

Stormwater Utility and Flood Mitigation Advisory Committee

January 21, 2026 Meeting



Tonight's Agenda

1. Welcome (6:30pm, 5 min)
2. Approval of minutes (6:35pm, 5 min, John)
3. Program update from City Staff (6:40pm, 40 min, City staff)
 - Large capacity projects: Commonwealth/Ashby/Glebe; Hooffs Run Culvert Bypass,
 - Combined sewer projects: Pitt & Gibbon
 - Spot Improvements
 - Sanitary sewer projects
 - Communications
 - Maintenance
4. Expenditures and budget commitments for CAG made since last meeting (7:20pm, 30 min, Jesse Maines/John Hill)
5. Changes to the Flood Mitigation Grant Program to consider larger grants (7:50pm, 20 min, Jesse)
6. Public comment (8:10pm, 50 min)
7. Adjourn (9:00pm)



Welcome remarks

AGENDA ITEM #1



Approval of Minutes

AGENDA ITEM #2



Program update from City Staff

AGENDA ITEM #3



Flood Action Progress Report:

Commonwealth, Ashby, Glebe

Large Capacity - Commonwealth Ave & E.Glebe/Ashby St & Glebe Rd

Project Webpage

<https://www.alexandriava.gov/stormwater-management/commonwealth-ashby-glebe-flood-mitigation-project>

Project Description

This project will improve storm sewer system to mitigate flooding for the future 10-year design storm at two problem areas: the intersection of Commonwealth Ave and Ashby St, and at the intersection of Ashby St and E Glebe Rd

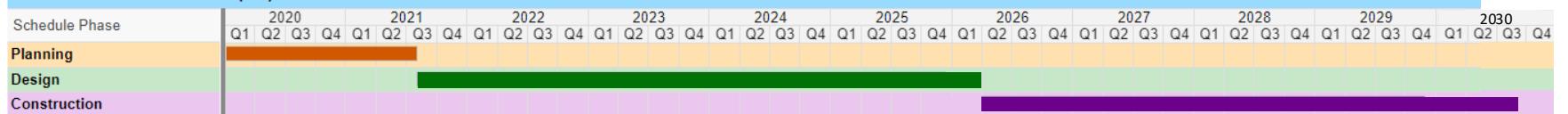
Project Information

Current Phase: Design

Total Planned Budget: \$47,166,354.00

Funding Sources: SWU, CPFP

Schedule - Calendar Year (CY)



- Coordinating final design comments. Expect final drawings this quarter.
- Utility relocations to begin this quarter (utility owners' responsibility)
- Bid phase for culvert construction to start in 2027 (after utility relocations)
- Coordinating with Mt Vernon/Arlington Ridge Road Bridge construction as well as other spot projects in area



Flood Action Progress Report: CSS

- Nethergate (\$5M) CSO surcharge mitigation. 30% design received in early December. Permit for George Washington Parkway access for utility/geotechnical survey submit to National Parks Service in early December. Upon approval, mobilize for utility and geotechnical data collection.

Nethergate Storm Sewer Improvements

Project Webpage

<https://www.alexandriava.gov/capital-projects/project/nethergate-storm-sewer-improvements>

Project Description

The purpose of this project is to mitigate flooding in the Nethergate Townhome community based on reports from residents after intense rainfall events. The project area is bound by Bashford Ln to the north, Second St. to the south, Portner Rd to the west and W Abingdon Dr to the east. As part of this project, the design team will analyze hydraulic capacity of the existing storm sewer, and develop alternatives to mitigate flooding.

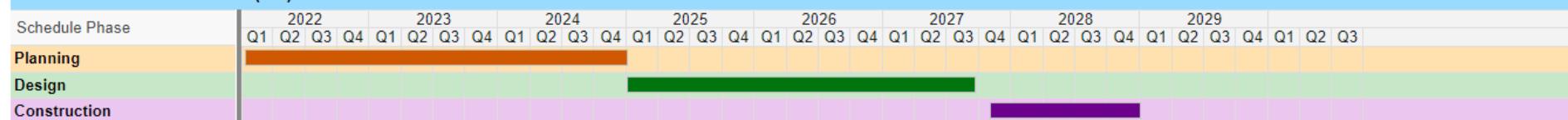
Project Information

Current Phase: Design

Total Planned Budget: \$1,587,951.82

Funding Sources: SSF

Schedule - Calendar Year (CY)





Flood Action Progress Report: Pitt and Gibbon and Hooffs Run Culvert Bypass Project

