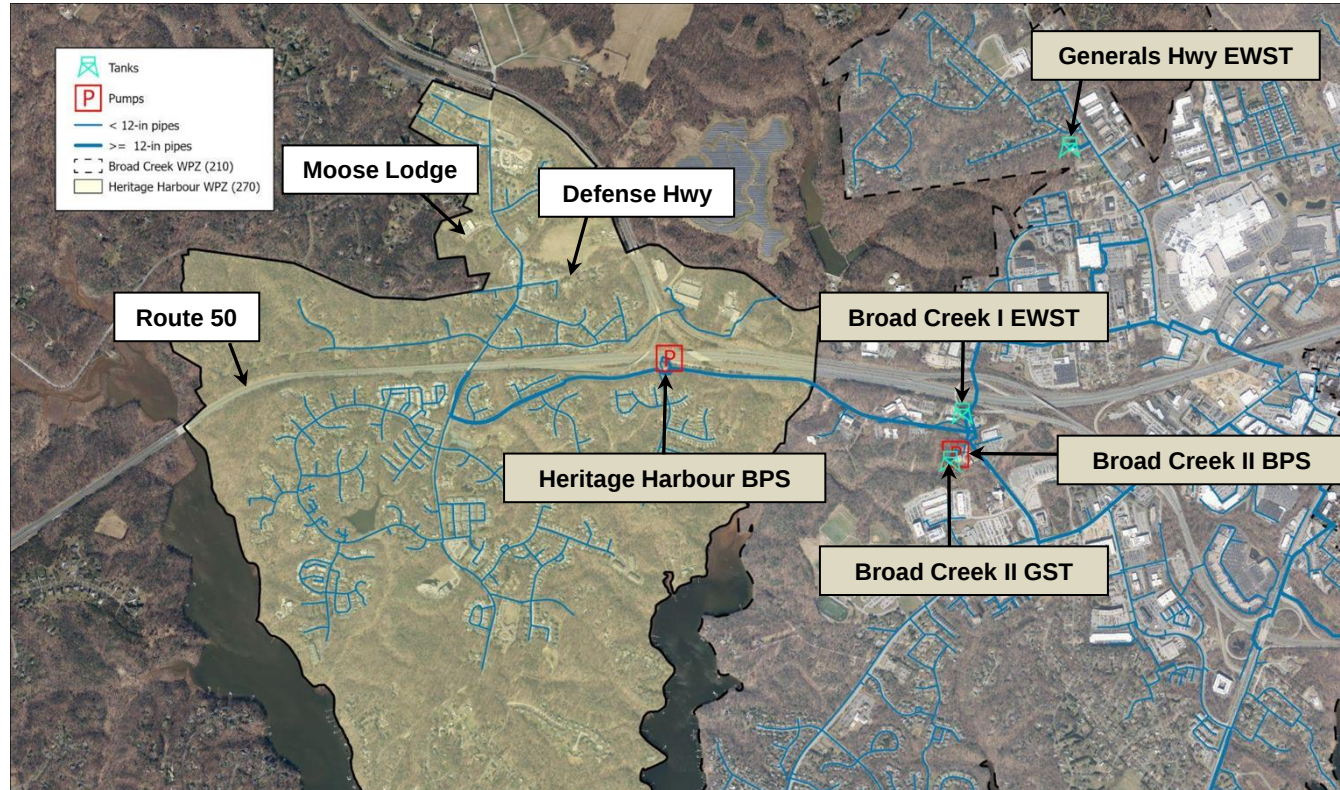
WPZ	Tank Type / Size	Phase
220 Broadneck/Glen Burnie Low	Composite / 2MG	Completed 2012
400 Jessup	Composite / 2MG	Completed 2012
290 Crofton	Composite / 2MG	Completed 2015
210 Broad Creek	Composite / 2MG	Completed 2017
220 Broadneck/Glen Burnie Low	Composite / 2MG	Completed 2018
369 Maryland City	TBD / 2MG	Permitting
295 Glen Burnie High	TBD / 2MG	Permitting
270 Heritage Harbour	TBD / 1MG	Planning



