

# **Stormwater Utility and Flood Mitigation Advisory Committee**

November 19, 2025 Meeting

# Tonight's Agenda

1. Welcome (7:00pm, 5 min)
2. Approval of minutes (7:05pm, 5 min, John)
3. Program update from City Staff (7:10pm, 30 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. Support of FY2027 Stormwater Fee (7:40pm, 30 min, John Hill)
5. Committee 2025-26 workplan and outreach activities (8:10pm, 20 min, Committee)
6. Public comment (8:30pm, 30 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

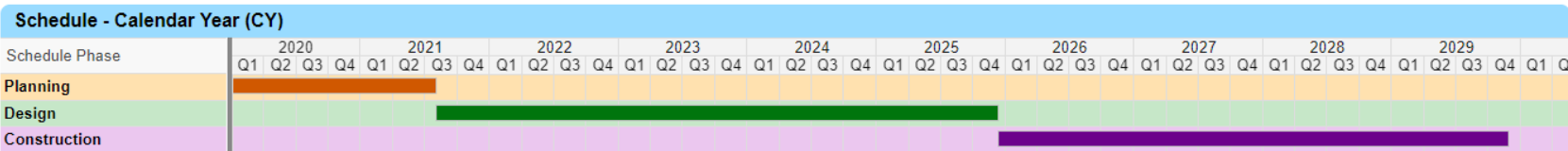
<https://www.alexandriava.gov/stormwater-management/commonwealth-ashby-glebe-flood-mitigation-project>

### 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



- 100% design completed
- Utility relocations to begin next year (utility owners' responsibility)
- Bid phase for culvert construction to start in 2027 (after utility relocations)
- Coordinating with Mt Vernon/Arlington Ridge Road Bridge construction

# Flood Action Progress Report: CSS

- Pitt & Gibbon (\$20-25M) CSO surcharge mitigation. Project team reviewing alternatives to mitigate flooding.
- Nethergate (\$5M) CSO surcharge mitigation. Design consultant NTP in July 2025. Project extended due to estimated National Parks Service (NPS) permitting. Working on permits for utility survey and soil borings. Community meeting 9/29.

## 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)

Schedule Phase	2022				2023				2024				2025				2026				2027				2028				2029							
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Planning																																				
Design																																				
Construction																																				

# **Flood Action Progress Report: Hooffs Run Culvert Bypass Project**

- City staff continues evaluation of potential alternatives at parcel scale



# Flood Action Progress Report:

## Neighborhood Spot Projects

### Bellefonte Ave Storm Drain Improvements

#### Project Webpage

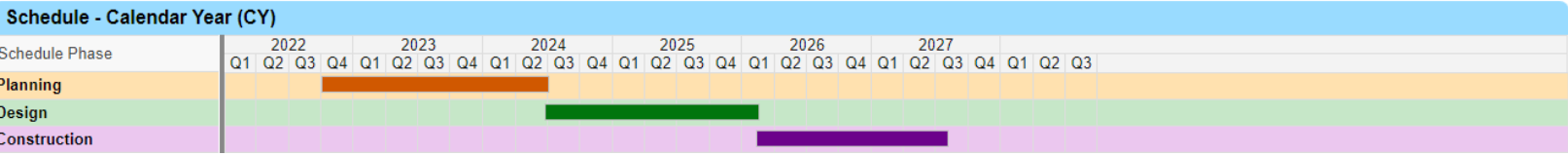
<https://www.alexandriava.gov/capital-projects/project/bellefonte-avenue-storm-drain-improvements>

#### 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

- Continued 60% Design
- Completed utility test pits
- Began preparing for public meeting

#### FORECASTED

- Receive and review 60% Design
- Host public meeting in December
- Engage 3<sup>rd</sup> party utility providers