- **Current Direction**
 - Focus on property-level mitigation approaches
- **Progress Since Last Update**
 - Consultant under contract
 - Reviewing data and prior analysis (Flood Resilience Plan Modeling, Pitt and Gibbon/Hooffs Run work to date)
 - Collecting peer locality approaches
- **Current Status**
 - Exploratory, information-gathering phase
 - No defined program elements at this stage
- **Next Steps**
 - Continue data and peer review
 - Develop Internal program concepts



Flood Action Progress Report:

Neighborhood Spot Projects

Bellefonte Ave Storm Drain Improvements

Project Webpage

<https://www.alexandriava.gov/capital-projects/project/bellefonte-avenue-storm-drain-improvements>

Project Information

Current Phase: Design

Total Planned Budget: \$1,564,869.29

Funding Sources: SWU

Project Description

The Bellefonte Avenue Storm Drain improvement project aims to improve the local storm drainage system along East Bellefonte Avenue and East Howell Avenue to convey the City's 10-year, 24-hour storm event. The project seeks to mitigate the impact of large storm events without worsening flooding elsewhere in the City. A federal grant application for a FY 2025 Community Directed Funding/Earmark grant administered through Housing and Urban Development (HUD) in the amount of \$1,565,000 was submitted to fund this project.

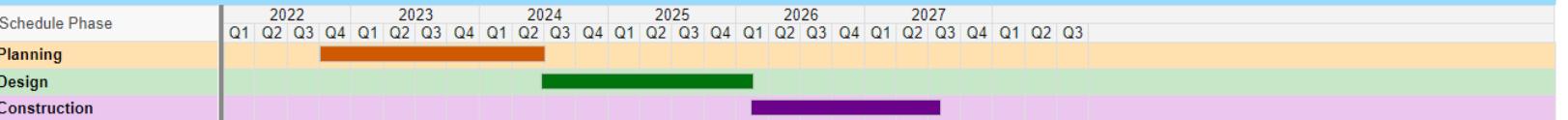
ON-GOING

- Finalize 60% Design
- Hosted community meeting
- Continued 3rd party utility engagement

FORECASTED

- Receive and review 60% Design
- Respond to public concerns
- Continued 3rd party utility engagement

Schedule - Calendar Year (CY)



Clifford Ave, Fulton St. & Manning St. (CFM) Storm Sewer Improvements

Project Webpage

<https://www.alexandriava.gov/capital-projects/project/clifford-avenue-fulton-street-and-manning-street-storm-sewer-improvements>

Project Information

Current Phase: Design

Total Planned Budget: \$831,630.00

Funding Sources: SWU, HUD (Beyer)

Project Description

The Clifford Avenue, Fulton Street and Manning Street (CFM) Storm Sewer Improvements Project will provide flooding mitigation to townhouses along the 3000 block of Fulton Street and Manning Street. The alley bound between the two streets will be re-built to channelize surface flow and improve drainage. Pervious pavement and underground storage will be installed to capture and attenuate stormwater runoff. Relocation of fiber conduit from the alley to Manning and Fulton streets is required prior to the start of construction. This project is supported by \$420,000 in grant funding from the Housing and Urban Development (HUD) Community Project Fund.

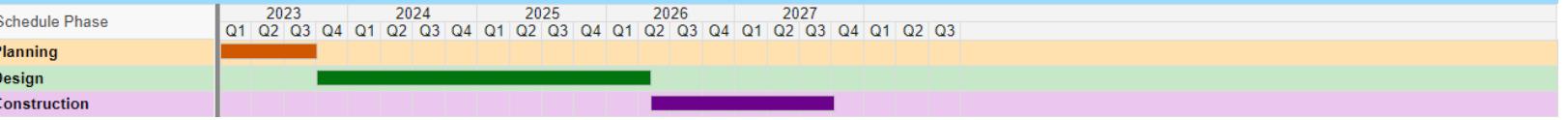
ON-GOING

- Receive 100% Design
- Preparing for fiber relocation mobilization
- Host public design meeting (1/14)

FORECASTED

- Complete final design review
- Begin fiber relocation to Manning
- Respond to public comments

Schedule - Calendar Year (CY)





Flood Action Progress Report:

Neighborhood Spot Projects

Edison St. Storm Sewer Upgrades

Project Webpage

<https://www.alexandriava.gov/stormwater-management/edison-street-and-dale-street-early-phase>

Project Information

Current Phase: Design
Total Planned Budget: \$979,000.00
Funding Sources: SWU, CFPF

Project Description

The Edison St. Storm Sewer Upgrades Project proposes to upgrade the storm sewer system capacity along the 3800 block of Edison Street to the outfall in Four Mile Run Park. Additional inlets are proposed along Edison Street to increase storm water capture. These storm sewer improvements are a portion of the future Large Capacity Project – Edison and Dale that have been accelerated upon receiving funding from Virginia Community Flood Preparedness Fund (CFPF) prior to the funding becoming available in FY 2026.