Heritage Harbour Water Pressure Subzone



Heritage Harbour Water Pressure Subzone

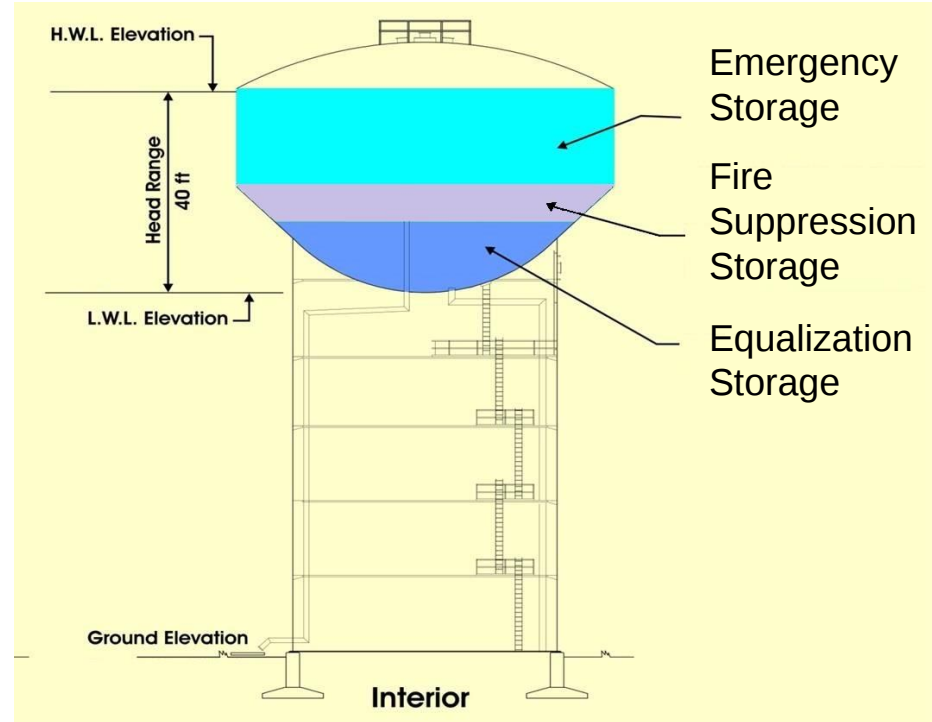


Need for a New 1.0 Million Gallon Elevated Water Storage Tank

- Included in the 2022 Anne Arundel County Water and Wastewater Master Plan
<https://www.aacounty.org/planning-and-zoning/countywide-planning/water-sewer-master-plan>
- Heritage Harbour Water Booster Pump Station (BPS)
- Balance the Water Pressure Subzone (WPZ)
- Water Supply Reliability and Redundancy
- Storage

Benefits of Elevated Water Storage Tanks

- EMERGENCY STORAGE
 - Provides water during power outages, water main breaks, system shut-down
- FIRE STORAGE
 - Provides water for fire fighting beyond the capacity of the treatment plant
- EQUALIZATION
 - Provides for the difference between treatment plant's capacity (maximum day) and hourly demands in morning and night