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

#### Project Webpage

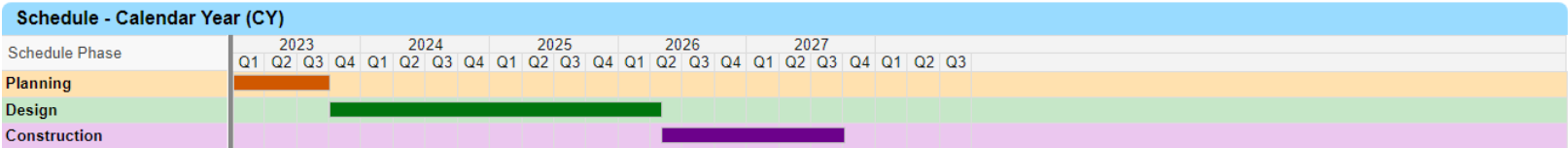
<https://www.alexandriava.gov/capital-projects/project/clifford-avenue-fulton-street-and-manning-street-storm-sewer-improvements>

#### 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

- Completed 90% review & Issued comments
- Continued utility coordination for fiber relocation
- Prepared for public meeting

#### FORECASTED

- Receive final design
- Begin fiber relocation to Manning
- Host design update meeting

# 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**

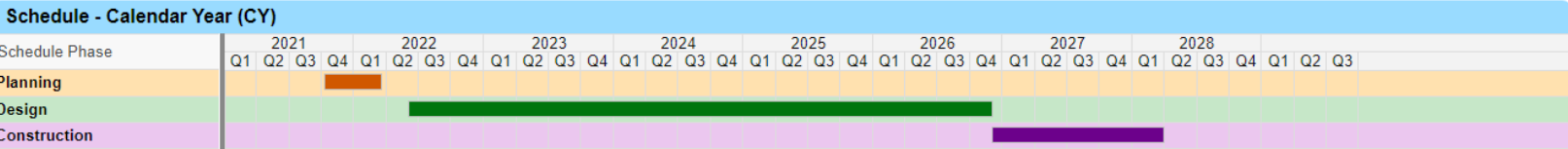
**Current Phase:** Design

**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 inquires
- FORECASTED**

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

## Four Mile Run and Hoofs Run Inlet Installation and Enhancement

**Project Webpage**

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

**Project Information**

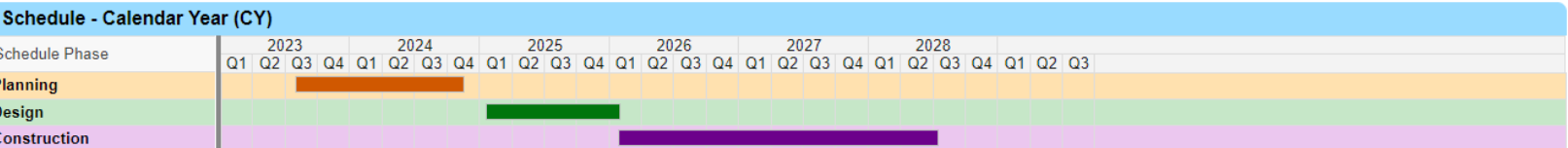
**Current Phase:** Design

**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 Hooffs 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**

  - Finalizing topographic survey
  - Began utility conflict review
- FORECASTED**

  - Complete topographic survey
  - Engage 3<sup>rd</sup> party utility providers & begin coordination

# Flood Action Progress Report: Neighborhood Spot Projects

## Hume Ave Stormdrain Bypass

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

**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.

**Project Information**  

**Current Phase:** Design

**Total Planned Budget:** \$5,090,289.00

**Funding Sources:** SWU, ARPA

**Schedule - Calendar Year (CY)**  

Schedule Phase	2021				2022				2023				2024				2025				2026				2027				2028			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Planning																																
Design																																
Construction																																

- ON-GOING**
  - Received final design and began review
  - Monitored utility relocation planning & progress
- FORECASTED**
  - Begin fiber relocation
  - Host pre-construction meeting
  - Prepare for construction procurement

## 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 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 (CFPPF).

**Project Information**  

**Current Phase:** Design

**Total Planned Budget:** \$2,500,000.00

**Funding Sources:** SWU, CFPPF

**Schedule - Calendar Year (CY)**  

Schedule Phase	2022				2023				2024				2025				2026				2027			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Planning																								
Design																								
Construction																								

- ON-GOING**
  - Received 90% design & began review
  - Hosted community meeting
  - Planned construction easements
- FORECASTED**
  - Complete 90% review
  - Issue responses to public comments