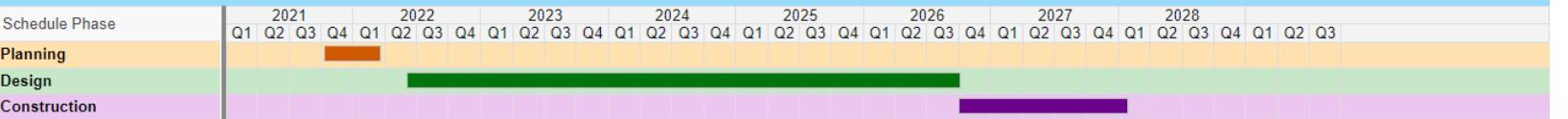
ON-GOING

- Project is approved for construction
- Monitoring utility relocation planning & progress
- Responding to public inquiries

FORECASTED

- Gas utility relocations begin April 2026
- Water utility relocations to follow Gas Utility

Schedule - Calendar Year (CY)



Four Mile Run and Hoofs Run Inlet Installation and Enhancement

Project Webpage

<https://www.alexandriava.gov/capital-projects/project/four-mile-run-and-hoofs-run-inlet-installation-and-enhancement>

Project Information

Current Phase: Design
Total Planned Budget: \$1,584,100.00
Funding Sources:

Project Description

This project will focus on comprehensive analysis of the existing stormwater inlet capacity across Four Mile Run and Hoofs Run watersheds. By evaluating the capacity of existing stormwater inlets within these two watersheds, this project will provide recommendations on installing new inlets and upsizing existing ones to mitigate local flash floods and to enhance the overall conveyance efficiency of the storm sewer system. The project receives funding from the City's Stormwater Utility and the Virginia Community Flood Preparedness Fund (CFPF) grant.

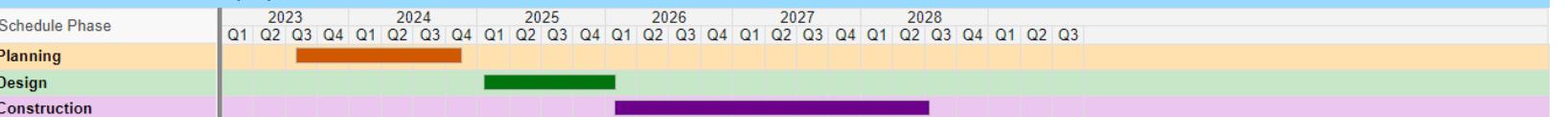
ON-GOING

- Completed topographic survey and utility locating
- Reviewing & planning resolution to design conflicts

FORECASTED

- Received 30% design
- Continue utility coordination

Schedule - Calendar Year (CY)





Flood Action Progress Report:

Neighborhood Spot Projects

Hume Ave Stormdrain Bypass

Project Webpage

<https://www.alexandriava.gov/tes/hume-avenue-bypass-project>

Project Information

Current Phase: Design

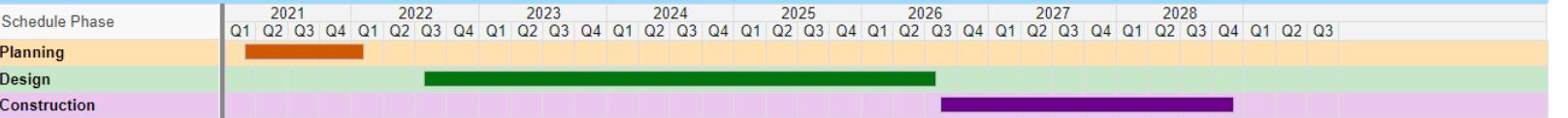
Total Planned Budget: \$5,090,289.00

Funding Sources: SWU, ARPA

Project Description

The Hume Avenue Storm Sewer Bypass Project will install storm sewer and inlets along the 100 block of Hume Avenue and E. Raymond Avenue. The addition of a new utility within each right-of-way requires the relocation of gas, electric, water and sanitary systems. On E. Raymond Avenue the sanitary sewer will be upgraded to a larger pipe in tandem with its re-location. Hume Avenue will be re-built to restore conveyance along the curb and gutter.

