



Rushern L. Baker, III
County Executive



Darrell B. Mobley
Director

Allison Street Flood Protection System Certification Project

February 27, 2018





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Presentation Overview



- Existing Allison Street Levee
- Levee Certification Program
- Allison Street Levee Certification Work
 - Levee System Raising and Extension
 - Allison Street Pumping Station Rehabilitation
 - 34th Street Bridge Replacement
- Project Schedule
- Arundel Road Green Street Project



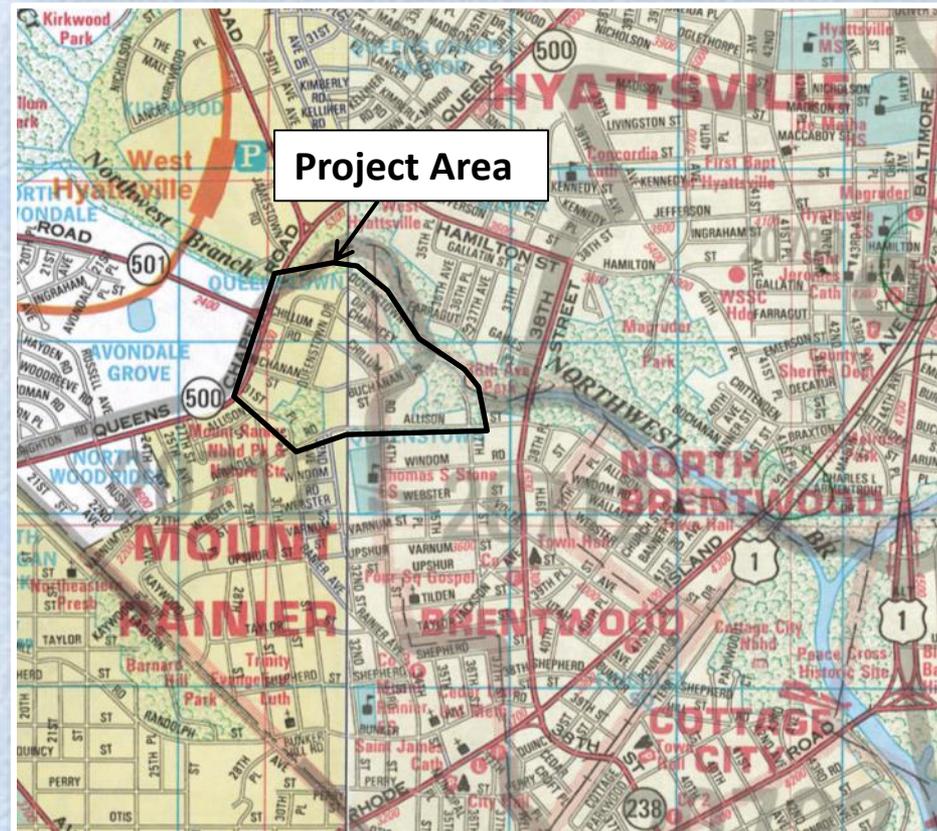
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Allison Street Levee

- **Constructed by the Washington Suburban Sanitary Commission (WSSC) in the 1980s**
- **An extension of the US Army Corps of Engineers (USACE) Anacostia Levee System, constructed in the 1950's**
- **Certification of the Anacostia Levee System is completed.**





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Existing Allison Street Levee System



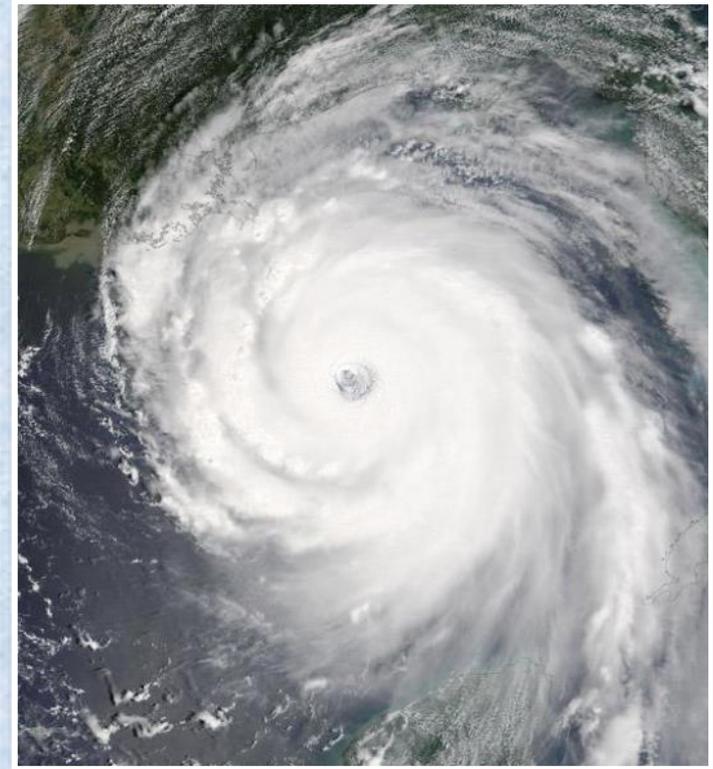
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Levee Certification Program

- **Following the disastrous impacts of Hurricane Katrina in 2005, the USACE initiated a nationwide evaluation of levee systems**
- **Code of Federal Register 44-65.10 requires that a levee accredited by FEMA and shown on a Flood Insurance Rate Map (FIRM) be certified by a Professional Engineer or a Federal Agency**
- **Prince George's County Evaluation Report, October 2010, identified work elements required on the Allison Street Levee System to meet 44 CFR 65.10 and be certified**





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- **Improvements will be implemented/constructed by the County:**
 - Department of the Environment (DoE)
 - Department of Public Works and Transportation (DPW&T)
- **Upon Allison Street Levee Certification:**
 - FEMA recommends that property owners review flood insurance requirements with their private insurer when the “seclusion” area is revised on the FEMA maps
 - Additionally the levee will be eligible for inspections under the USACE Rehabilitation and Inspection Program



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What does this mean to you?

- **The Allison Street North and Allison Street South Levee Systems do not meet the requirements in the National Flood Insurance Program (NFIP) regulations related to a levee system's capacity to provide 1-percent-annual-chance flood protection. This project's intent is that the levees will be eligible for accreditation upon the project completion.**
- **FEMA has mapped the areas behind these levee systems using a process called "seclusion" mapping which includes map notes explaining that these flood hazards will be updated later when updated levee analysis and mapping is applied.**