# Flood Action Progress Report: Neighborhood Spot Projects

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

### Project Webpage

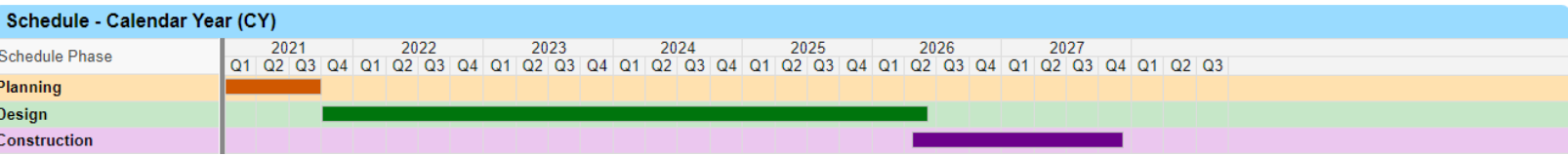
<https://www.alexandriava.gov/capital-projects/project/mt-vernon-cul-de-sac-inlets-and-alley-storm-sewer-improvements>

### 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.



- ON-GOING**
  - Hosted community meeting
  - Received and negotiated proposal for plan revisions
- FORECASTED**
  - Begin plan revisions
  - Complete site investigation to address community feedback

## S Jordan St. Stormwater Improvement Phase II

### Project Webpage

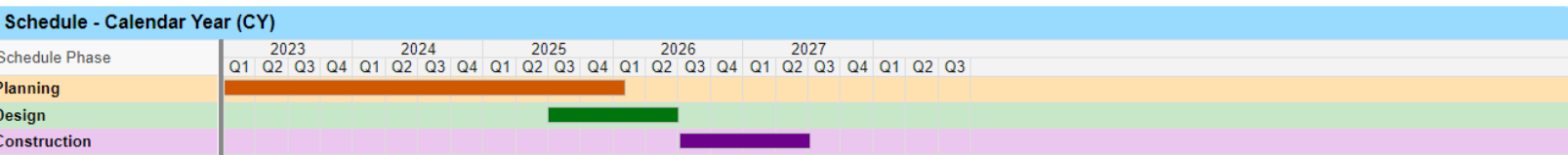
<https://www.alexandriava.gov/capital-projects/project/s-jordan-st-stormwater-improvement-project-phase-ii>

### 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.



- ON-GOING**
  - Completed modeling work
  - Received technical memo and began review
- FORECASTED**
  - Complete technical memo review and determine next steps

# Flood Action Progress Report: Neighborhood Spot Projects

## Valley Drive Storm Drain Improvements

### Project Webpage

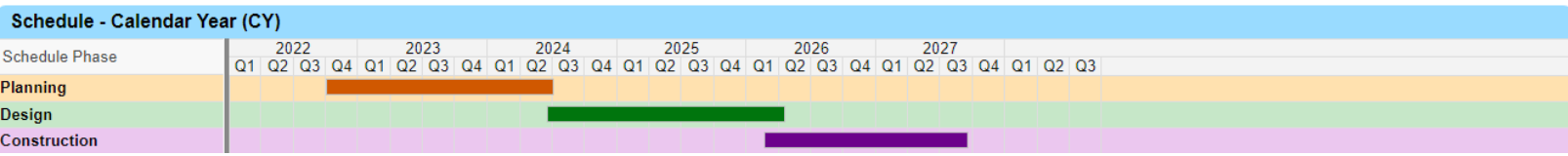
<https://www.alexandriava.gov/capital-projects/project/valley-drive-storm-drain-improvements>