Schedule - Calendar Year (CY)



Mt Vernon and Edison Dual Culvert Replacement Project

Project Webpage

<https://www.alexandriava.gov/stormwater-management/mount-vernon-dual-corrugated-metal-pipe-cmp-culvert-replacement-project>

Project Information

Current Phase: Design

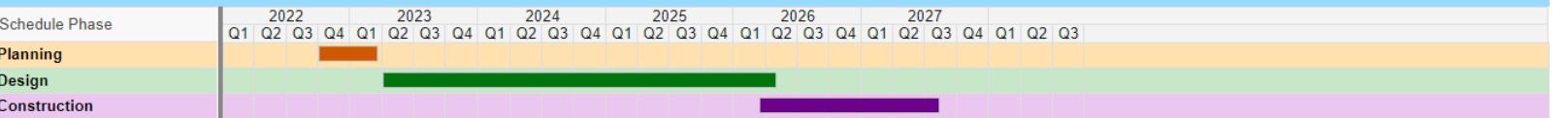
Total Planned Budget: \$2,500,000.00

Funding Sources: SWU, CFPF

Project Description

The project upgrades an existing Dual Corrugated Metal Pipe (CMP) culvert system to convey larger storm events, reducing the chance of surcharging in Mount Vernon Avenue. The project receives funding from the City's Stormwater Utility and a grant from the Virginia Community Flood Preparedness Fund (CFPF).

Schedule - Calendar Year (CY)



ON-GOING

- Begin fiber relocation
- Resolve final comments
- Monitored gas main relocation preparation (April)

FORECASTED

- Receive design approval
- Prepare for construction
- Kickoff public meeting (March)
- Begin construction procurement

ON-GOING

- Completed 90% review and issued comments
- Hosted community meeting
- Planned construction easements

FORECASTED

- Begin 100% design
- Respond to public comments
- Begin temp. easement negotiations



Flood Action Progress Report:

Neighborhood Spot Projects

Mt. Vernon Cul-de-sac Inlets and Alley Storm Sewer Improvements

Project Webpage

<https://www.alexandriava.gov/capital-projects/project/mt-vernon-cul-de-sac-inlets-and-alley-storm-sewer-improvements>

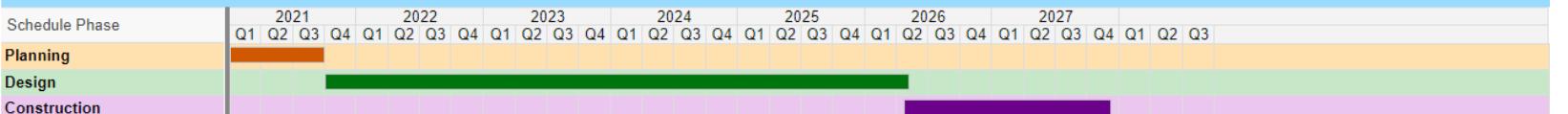
Project Information

Current Phase: Design
Total Planned Budget: \$2,055,841.00
Funding Sources: SWU, ARPA

Project Description

The Mt. Vernon Cul-de-sac Inlets and Alley Improvements Project will provide flood mitigation for townhomes on the 100 block of Mt. Vernon Avenue. Inlets and runoff storage vaults will be installed on Mt. Vernon Avenue and its adjacent alleyway to capture runoff. The alleyway will be regraded to improve surface drainage into the downstream swale. The existing drinking water line will be relocated.

Schedule - Calendar Year (CY)



S Jordan St. Stormwater Improvement Phase II

Project Webpage

<https://www.alexandriava.gov/capital-projects/project/s-jordon-st-stormwater-improvement-project-phase-ii>

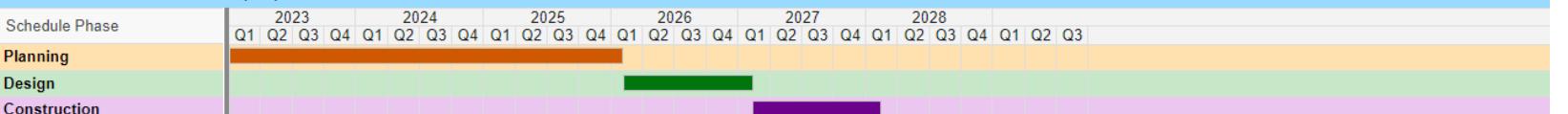
Project Information

Current Phase: Planning
Total Planned Budget: \$1,360,000.00
Funding Sources: SWU

Project Description

This project will design a solution to reduce backyard flooding risk to the maximum extent practicable on the north side of the block of 95 to 127 South Jordan Street. After the field investigation, reviewing CCTV recordings and reading the consultant's recommendations, one small scale project was identified. SWM team to work with private property owners along S Jordan St and 4600 Duke to improve the existing swale and conveyance on private property. The City will plan to obtain a 15-ft. wide permanent easement for the storm drain system in this neighborhood as part of this project. Obtaining an easement will allow the City to maintain the storm drain system without having to request permission for entry.