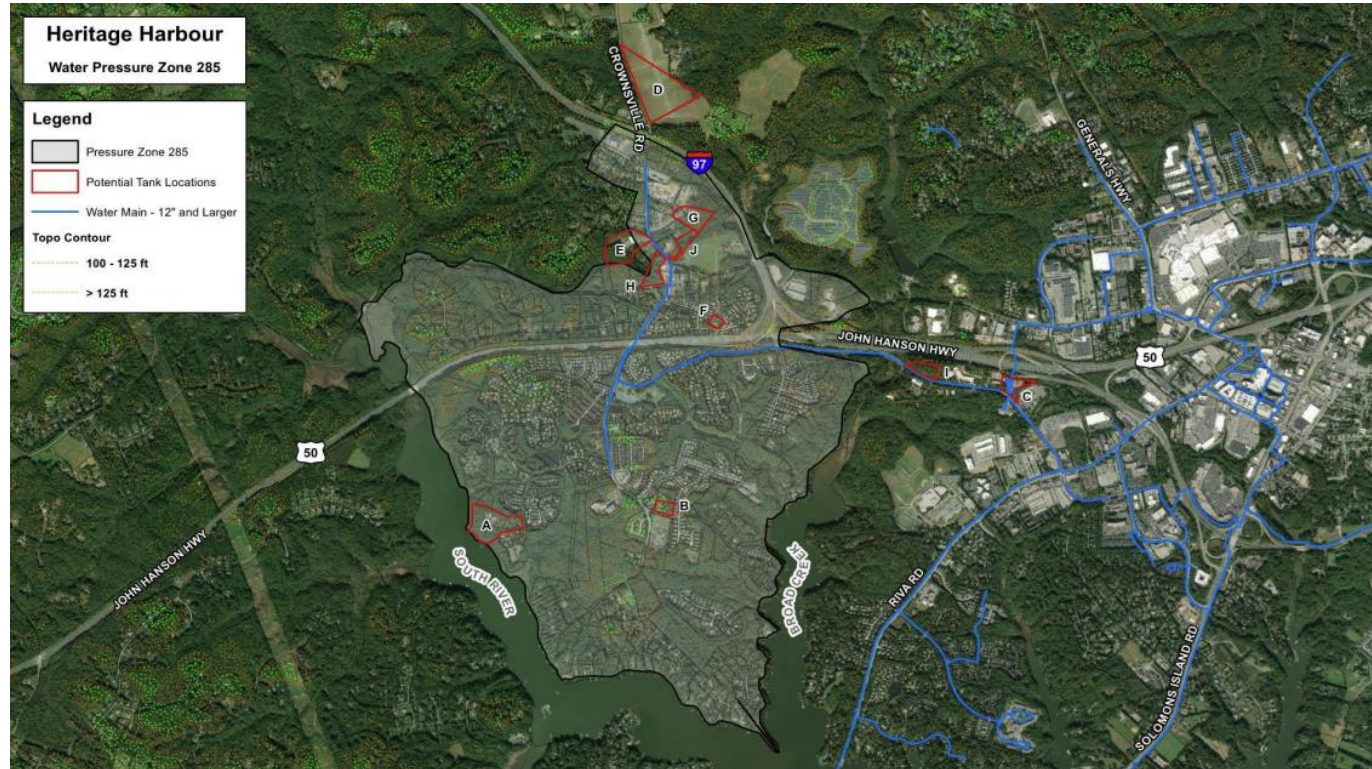


Siting Criteria

- Ground Surface Elevation
- Proximity to Existing Water Main
- Site Size (2 acres) / Zoning
- Accessibility
- Historical or Archeological Property Impacts
- Land Planning
- Environmental Impacts
- Proximity to Airports
- Construction/Capital
- Balance the Water Pressure Zone (WPZ)
- Site Terrain

Potential Tank Sites Evaluated (2013-2023)