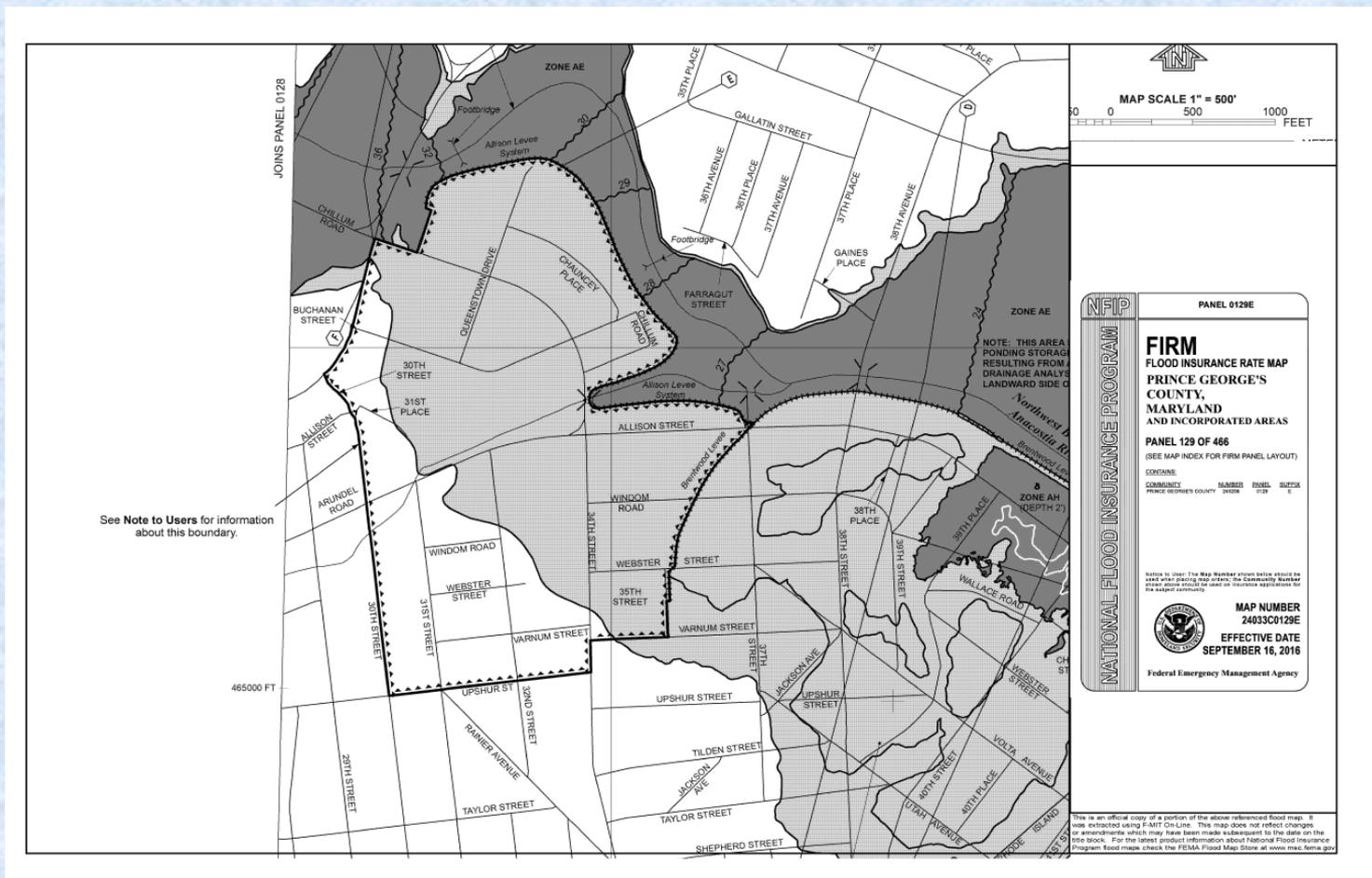


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What does this mean to you?





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Certification Projects Overview

Improvements to obtain certification include:

- **Levee System**

- Raise system embankments and walls
- Extend levee system at 31st Street and Chillum Road

- **Rehabilitate Allison Street**

- **Replace 34th Street Bridge**

- **Pumping Station-Completed**





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Levee Raising Requirements





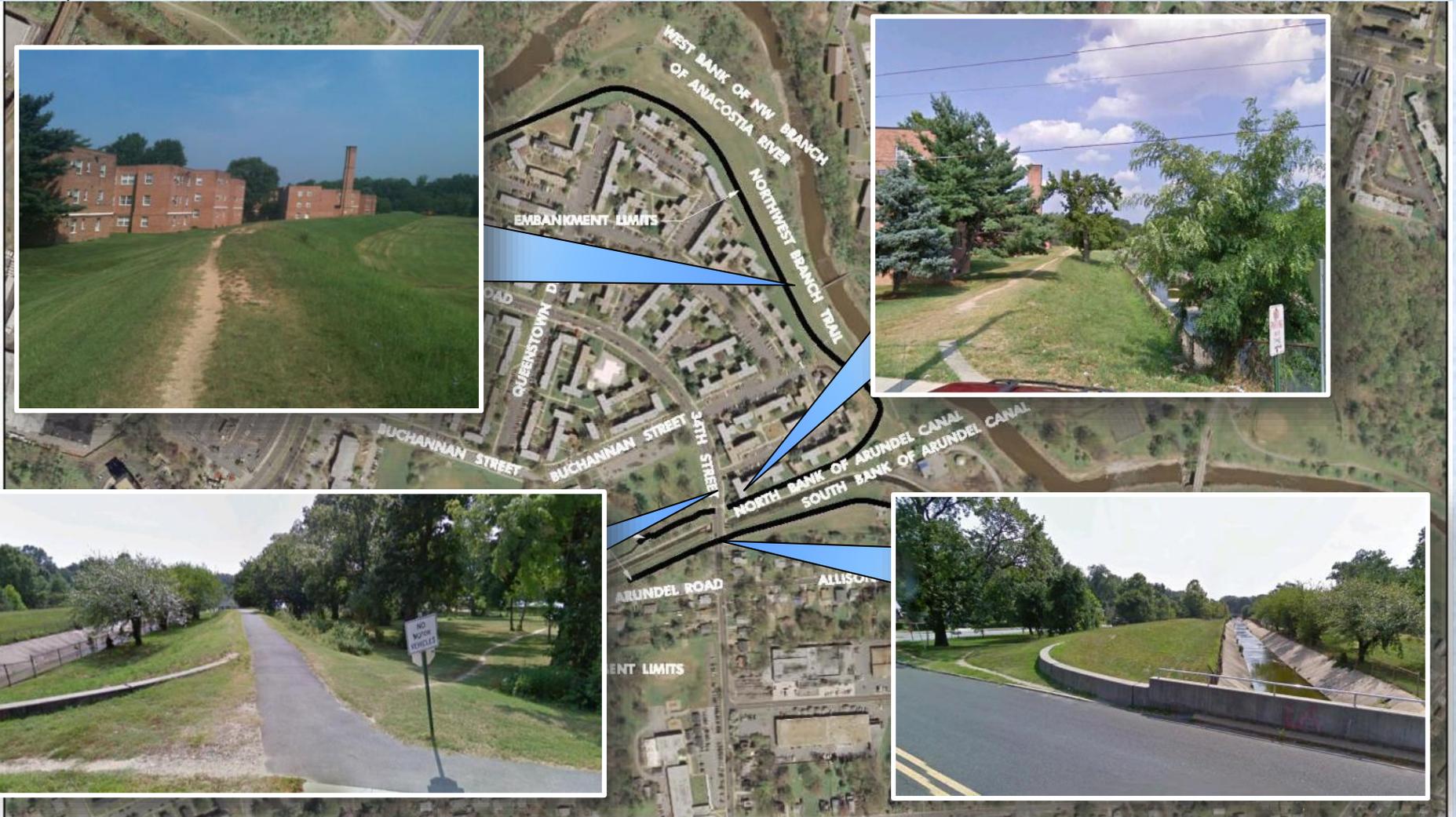
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Raise Levee Embankments