Schedule - Calendar Year (CY)



ON-GOING

- **Receive revised 90% design**
- **Completed site investigations based on community feedback**

FORECASTED

- **Complete 90% review and issue comments**
- **Begin construction procurement planning**

ON-GOING

- **Completed technical memo review**
- **Began planning phase close out**

FORECASTED

- **Scope design and begin design**
- **Began planning procurement**



Flood Action Progress Report:

Neighborhood Spot Projects

Valley Drive Storm Drain Improvements

Project Webpage

<https://www.alexandriava.gov/capital-projects/project/valley-drive-storm-drain-improvements>

Project Information

Current Phase: Design

Total Planned Budget: \$3,879,999.29

Funding Sources: SWU

Project Description

The Valley Drive Storm Drain improvement project aims to improve the local storm drainage system, specifically targeting areas prone to flooding during the City's standard 10-year, 24-hour storm event along Valley Drive, Crestwood Drive, Summit Avenue, and Dogwood Drive. The project seeks to mitigate the impact of larger storm events while ensuring that improvements do not worsen flooding in other parts of the drainage system. Following City Council approval, staff is working on an application for a state Community Flood Preparedness Fund (CFPF) grant for a 60/40 match in the amount of \$2,160,000 with local Stormwater Utility funding of \$1,440,000 identified for the match.

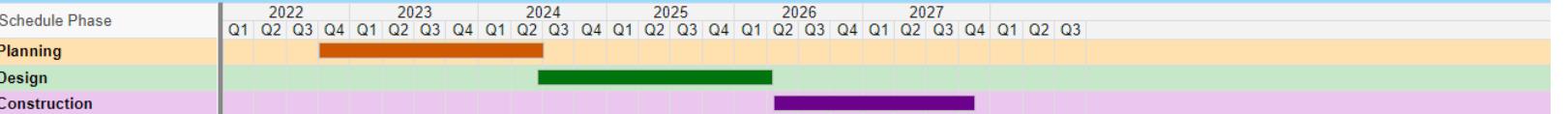
ON-GOING

- Received parcel boundary review
- Assessing feasibility limiting work to right-of-way
- Planning for property negotiations

FORECASTED

- Continue review of alternative approaches
- Proceed with and receive 90% design & begin review

Schedule - Calendar Year (CY)



W. Reed Ave & Dale St Storm Sewer Improvements

Project Webpage

<https://www.alexandriava.gov/stormwater-management/edison-street-and-dale-street-early-phase>

Project Information

Current Phase: Design

Total Planned Budget: \$2,230,000.00

Funding Sources: SWU

Project Description

W. Reed Ave & Dale St. Storm Sewer Improvements Project proposes new inlets and storm sewer along the 100 block of W. Reed Ave and capacity improvements along the downstream system to the outfall in Four Mile Run Park. These storm sewer improvements are a portion of the future Large Capacity Project – Edison and Dale that have been accelerated with Virginia Community Flood Preparedness Fund (CFPF) prior to the funding becoming available in FY 2026.

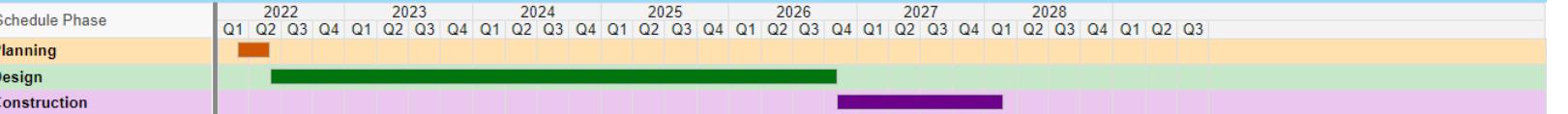
ON-GOING

- Re-submitted Final design – approval expected
- Continued utility relocation coordination
- Received grant extension

