GRAVEL ROADS: STORMWATER MANAGEMENT RECOMMENDATIONS

Year 2: Kimberley, Alexandra, Swift Run Area

October 9, 2025

Introductions

- Jennifer Lawson, Water Quality Manager
- Jasmine Isaac-Ofori, Community Engagement Specialist
- Katie Dillon, Community Engagement Specialist
- Paul Matthews, Public Works Manager

- Consultant Team

Meeting Norms

- Commit to learning and avoid speculation.
- Critique ideas, not people.
- Use thoughtful language.
- Inappropriate language or gestures will result in removal from the meeting.

Agenda



1. Why We Are Here Today
2. Stormwater Management Overview
3. Kimberley, Alexandra, and Swift Run Overview
4. Open House Stations/Discussions

Study Area & Schedule

General Location	Year of Study
Valley Drive/Evergreen Subdivision	2024 (Complete)
Kimberley, Alexandra, Swift Run Area	**2025**
North and South Geddes Area, Westover/Park Lake Area	2026
Chalmers, Elmwood, Other Areas	2027

Why Are We Here Today?

This meeting was scheduled to:

- Provide residents with the outcomes and recommendations from the Phase 2 of the Gravel Roads Drainage Study
- Give residents an opportunity to ask questions
- Set realistic expectations for next steps

What is Stormwater Management?

The City plans, designs, constructs, and maintains a system to manage stormwater, sediment, and flood mitigation programs and projects to protect water quality and reduce negative impacts on people, property, and infrastructure.

How We Plan For and Manage Stormwater

The City maintains a network of “gray” and “green” infrastructure, and public rights-of-way (roads) to provide stormwater storage and conveyance for rainfall events.

Gray Infrastructure

- Pipes
- Catch Basins
- Underground Storage
- Pervious Pavement

Green Infrastructure

Natural
- Creeks
- Streams
- Street Trees

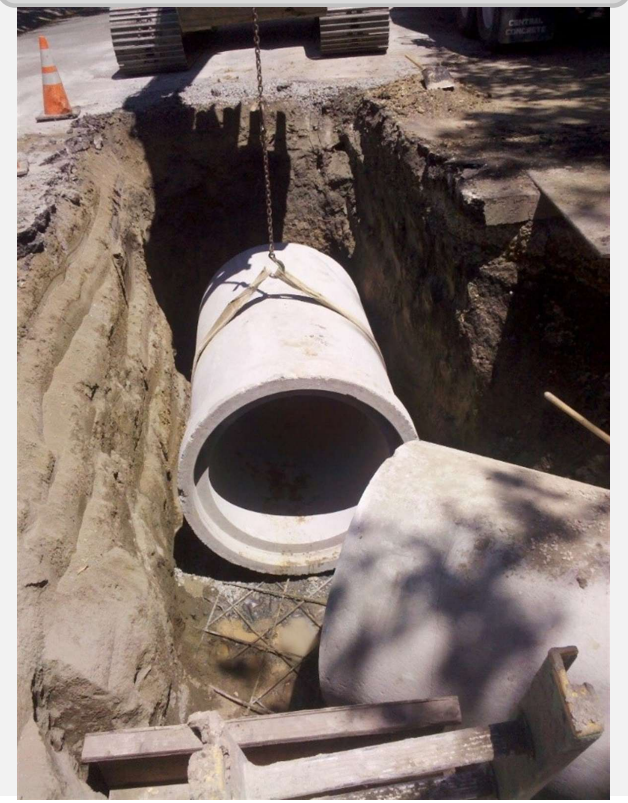
Built
- Detention Ponds
- Rain Gardens
- Infiltration Basins
- Bio-swales

Public Right of Way

- Roads
- Ditches
- Curb Drains

Examples

Gray Infrastructure



Green Infrastructure



Public Right of Way















Data Collection

Public Input

- 26 observations were submitted to the Project Data Hub.
- Project team met with the 17 residents that registered for the one-on-one walkabouts.

Survey and Base Drawings

- Used LiDAR to collect topographic survey within the public road right-of-way.