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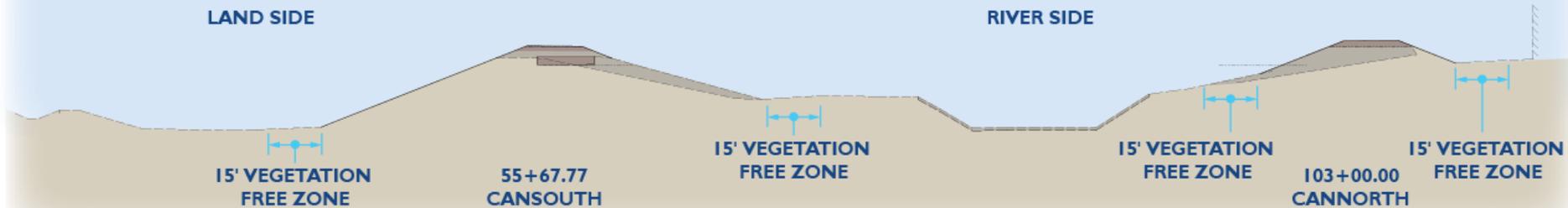


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Raise Levee Embankments



**Where required, embankments
will be raised 0.5 feet to 3 feet**

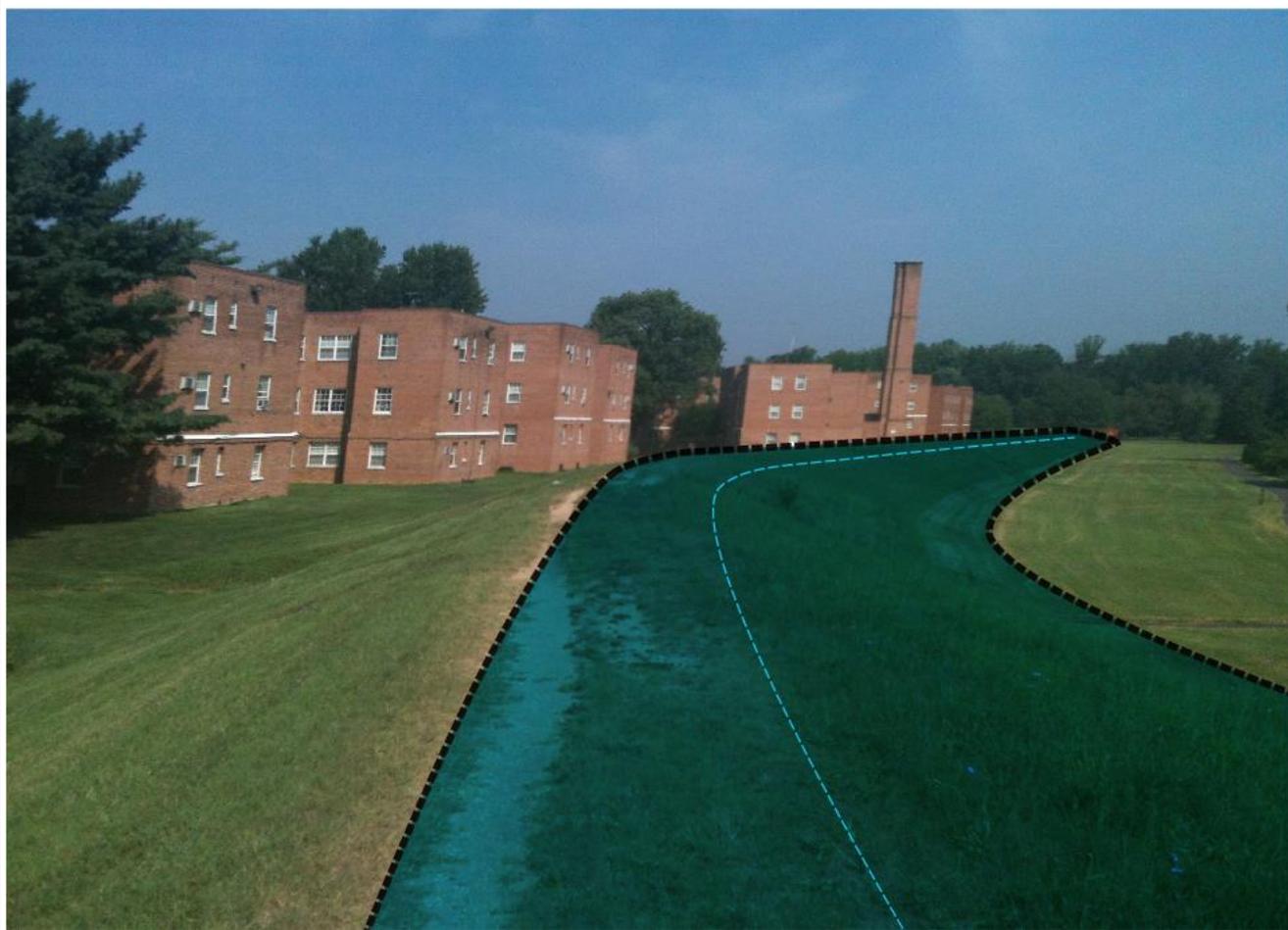


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Raise Levee Embankments



Raise Levee Walls

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Raise Levee Walls





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North Bank



Extend Levee – 31st Street

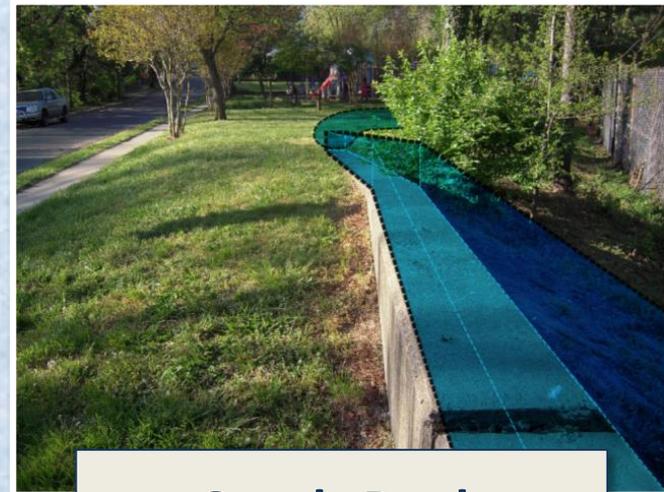


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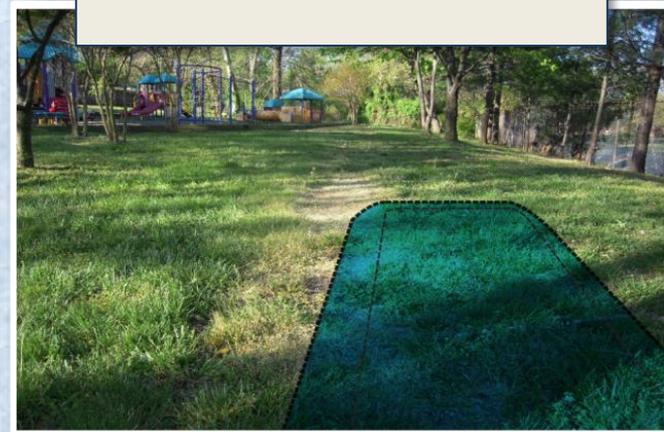