FORECASTED

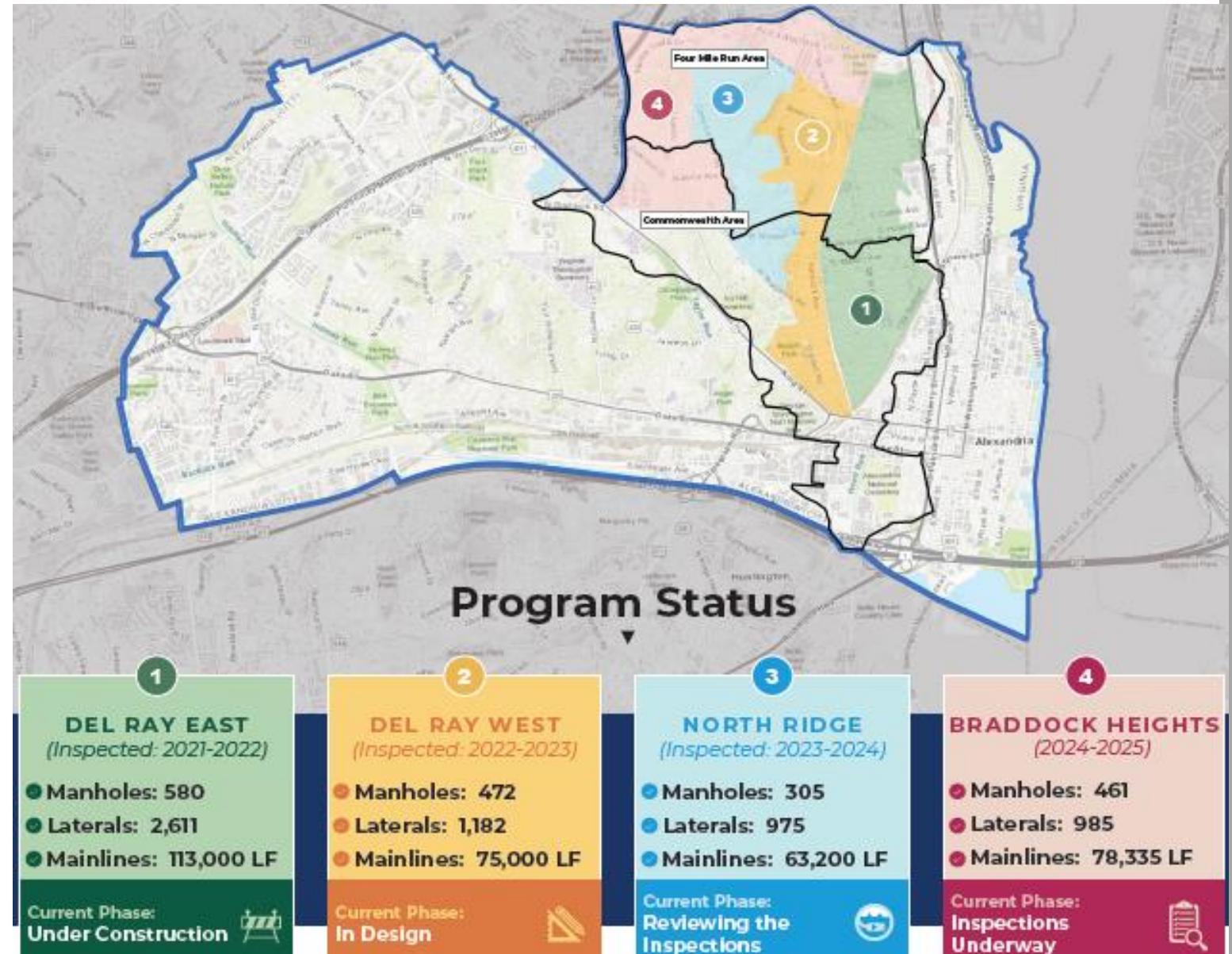
- Begin planning construction procurement
- Monitor utility relocation preparations – begins Summer 2026

Schedule - Calendar Year (CY)



Sanitary Sewer Projects

- **Del Ray East Lat Rehab:**
 - ITB issued, bid opening Jan 29, 2026
 - Total of 413 laterals to be rehabilitated
- **Del Ray West:**
 - Manholes, mainlines and lateral sewers in design phase
 - 90% design completed December 2025; 100% design documents to be submitted February 2026





Sanitary Sewer Backup Mitigation Projects

Sanitary Sewer Capacity Upsizing Project No. 1

Project Webpage

<https://www.alexandriava.gov/capital-projects/project/sanitary-sewer-capacity-upsizing-project-no-1>

Project Information

Current Phase: Construction

Total Planned Budget: \$2,725,346.24

Funding Sources: Sanitary Sewer

Project Description

This project provides for upsizing of existing sanitary sewer pipes located at five (5) project sites. The project sites include the following: East Alexandria Avenue, Ashby Street, East Oak Street, East Walnut Street, and East Maple Street. This work is being undertaken to help mitigate sanitary sewer backups that occur as a result of significant wet weather.