Sites Evaluated: 10



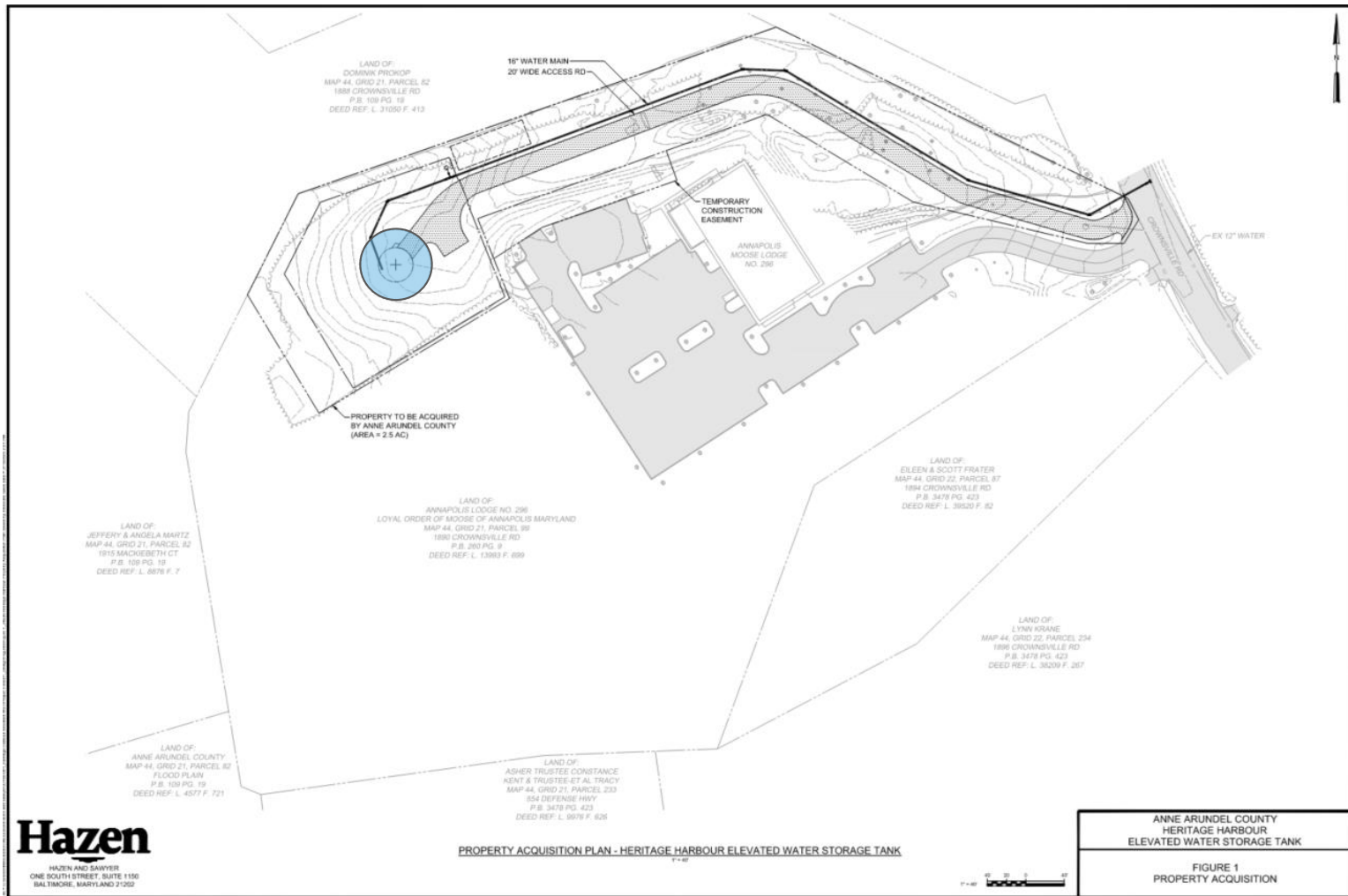
Hazen

HAZEN AND SAWYER
ONE SOUTH STREET, SUITE 1150
BALTIMORE, MARYLAND 21202

PROPERTY ACQUISITION PLAN - HERITAGE HARBOUR ELEVATED WATER STORAGE TANK

ANNE ARUNDEL COUNTY
HERITAGE HARBOUR
ELEVATED WATER STORAGE TANK

FIGURE 1
PROPERTY ACQUISITION





Elevated Water Storage Tank Styles



Composite