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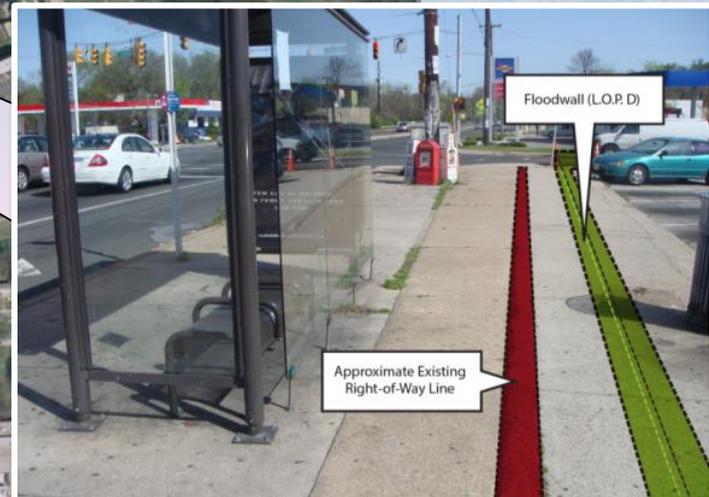
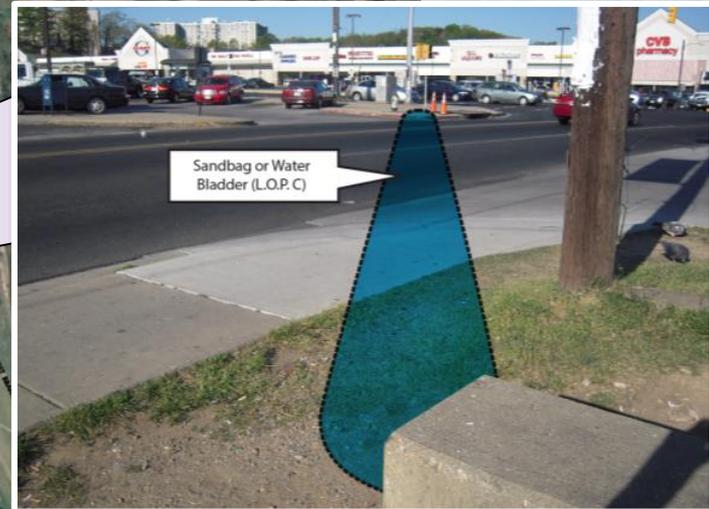
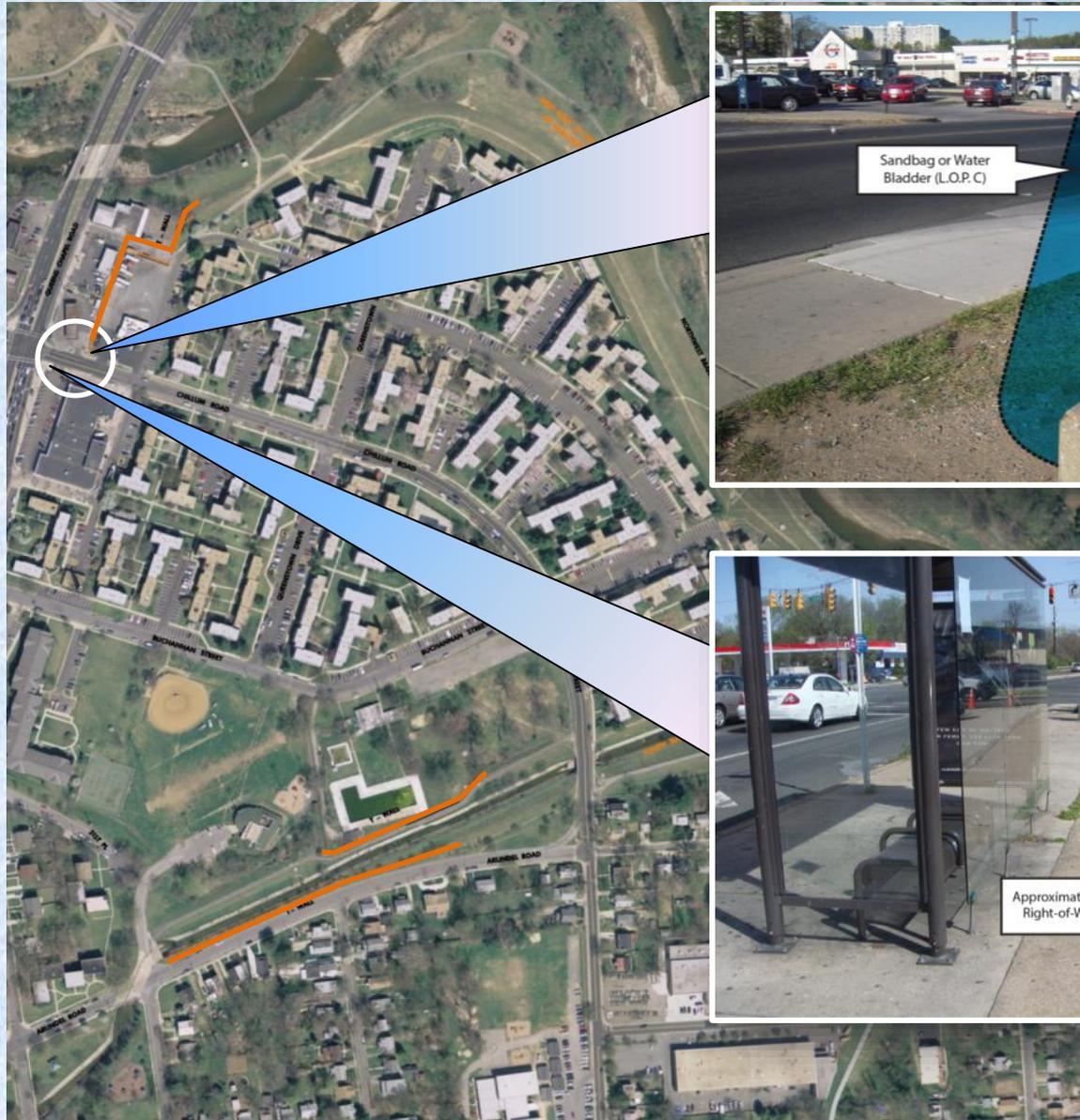
Extend Levee – 31st Street



South Bank



Extend Levee – Chillum Road





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Rehabilitate Allison Street Pumping Station



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Rehabilitate Allison Street Pumping Station

- Pumping station located at 3400 Chillum Road
- Constructed in mid-1980s, mostly original equipment
- Purpose of pumping station is to move interior drainage to channel area
- Rehabilitation includes:
 - Replacement of pump
 - Update electrical, mechanical and ventilation systems
 - Install new exterior generator
 - Repair exterior concrete