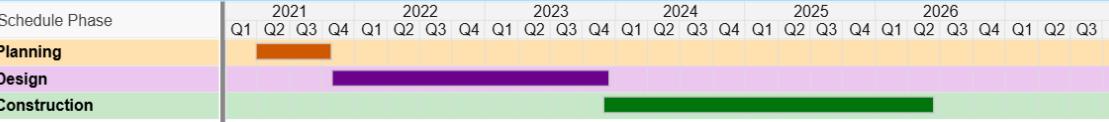
ON-GOING

- **Project being closed out.**

FORECASTED

- **N/A**

Schedule - Calendar Year (CY)



600 Block of N Columbus Street Sewer Separation Project

Project Webpage

<https://www.alexandriava.gov/capital-projects/project/600-block-of-north-columbus-street-sewer-separation-project>

Project Information

Current Phase: Construction

Total Planned Budget: \$1,001,913.28

Funding Sources: Sanitary Sewer

Project Description

This project is a sewer separation project at 600 Block of N Columbus Street where the sanitary sewer is being disconnected from the combined sewer system and reconnected to a fully separated sanitary sewer. This project is being undertaken to mitigate the potential for sewer basement backups from the combined sewer being over capacity during periods of significant wet weather.

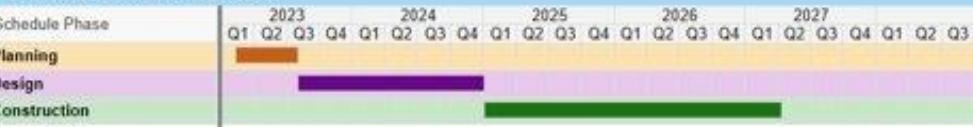
ON-GOING

- **Construction began Dec 1, 2025**
- **Construction for 120 days**

FORECASTED

- **Substantial completion anticipated end of January 2026**

Schedule - Calendar Year (CY)





Sanitary Sewer Backup Mitigation Projects

Madison St and N St Asaph St Sewer Replacement

Project Webpage

<https://www.alexandriava.gov/capital-projects/project/madison-street-and-north-saint-asaph-street-sewer-replacement>

Project Information

Current Phase: Construction
Total Planned Budget: \$500,000.00
Funding Sources: Sanitary Sewer

Project Description

This project includes upsizing of the existing combined sewer and stormwater conveyance improvements at the intersection of Madison and N Saint Asaph Streets. This project is being done to help mitigate flooding in the intersection and flooding onto neighboring properties.

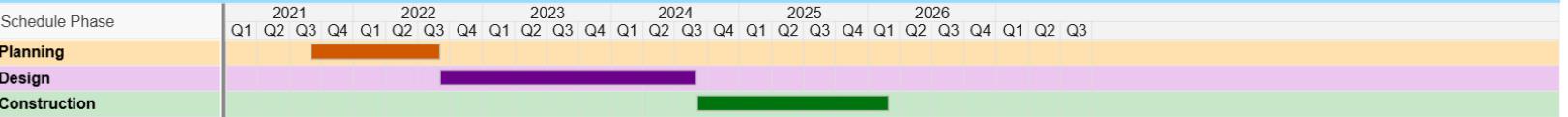
ON-GOING

- **Construction Notice to Proceed issued Nov 3, 2025**

FORECASTED

- **Construction completion March 2026**

Schedule - Calendar Year (CY)



400 Block Wolfe St Sanitary Sewer Upsizing

Project Webpage

<https://www.alexandriava.gov/sewers/400-block-of-wolfe-street-sanitary-sewer-upsizing-project>

Project Information

Current Phase: Construction
Total Planned Budget: \$1,667,900.00
Funding Sources: Sanitary Sewer

Project Description

This project calls for the planning, design and construction of an upsized sewer network along the 400 block of Wolfe Street in the Old Town combined sewershed. This project was initiated in response to multiple sewer backups that have occurred during periods of wet weather.

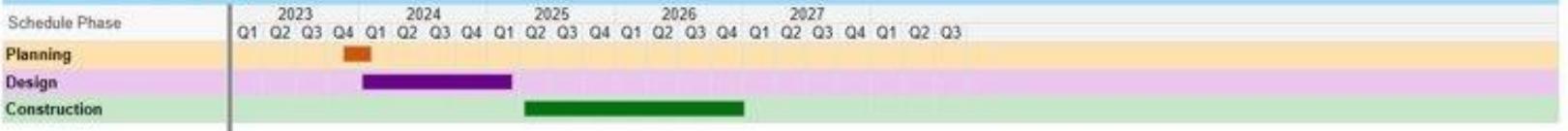
ON-GOING

- **Construction began Jan 5, 2026**

FORECASTED

- **Construction completion by July 2026**

Schedule - Calendar Year (CY)





Sanitary Sewer Backup Mitigation Projects

Colonial Avenue Sewer Separation Project

Project Webpage

<https://www.alexandriava.gov/sewers/colonial-avenue-sewer-separation-project>

Project Description

The Colonial Ave Sewer Separation project consists of separating the existing sanitary sewer from the combined sewer system and connecting it to a fully separate sanitary sewer. This project is being undertaken to mitigate the potential for sewer backups during significant wet weather.