Fluted Column

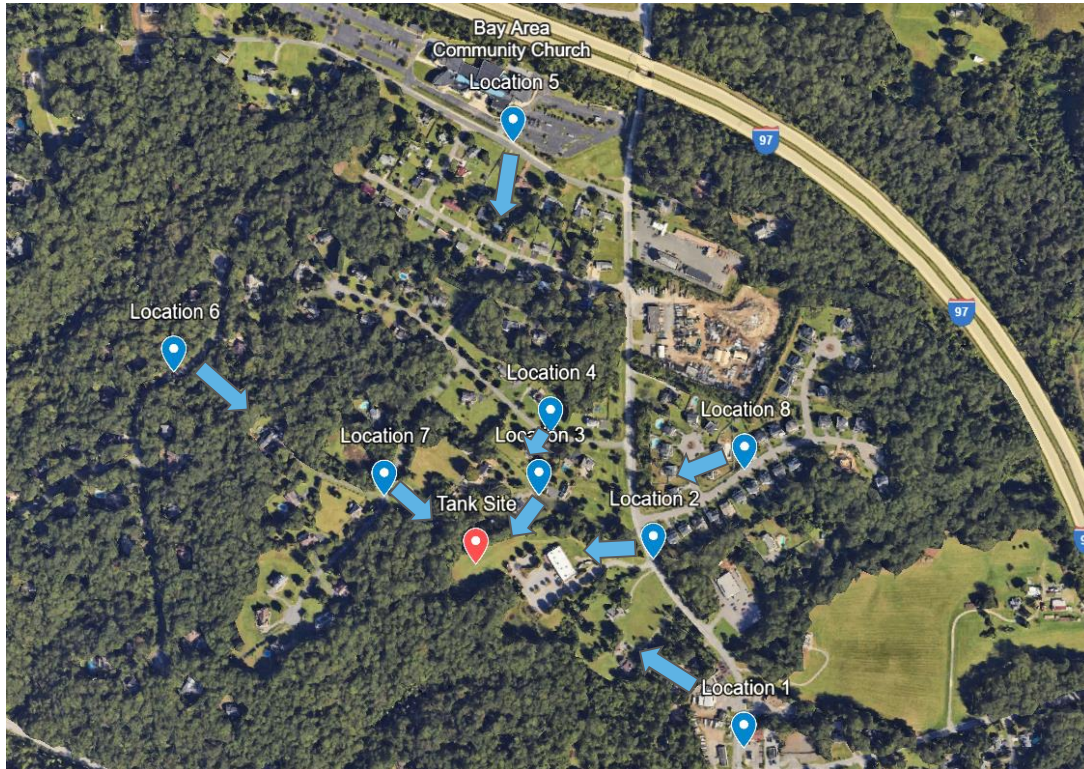
Design Features

- Landscaping
 - Plantings / screening
 - Plant warranty
- Security
 - Perimeter fence
 - Vehicle access gate
- Mitigation of Construction Impacts

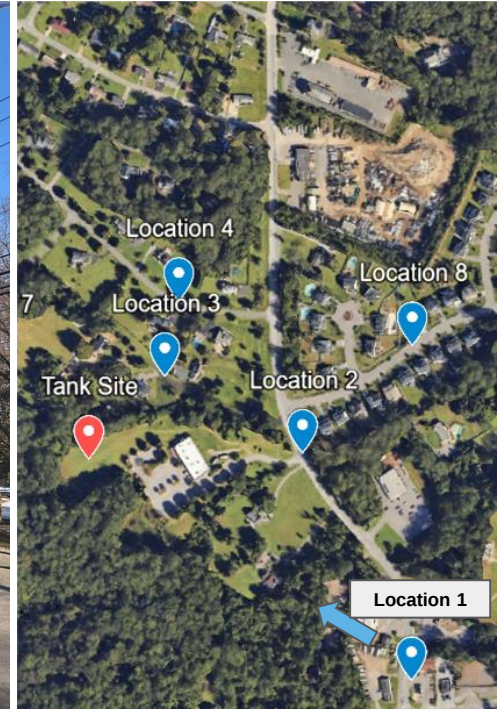


* Generals Highway 2MG EWST, Completed in 2017

Area Site Map (for Visual Impacts Assessment)