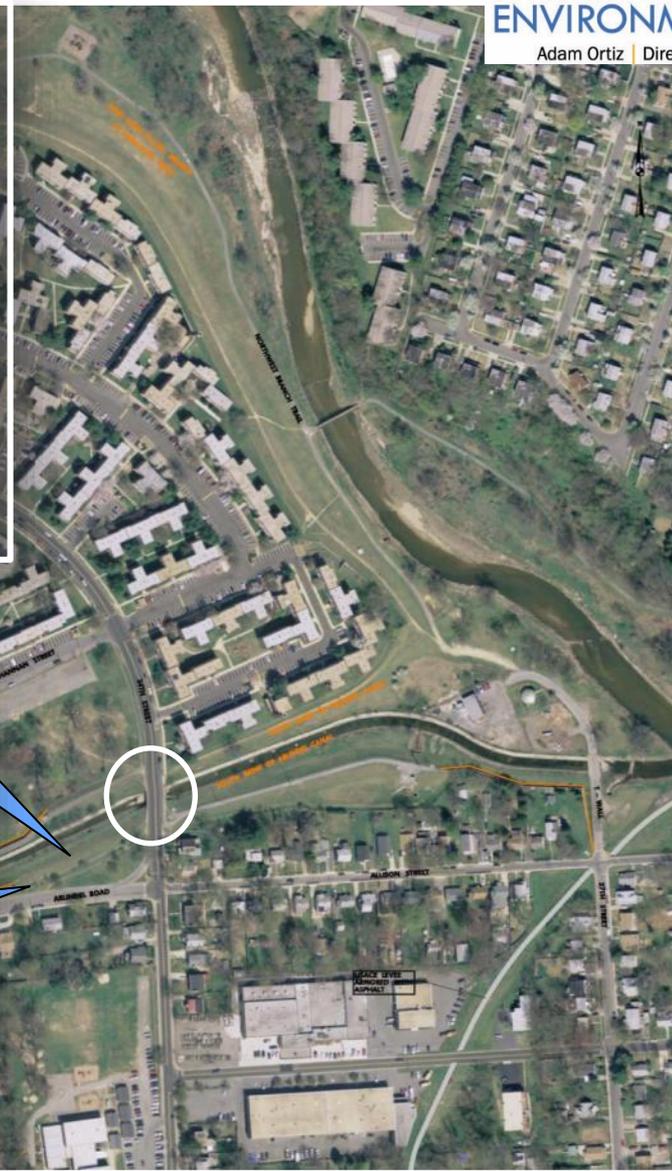
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Replace 34th Street Bridge