### 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

- Hosted community meeting with residents
- Procured utility test pits

## FORECASTED

- Complete utility test pits
- Receive 90% design & begin review

## W. Reed Ave & Dale St Storm Sewer Improvements

### Project Webpage

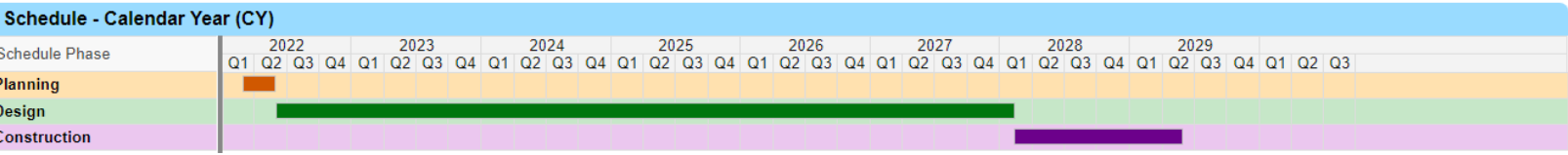
<https://www.alexandriava.gov/stormwater-management/edison-street-and-dale-street-early-phase>

### 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

- Completed final design review – revise & re-submit
- Continued utility relocation coordination

## FORECASTED

- Re-submit final design for review & approval
- Review project acceleration opportunities