Location 1: Crownsville Rd and Defense Highway



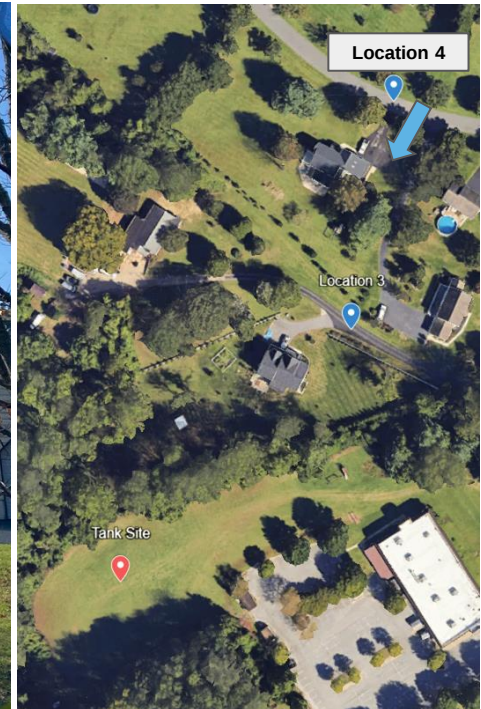
Location 2: Crownsville Rd



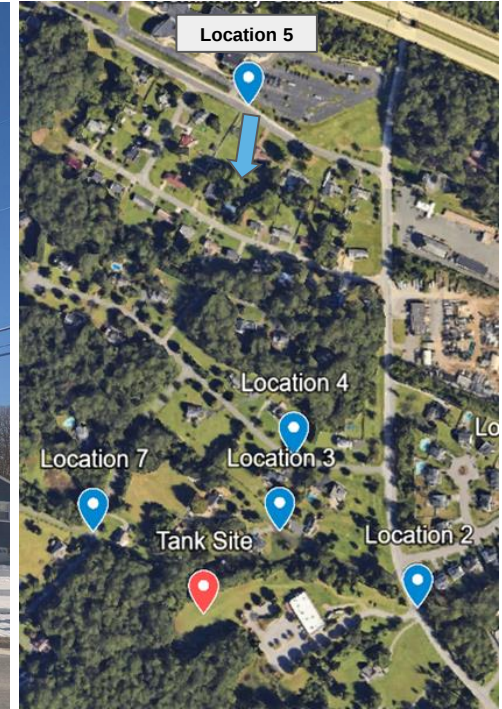
Location 3: Access Road off Crownsville Rd



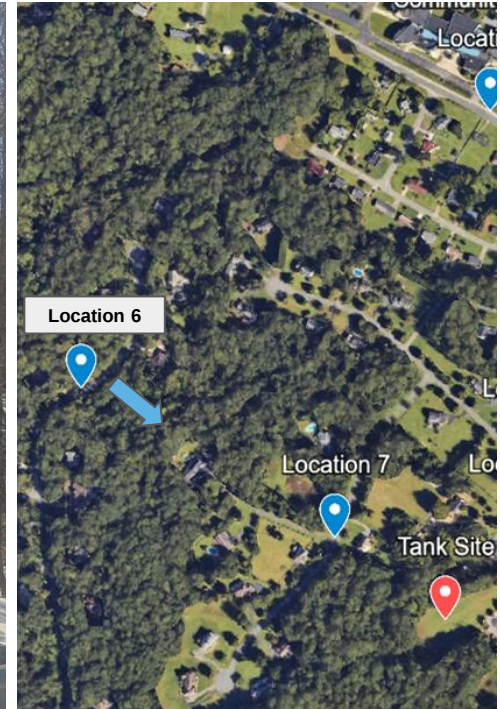
Location 4: Kansala Dr



Location 5: Chesterfield Rd



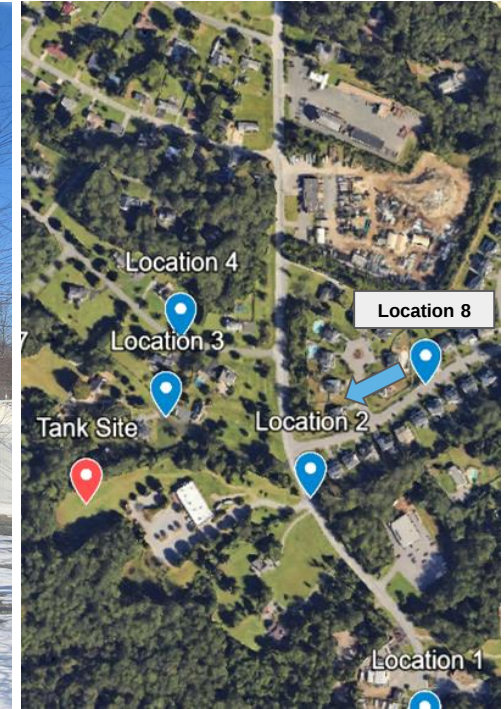
Location 6: Pump Handle Ct



Location 7: Mackiebeth Ct



Location 8: Ashers Farm Rd



Overall Project Schedule (Estimated)

Activity	Duration	Completion
Complete Property Acquisition:	3 Months	July 2025
Design & Permitting:	14 Months	June 2026
Bid and Award:	4 Months	Nov 2026
Construction:	18 Months	May 2028

* Property acquisition and design can run concurrently

Contact Information

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Anne Arundel County, DPW Website: www.aacounty.org/dpw

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DPW & 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 Engineering

General Inquiries: (410) 222-7500



Bureau of Highways

General Inquiries: (410) 222-7321

Snow Line: (410) 222-4040

Email: hwyscustomercare@aacounty.org



Bureau of Watershed Protection and Restoration

General Inquiries: (410) 222-4240

Customer Relations

General Inquiries: (410) 222-7582

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