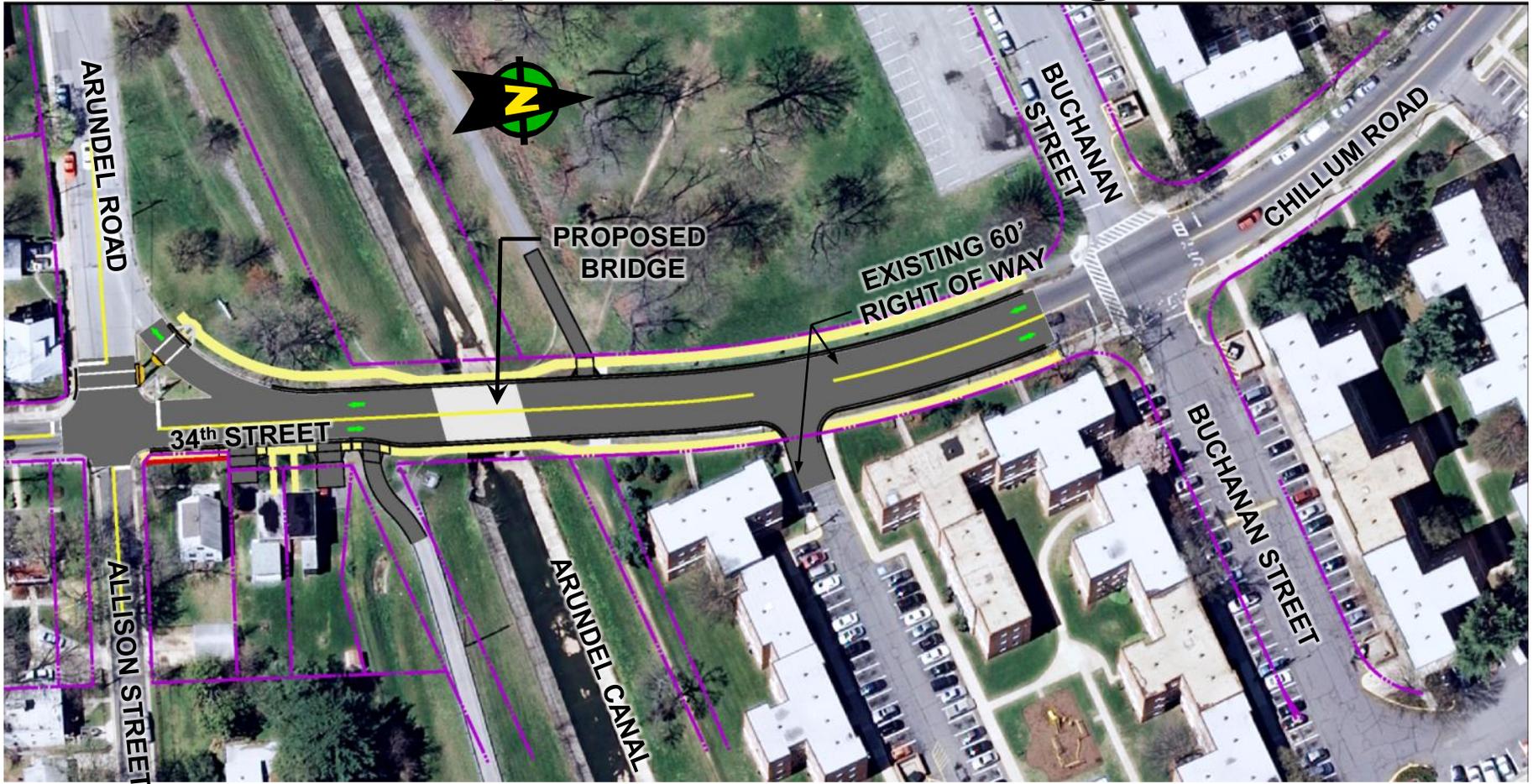


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Replace 34th Street Bridge



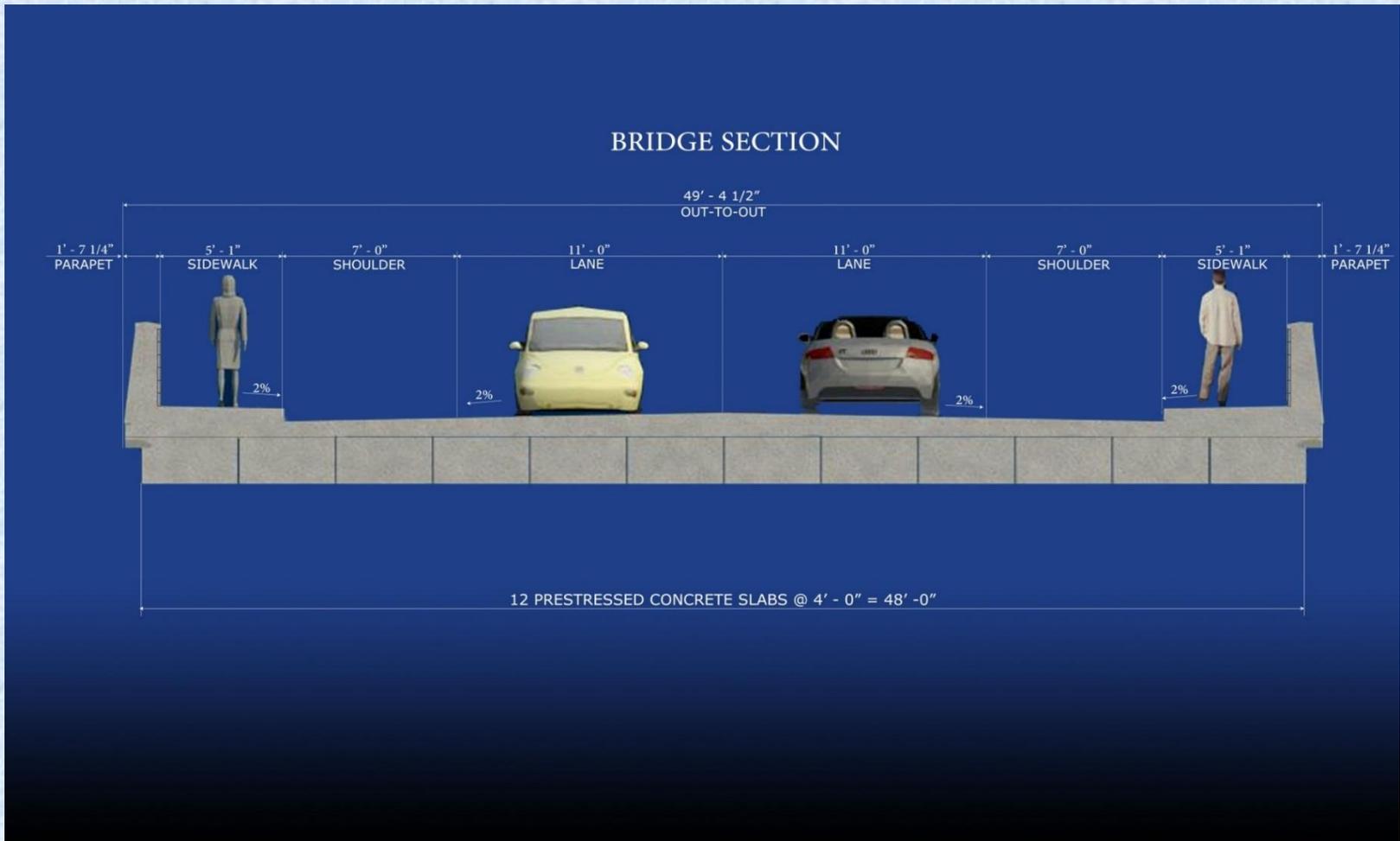
Proposed Improvements



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Replace 34th Street Bridge



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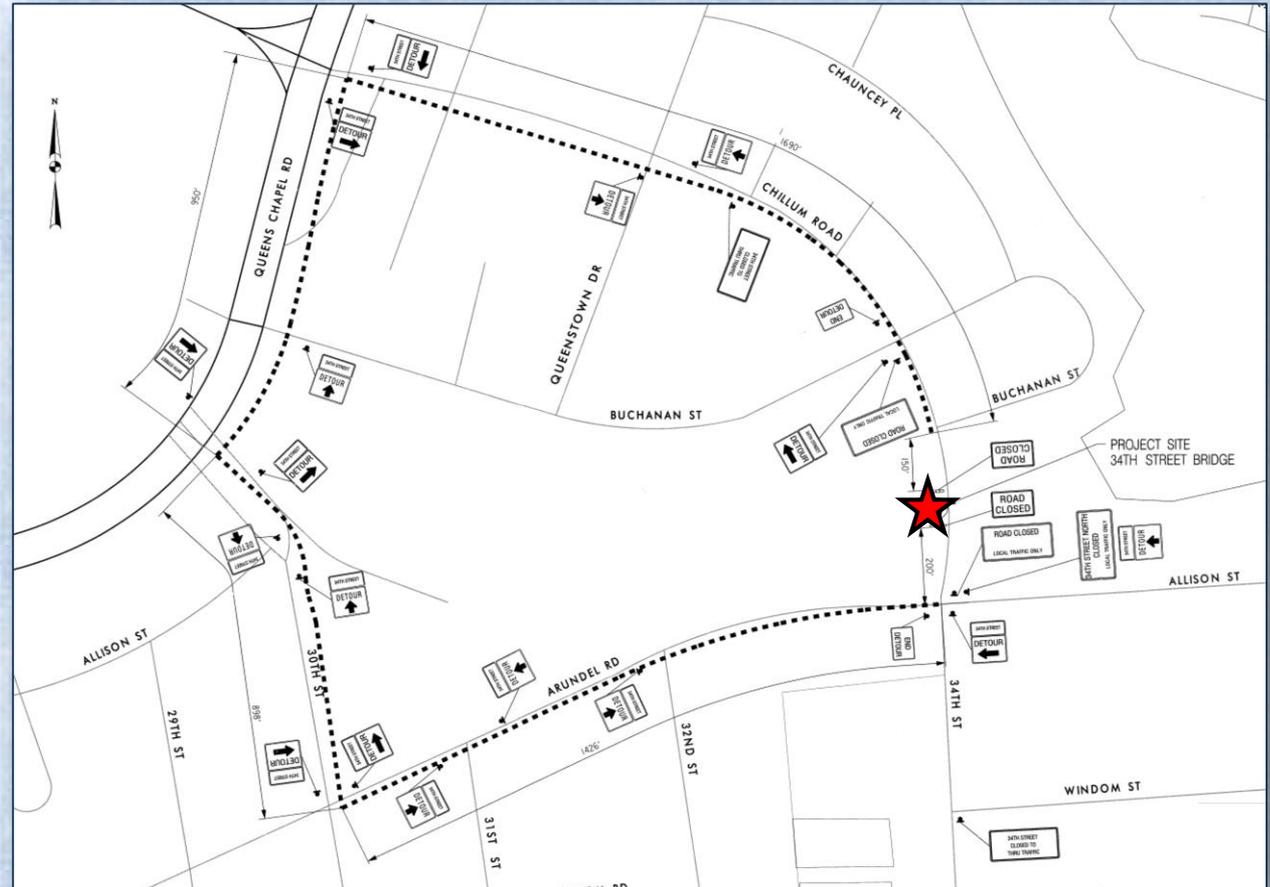


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Replace 34th Street Bridge

Traffic Impacts

- Vehicles will be detoured during construction
- Pedestrian access will be maintained