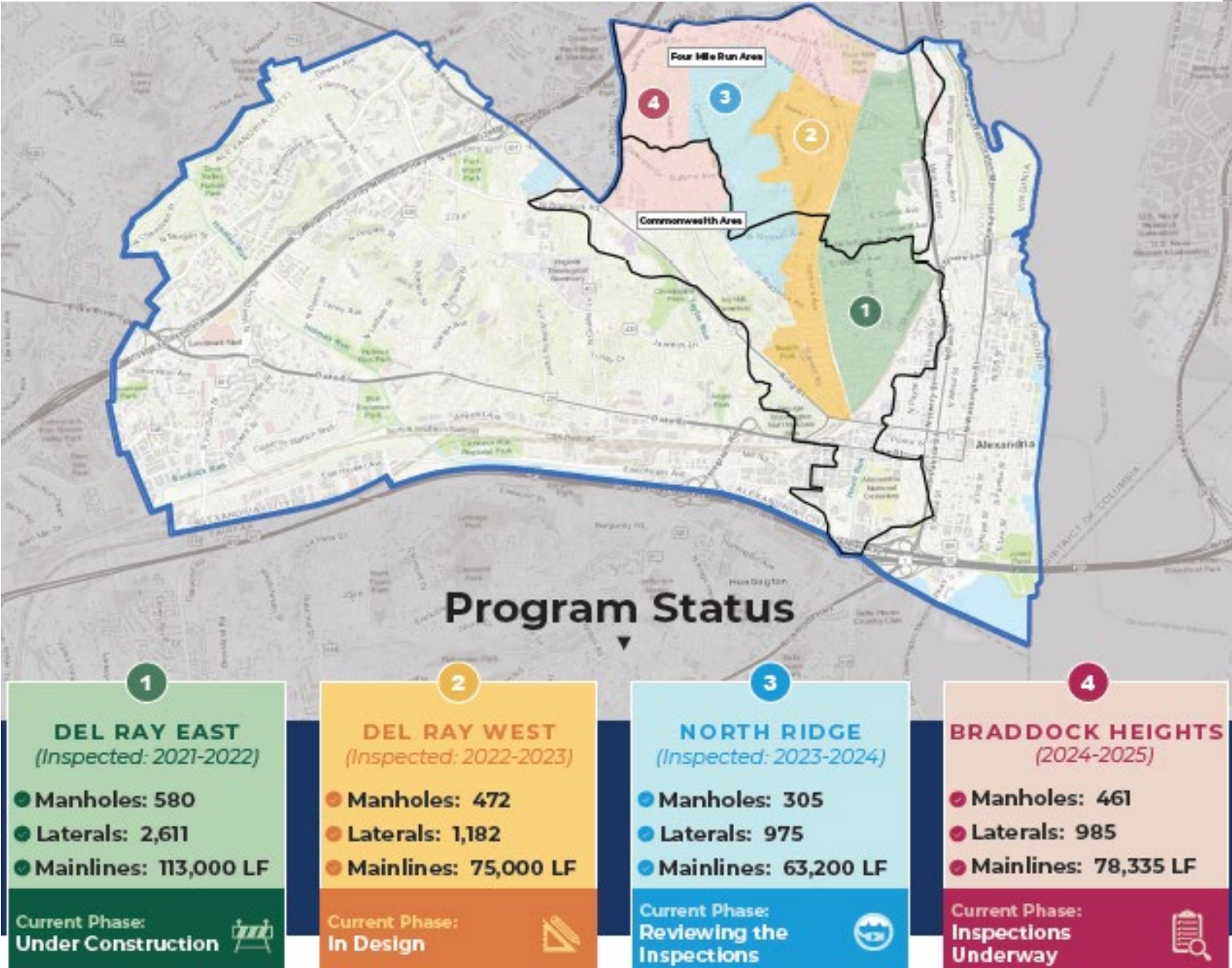
# Sanitary Sewer Projects

- **Del Ray East Lateral Rehabilitation:**

- Construction Invitation to Bid (ITB) issued Nov 4, 2025
- Bid opening Jan 8, 2026
- Total of 413 laterals to be rehabilitated

- **Del Ray West:**

- Manholes, mainlines and lateral sewers in design phase
- Completed 60% Design Oct 2025; design completion January 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-up sizing-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

- All construction completed.

### FORECASTED

- Mill and pave all sites this week except E Oak
- Close-out end of year

### ON-GOING

- Construction completed – on time
- Project closed out Oct 2025

### FORECASTED

- None

## Combined Sewer Upsizing - 300/400 N Alfred St

### Project Webpage

<https://www.alexandriava.gov/capital-projects/project/300-400-block-north-alfred-street-combined-sewer-up sizing-project>

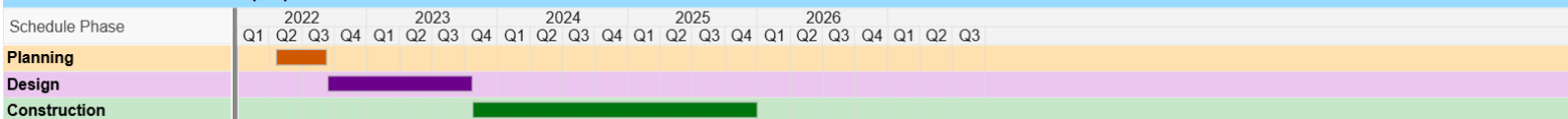
### Project Information

**Current Phase:** Construction  
**Total Planned Budget:** \$781,600.00  
**Funding Sources:** Sanitary Sewer

### Project Description

This project includes upsizing 758 feet of existing sanitary and combined sewers along the 300/400 blocks of N Alfred Street. This project was undertaken to address sewer backups from significant wet weather events.

