



City of Alexandria  
Department of Project Implementation

# Valley Drive Storm Drainage Improvements – Project Design Meeting

Wednesday, October 15, 2025  
Mt. Vernon Recreation Center

**FLOODACTION**  
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# Agenda



- ✓ Introductions
- ✓ Project Background and Goals
- ✓ Resident Survey Feedback
- ✓ Existing Conditions
- ✓ Design Update
- ✓ Construction Impacts
- ✓ Schedule
- ✓ Open Discussion & Contact Information



# Project Background

- Met with residents in 2023
- Completed existing conditions assessment
- Secured project funding
- Kicked-off design in 2024



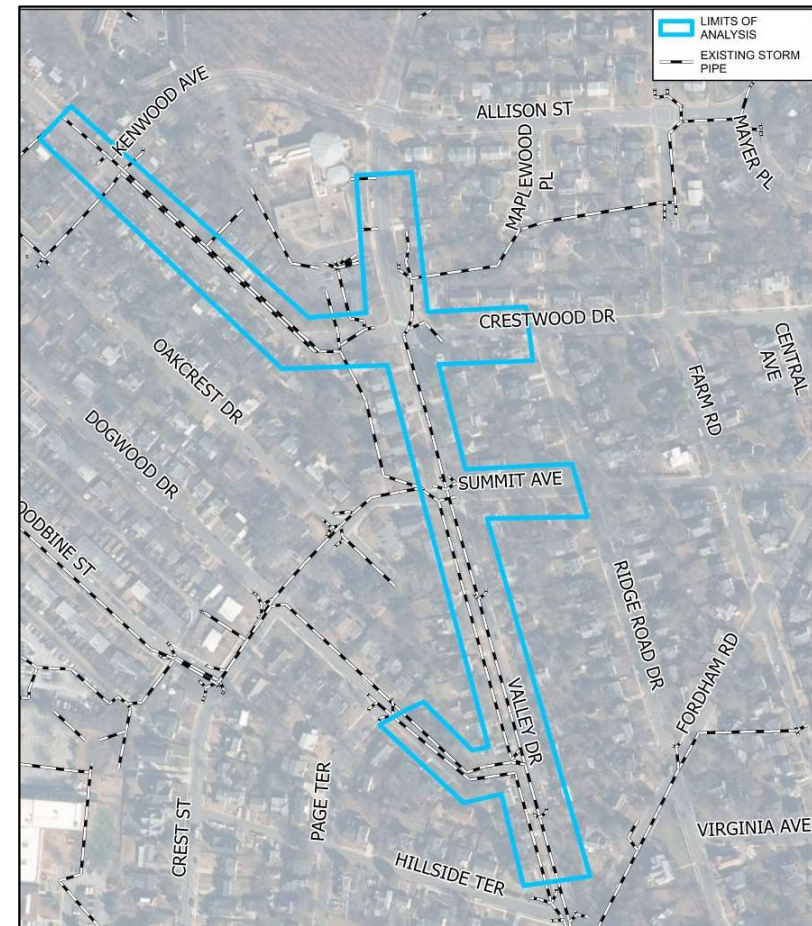




# Project Goals

- Increase capture of runoff
- Reduce surcharge on private property
- Increase system capacity

***The project will maximize these goals without increasing flood risk to private properties.***





# Resident Survey Feedback

- A community feedback survey was open from mid-April to July 25, 2025 for residents along the project corridor
- City sent home notices with links to the online survey
- Received approximately 60 responses

Frequency of Exterior Flooding	Private Property	Roadway
Annually	40%	44%
Periodically	25%	21%
*Results are based on resident's experience; individual residents may perceive flooding differently		
**Periodically is defined as once every three years		