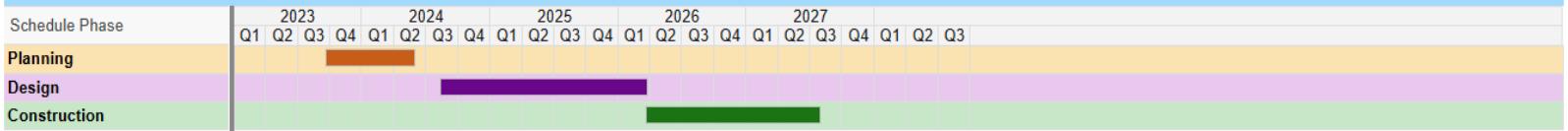
Project Information

Current Phase: Design

Total Planned Budget: \$1,678,104.00

Funding Sources: Sanitary Sewer

Schedule - Calendar Year (CY)



ON-GOING

- **100% design submitted Dec 2025 – requires minor revisions**

FORECASTED

- **Design completion February 2026**



Communications

November 1, 2025 – January 20, 2026

- 8 Total Flood Action/ Stormwater social media posts
 - *Taylor Run Infrastructure Stabilization Project, Flood Resilience Plan, MWEE, SWU Credit, Flood Action Alexandria Newsletter, National Stormwater Day*
- Impressions: 71,013 decreased by 58.9%
- Engagements: 1,735 decreased by 77.2%
- Post link clicks: 251 decreased by 69%

*Compared to November 1, 2024-January 20, 2025

- 9,032 Stormwater Management webpage views
 - 86 total pages under Stormwater Management web group
- Average engagement rate: 53.69%, Average events per session: 3.97
- Most popular stormwater webpages:

- [Stormwater Utility Fee](#) 843 views
- [Flood Map](#) 761 views
- [Stormwater Management](#) 549 views
- [Stormwater Utility Fees and Credits for Residential Properties](#) 473 views
- [Flood Action Alexandria](#) 469 views
- [Stormwater Utility Fees and Credits for Non-Residential Properties](#) 432 views
- [Types of Sewer Systems](#) 432 views
- [Sanitary Infrastructure](#) 313 views
- [Flood Resilience Plan](#) 266 views
- [Virginia Erosion and Stormwater Management Program](#) 137 views



Communications

Upcoming Communications Priorities

- Stormwater Utility Fee Credit Program – Launching December 1



Flood Resilience Plan

- The City has completed approximately 65% of the Flood Resilience Plan, including finalization of the Community Engagement Plan.
- Community involvement remains active through an online survey and continued outreach at community cookouts, farmers markets, and other City events throughout the summer.
- A dedicated public engagement event is scheduled for March 2026.



Maintenance Activities

- Hooffs Run Culvert Top Slab Reconstruction in the Park between East Walnut and East Oak Street – Phase II
 - Plans being finalized in coordination with RPCA.
 - Park and tennis courts will be closed during construction.
 - Notifications will go out two weeks prior to construction.
 - Neighborhood meeting planned prior to construction.
 - Construction anticipated to start in Spring 2026.
 - Project duration: 6-8 months depending on weather.



Maintenance Activities

- Citywide Storm Sewer CCTV and Cleaning Program:
 - Initiated program in June 2025
 - Goal: Complete 1-2 watersheds per year
 - Four Mile Run Watershed – 95% complete
 - Four storm sewer repairs scheduled for January.

SWU Credit Program

- The application window opens December 1st and ends February 15th.
 - 2-year Credit Cycle
 - 50% Credit Rebate
 - 20+ different eligible practices
- A webinar focused on businesses will be presented on Wednesday, January 28th at 10am: [Eco-City Business Program | City of Alexandria, VA](#)
- A webinar focused on residents will be presented on Thursday, January 29th at 6pm: [VIRTUAL: Stormwater Utility Fee Credit Program Webinar, Thu Jan 29, 2026 6-7 p.m. | Calendar | City of Alexandria, VA](#)





Update on CAG budget commitments

AGENDA ITEM #4



Changes to Flood Mitigation Program

AGENDA ITEM #5



Flood Mitigation Grant Program

- Reimbursed a total of \$1,177,087.92 since July 2021 inception.
- In FY2026: 6 approved applications, reimbursed \$41,914.18.
- FY2025: Approved 85 applications, reimbursed \$186,240.69
- FY2024: Approved 101 applications, reimbursed \$235,145.16.
- FY2023: Approved 73 applications, reimbursed \$167,538.49.
- FY2022: Approved 148 applications, reimbursed \$588,163.58.



Support of FY2027 Stormwater Fee

AGENDA ITEM #6



Public comments

AGENDA ITEM #7



Adjourn

AGENDA ITEM #8