Hydraulic Analysis

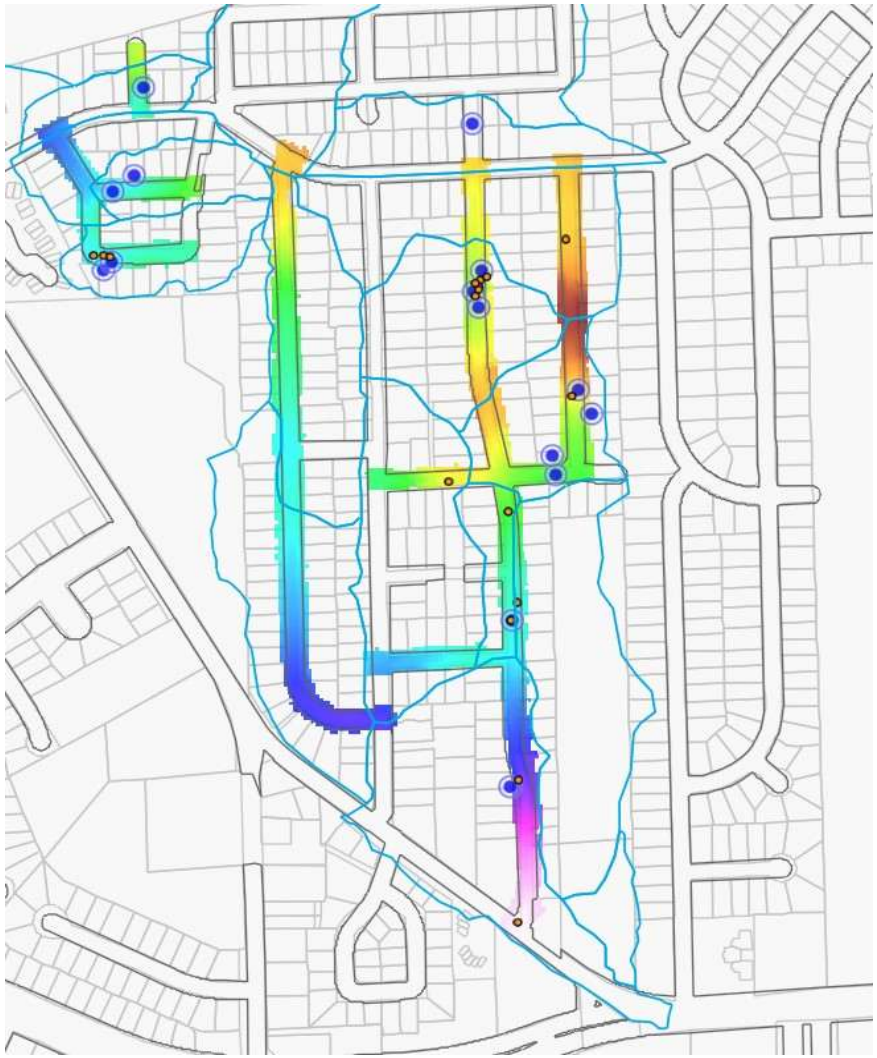
- A detailed 2D rain-on-grid model was used to identify areas of model predicted flooding.

Materials available to review tonight:

- Recommendations Bracket
- GIS Story Map/GIS Data
- Elevation/contour map of the neighborhood
- Example board displaying pictures of possible recommendations

Where is the Water Going?

The map is the combination of the efforts involved in studying the Kimberley, Alexandra, Swift Run Area. This map displays the topography, direction of flow, drainage areas, site evaluation locations and public input.





Recommendation Bracket

After evaluating the results of the study, the team developed a variety of recommendations that include maintenance and mitigation activities. Recommendations range in geographic scale and estimated cost. Funding and feasibility of maintenance items will be conveyed to Public Works. Other items are conceptual and require further investigation.

Recommendation Bracket Legend



Maintenance - Property specific concerns and potential maintenance or mitigation recommendations.



Local Capital Improvement - Intersection and road segment related concerns with midscale maintenance and mitigation recommendations.

Regional Solution - Area wide concerns and large-scale mitigation measures.

Some things to consider:

- There may be trade-offs with implementing some of these recommendations.
  - Financial (Special Assessments may be necessary, depending on the improvement)
  - Impacts to Natural Areas/Trees
  - Land Acquisition/Easements

- Some larger recommendations will require further investigation and preliminary engineering

- We want to hear from you – (DOTS)

Open House Session

Please spend some time walking the room, check out the materials and boards for information. If you have questions, please let us know.

Check for updates and more information to come here:
url.a2gov.org/drainagestudies