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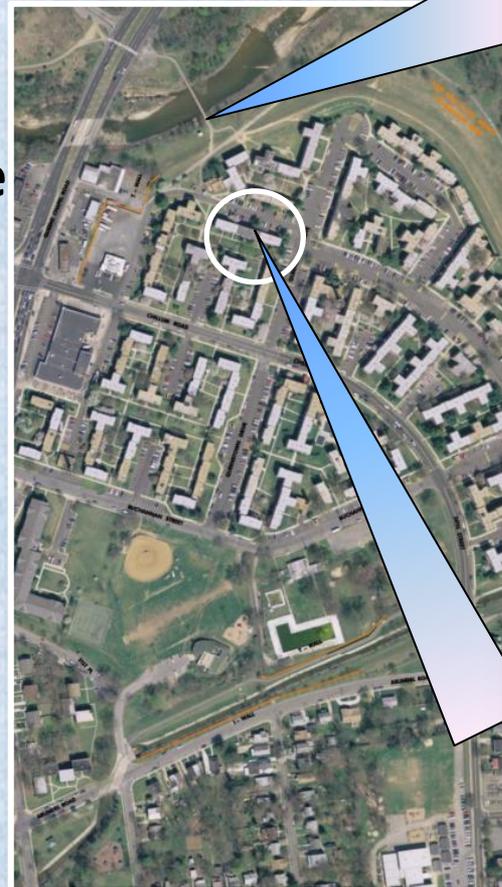
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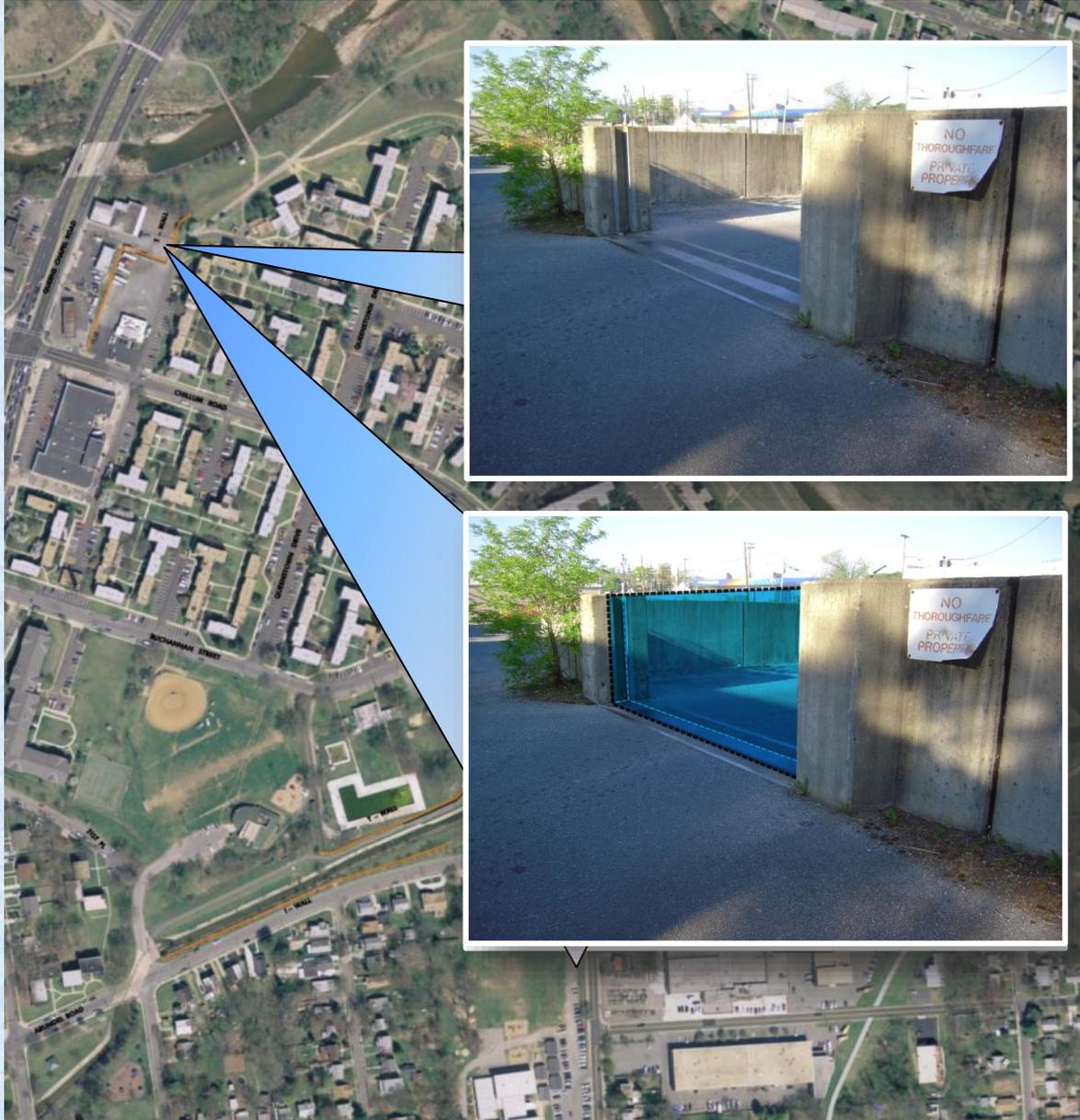
Metro Pedestrian Access

- Current dirt pathways to be consolidated
- County has work with the community, town, M-NCPPC and Queenstown Apartments and has develop access plan



Additional Elements/Considerations

Additional Elements/Considerations



- Wall to be closed
- County will work with the community, town, property owner, and emergency services on the closure



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Vegetation and Structure Free Zone

- **44.CFR 65.10 and USACE require no structures (poles, barricades, guardrail post) or trees/vegetation within 15 feet of levee embankment or levee wall**
- **Tree removal will be required**
- **County will provide tree replacement and will work with Communities for tree planting locations**
- **Town meeting scheduled March 5th**