### 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>

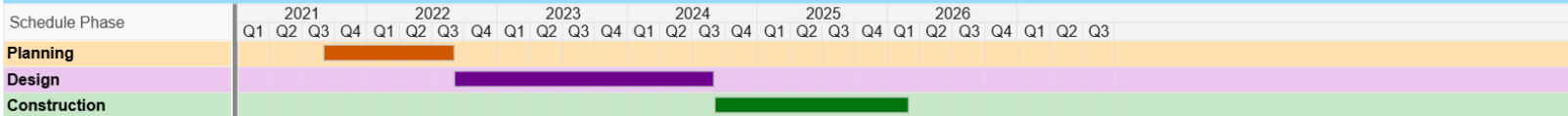
### Project Information

**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.

### 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>

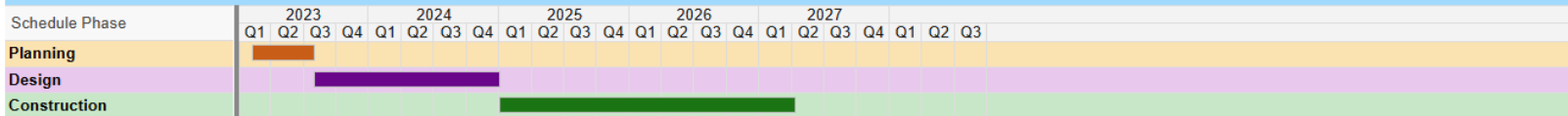
### Project Information

**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.

### Schedule - Calendar Year (CY)



### ON-GOING

- **Construction Notice to Proceed changed to November 3, 2025**

### FORECASTED

- **Construction for 120 days**

### ON-GOING

- **Contract awarded September and Notice to Proceed issued Nov 4, 2025**

### FORECASTED

- **Construction to begin Dec 1, 2025**
- **Construction for 120 days**



# Sanitary Sewer Backup Mitigation Projects

## 400 Block Wolfe St Sanitary Sewer Upsizing

### Project Webpage

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

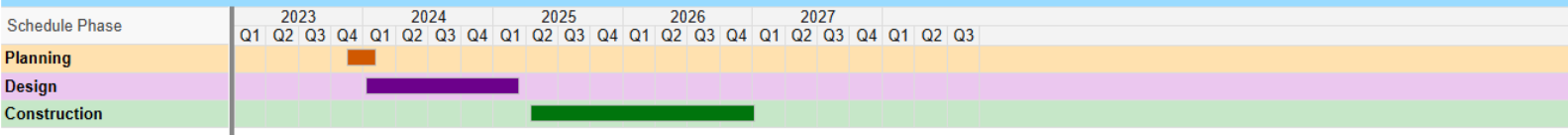
### Project Information

**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.

### Schedule - Calendar Year (CY)



### ON-GOING

- **Contract awarded September and Notice to Proceed issued Nov 12, 2025**

### FORECASTED

- **Construction to begin Jan 5, 2026.**
- **Construction for 120 days**

## Colonial Avenue Sewer Separation Project

### Project Webpage

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

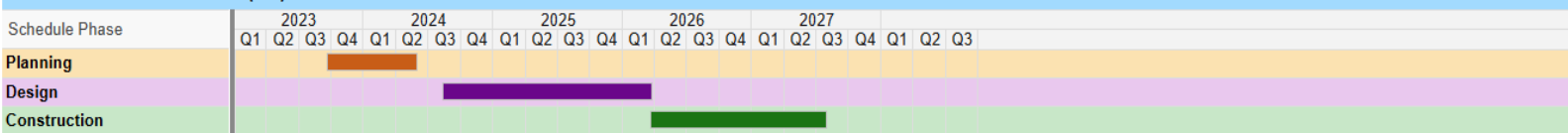
### Project Information

**Current Phase:** Design  
**Total Planned Budget:** \$1,678,104.00  
**Funding Sources:** Sanitary Sewer

### 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.

### Schedule - Calendar Year (CY)



### ON-GOING

- **Additional Geotech field works completed**
- **Received 90% design Oct 2025**

### FORECASTED

- **Design completion end 2025**

# Communications

**October 1 – November 15, 2025**

- 5 Total Flood Action/ Stormwater social media posts
  - *Coastal Cleanup, MS4 Award, Taylor Run Infrastructure Stabilization Project, Flood Resilience Plan*
- Impressions: 32,681 *increased by 11.1%*
- Engagements: 647 *decreased by 44.9%*
- Post link clicks: 84 *decreased by 6.7%*

*\*Compared to October 1 – November 15, 2024*

- 2,925 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:
  - [Flood Map](#) 575 views
  - [Stormwater Management](#) 231 views
  - [Ben Brenman Pon Stormwater Management Retrofit Project](#) 168 views
  - [Stormwater Utility Fee](#) 139 views
  - [Virginia Erosion and Stormwater Management Program](#) 137 views
  - [Stormwater Utility Fees and Credits for Residential Properties](#) 128 views
  - [Resource Protection Areas \(RPAs\)](#) 96 views

# Communications

## Upcoming Communications Priorities

- Stormwater Utility Fee Credit Program – Launching December 1

# Maintenance Activities

- Hooffs Run Culvert Top Slab Reconstruction in the Park between East Walnut and East Oak Street – Phase II
  - 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 – 90% complete
  - Preparing storm sewer repair packages.

# 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 in December.
- A webinar focused on residents will be presented in January.



# Update on Flood Mitigation Grant Program

AGENDA ITEM #6

# Flood Mitigation Grant Program

- Reimbursed a total of \$1,177,087.92 since July 2021 inception.
- So far in FY2026: 6 applications, all in various stages of approval.
- 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 #4

# Committee 2025-26 workplan and outreach activities

AGENDA ITEM #5

# Public Comment

AGENDA ITEM #6

# Adjourn

AGENDA ITEM #7