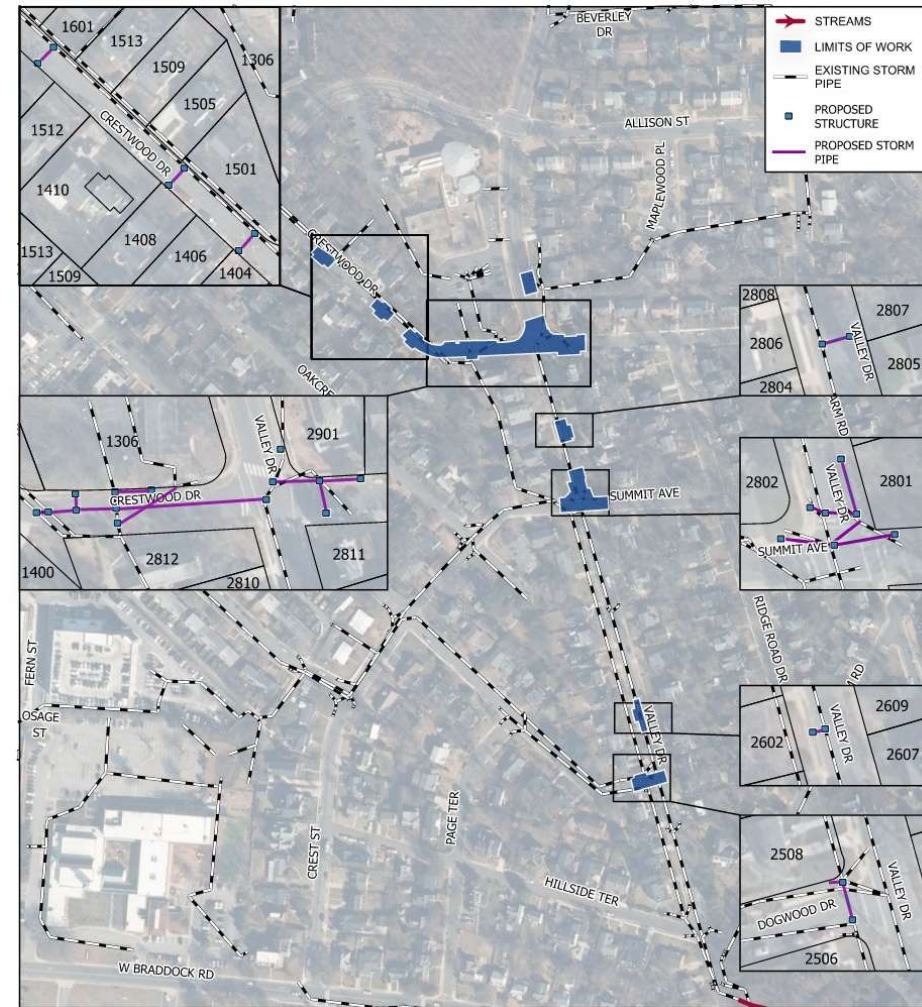
# Existing Conditions

- City CCTV (video capture) performed throughout project area to identify maintenance issues and confirm infrastructure geometry
- Hydraulic Analysis conducted within project limits. Results identified:
  - Inlet spreads (width of flooding on road) exceed standards
  - Depth of flooding at sumps exceeds top of curb, overtopping and flooding private property
  - Inadequately sized pipes for present day standards which backup and surcharge



# Design Update

- Current design stage is 60%
- Target design storm is 10-YR 24-HR (10% annual occurrence storm)
- Increased size and quantity of inlets
- Rerouted drainage into right-of-way at Crestwood
- Hydraulic analysis demonstrates reductions in surface flooding throughout the project area with **no adverse downstream impacts on private property**





# Design Update

- Sanitary Sewer Impacts
  - Permanent relocations at Crestwood and Valley
  - Lowered system at Dogwood and Crestwood to avoid conflicts between storm and sanitary
- Private Utility Impacts
  - Test pit investigations scheduled to begin in November
  - City actively coordinating with private utility owners to address potential conflicts
- Private Property Impacts
  - All work is intended to remain in the City right-of-way; property boundary verification anticipated late October to confirm right-of-way limits





# Construction Impacts



Phased  
Improvements



Detours



Site Restoration



Utility Impacts



Parking



City Services



Tree Protection



# Schedule

- Design
  - Approved Design Plans: February 2026
- Construction
  - City Procurement and Bid Award: February 2026 – May 2026
  - Anticipated Schedule: June 2026 – September 2027
  - Final schedule to be determined by selected Contractor
  - Construction Hours:
    - Monday to Friday: 7 AM to 6 PM
    - Saturday: 9 AM to 6 PM
    - Sunday and City Observed Holidays: No work permitted



# Open Discussion & Project Information

## Contact:

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## Project Website:



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