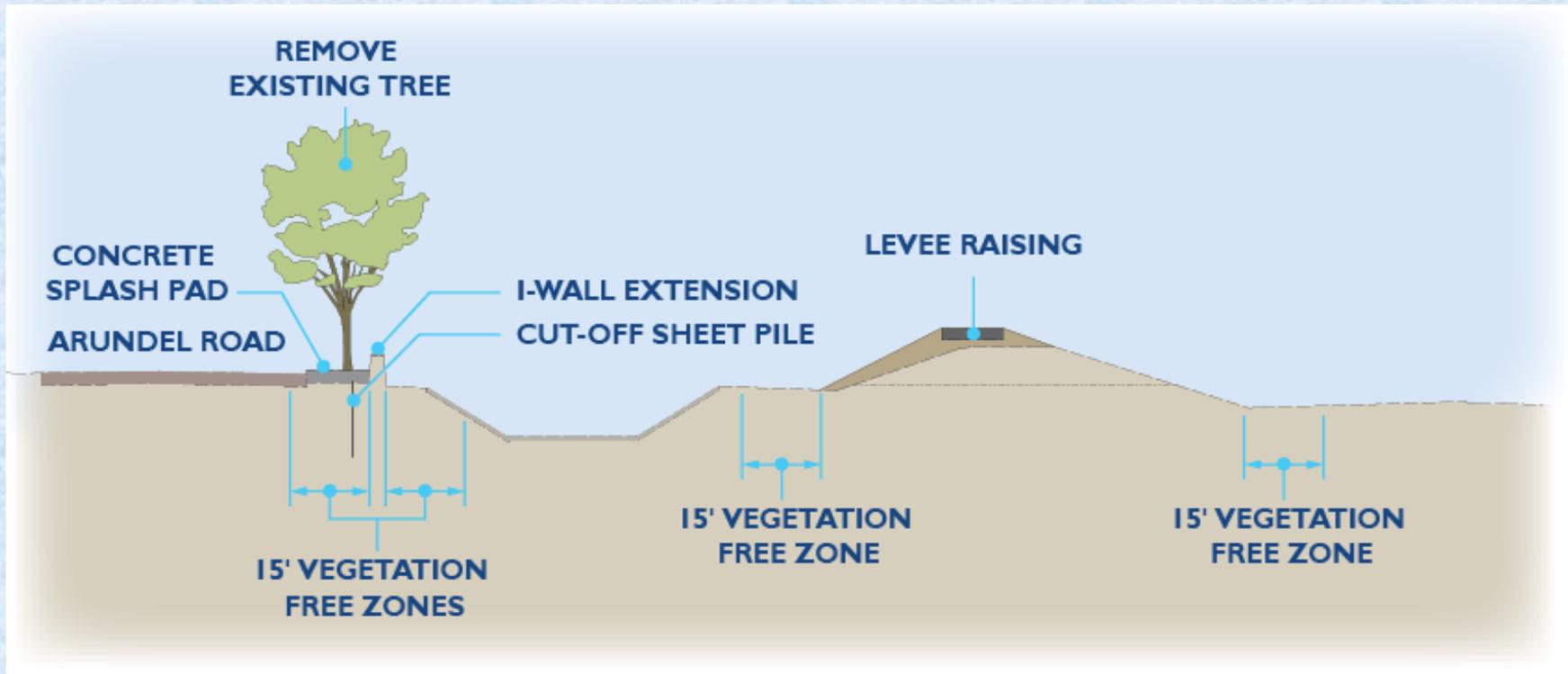


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Vegetation and Structure Free Zone





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Project Schedule

Project	Estimated Construction Start	Duration	Estimated Completion Date
Allison Street Levee Flood Control Project & 34 th Street Bridge Replacement	March 2018	24 months	Spring/Summer 2020

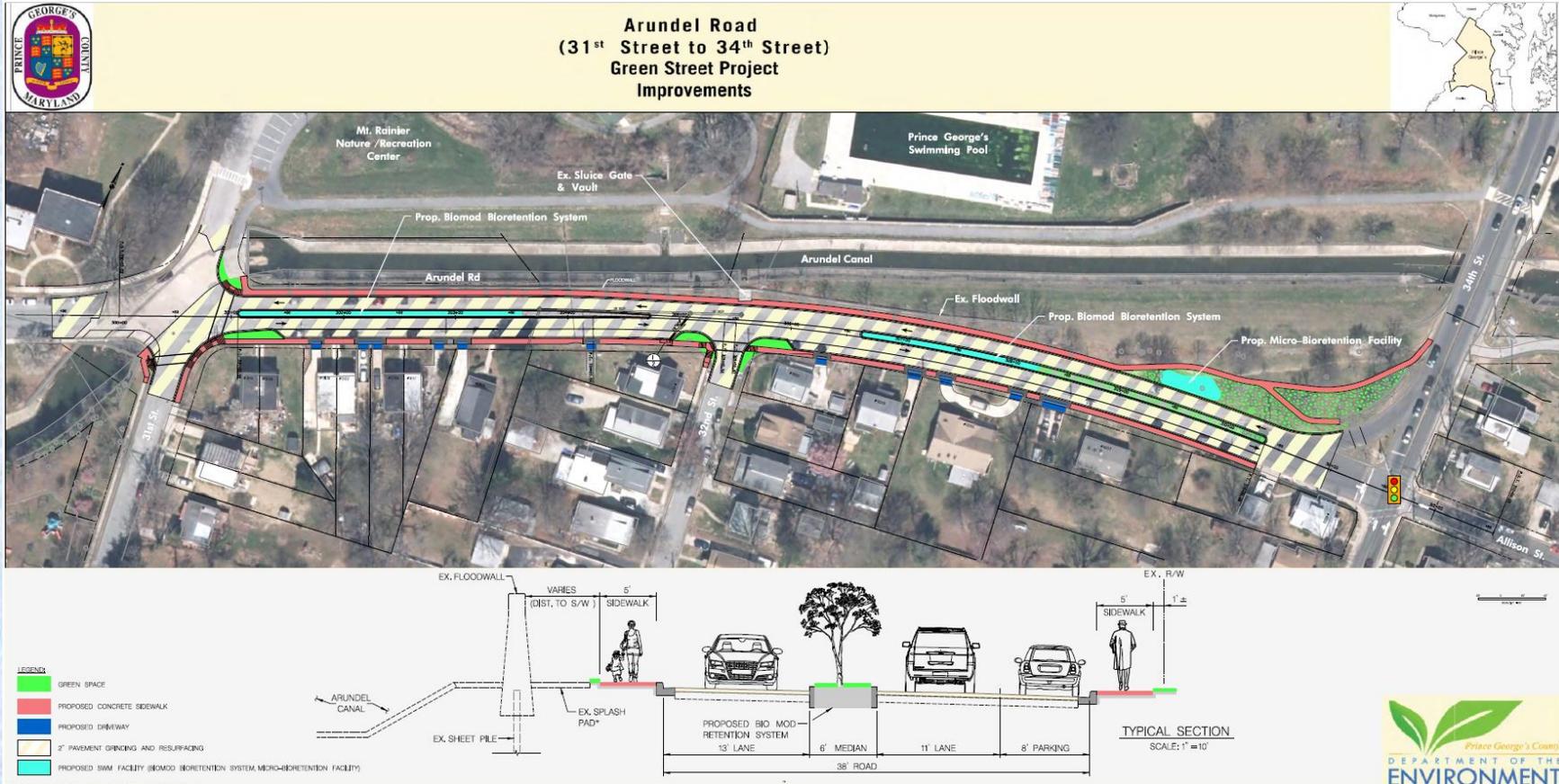


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Arundel Road Green Street



This project is located in the City of Mount Rainier, Prince George's County. The project limits extend along Arundel Road from 31st Street to 100 ft. west of 34th Street for an overall length of approximately 1,000 feet (0.189 miles). The limit of work on the east side ties-in to the limit of work with the Allison Street Flood Control Project.



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Public Involvement

- **County will provide website updates and continue to coordinate with stakeholders:**
 - City of Mount Rainier
 - Town of Brentwood
 - M-NCPPC website
 - Other Community Stakeholders



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Project Contact Information

Dwight Joseph, Chief, Construction Division

Department of Public Works and Transportation
(DPW&T)

Office of Engineering and Project Management
9400 Peppercorn Place, Suite 400

Largo, Maryland 20774

Phone: (301) 883-5642

E-mail: djoseph@co.pg.md.us



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Questions and Answers