



DEPARTMENT OF  
**PUBLIC  
WORKS**

## MEMORANDUM

**Date:** October 7, 2025  
**To:** Utilities Committee  
**From:** Laura Jungwirth, Director of Public Works  
Pete Neuberger, Deputy Director of Public Works/City Engineer  
**Subject:** Providence Trails Drainage Study Findings and Recommendations

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Following severe rainfall events in July 2024, the Department of Public Works (DPW) compiled a list and an initial review of flooding reports. DPW then identified the highest priority areas for further analysis beginning in late 2024 and through 2025. These areas include a consultant-led study in the Northland-Bellaire watersheds, as well as a DPW staff-led study in the Providence Trails area located south of Ashbury Drive, west of Providence Avenue, and north/east of the recreational trail.

After providing courtesy notices to residents in the Providence Trails Drainage Study area, DPW staff presented initial drainage study findings that included three potential alternative approaches at the September 23<sup>rd</sup> Utilities Committee. DPW staff have considered additional input received during and after the Utilities Committee meeting from elected officials and other stakeholders.

DPW staff used the information gained since the meeting to make further model refinements, the most significant of which is the addition of one more residence reported as impacted by surface flooding on the north side of Sableridge Drive in the vicinity of Yard Drain AZ-48.

With the added input and analysis, DPW updated the alternatives exhibits and are presenting to the Utilities Committee no significant changes to the alternatives presented to the Utilities Committee for consideration at this time. The modeled alternatives include the following summaries:

Alternative 1: Lot Improvements

- Public infrastructure: Replace up to 14 Yard Drain Inlet Castings
- Private improvements at the discretion of homeowners
- Estimated Cost to Stormwater Utility: \$25,000

#### Alternative 2: ROW Improvements

- 1,800 Lineal Feet of Storm Sewer Main Upsize (up to 54") – Fallcreek Lane from Apple Creek to Sableridge Drive
- 480 Lineal Feet of Yard Drain Lead Upsize – 3 Easements South of Fallcreek Lane
- 460 Lineal Feet of New 24" Storm Sewer – Providence Ave to Apple Creek
- Add Dry Pond Flood Storage South of Apple Creek Trail
- Replace up to 14 Yard Drain Inlet Castings
- Private improvements at the discretion of homeowners
- Estimated Cost to Stormwater Utility: \$1,600,000

#### Alternative 3: ROW/Easement & Lot Improvements

- 164 Lineal Feet of Yard Drain Lead Upsize – 1 Easement South of Fallcreek Lane
- 460 Lineal Feet of New 24" Storm Sewer – Providence Ave to Apple Creek
- Add Dry Pond Flood Storage South of Apple Creek Trail
- Replace up to 14 Yard Drain Inlet Castings
- Private improvements at discretion of homeowners
- Estimated Cost to Stormwater Utility: \$330,000

#### **DPW Recommendation**

**DPW staff recommend that the Utilities Committee and Common Council approve DPW to pursue public infrastructure improvements per Alternative 3 for construction in 2026, dependent on Stormwater Capital (account 5230) funding, and the time necessary for DPW to develop engineering plans and a bid package, as well as to obtain any permits needed.**

DPW staff note that implementation of Alternative 3 public infrastructure does not preclude future implementation of additional mitigation improvements identified in Alternative 2, or the ability of property owners to implement mitigation measures on their respective properties.

DPW staff anticipate the 2024D study will be completed in spring 2026, which will offer additional information to elected officials regarding other potential City flood mitigation projects and associated cost estimates, along with the opportunity to reconsider potential Stormwater Utility project priorities and timelines for this and other locations.