

7. A.

## CITY OF FLAGSTAFF STAFF SUMMARY REPORT

**To:** The Honorable Mayor and Council

**From:** Brad Hill, Water Services Director

**Co-Submitter:** Chris Kirkendall

**Date:** 06/14/2017

**Meeting Date:** 06/20/2017



---

### TITLE:

**Wildwood Hills Flooding:** A collaborative approach to a solution.

### RECOMMENDED ACTION:

None. Staff seeking direction from City Council.

### Executive Summary:

Wildwood Hills Mobile Home Park (Wildwood Hills) is located on the south-side of west Route 66 before Woody Mountain Road. Wildwood Hills has experienced flooding within its mobile home park for the past several decades since it receives stormwater flows from several different upstream areas and their on-site drainage infrastructure is undersized to handle high flows. On August 3, 2016, the general area around Wildwood Hills experienced a 100-year storm event with an estimated rainfall amount of 2 inches in 45 minutes. This storm event produced a high flow rate of approximately 200 cubic feet per second (CFS) resulting in serious flooding.

The goal of this collaborative effort between the City and Vintage Partners is to help mitigate upstream flows entering Wildwood Hills. The City is recommending to construct a new 4.97 acre foot detention basin upstream of the mobile home park on property soon to be owned by Vintage Partners in order to reduce the 100-year flow rate. This proposal will reduce flows entering Wildwood Hills by approximately 60% (i.e., ~200 CFS to 78 CFS). The proposed detention basin will provide 10 feet of water storage capacity and a permanent pool depth of 4 feet.

Vintage Partners is proposing to either donate to the City or provide an easement over a portion of their property where the detention basin is to be constructed. This will allow for the public to access the detention basin pond as a public amenity.

### Financial Impact:

City staff is currently putting together a funding plan for Council's consideration at a future date. The Engineer's Estimate to complete final design and construct the detention basin is \$306,000.

**Policy Impact:**

None.

**Connection to Council Goal, Regional Plan and/or TeampFlatstaff Strategic Plan:**

Goal WR.5. Stormwater and Watershed Management: Manage watersheds and stormwater to address flooding concerns, water quality, environmental protections, and rainwater harvesting.

**Previous Council Decision on This:**

none

---

**Attachments:**    WildwoodHills\_Solution



TEAM FLAGSTAFF



# Wildwood Hills Flooding

a collaborative approach  
to finding a solution





## Wildwood Hills Flooding

- Location: south of west Route 66, before Woody Mtn Road
- Historically experienced periodic flooding for the past several decades. Many trailers are constructed within low areas  
1 significant storm event in 2016
- Public – Private partnership solution (City & Vintage Partners)
- Creation of a Detention Pond upstream of the subdivision -  
Reduce flows by ~60% / Public amenity w/FUTS access, etc.
- 2-part Presentation tonight: Utilities/Stormwater and  
Vintage Partners



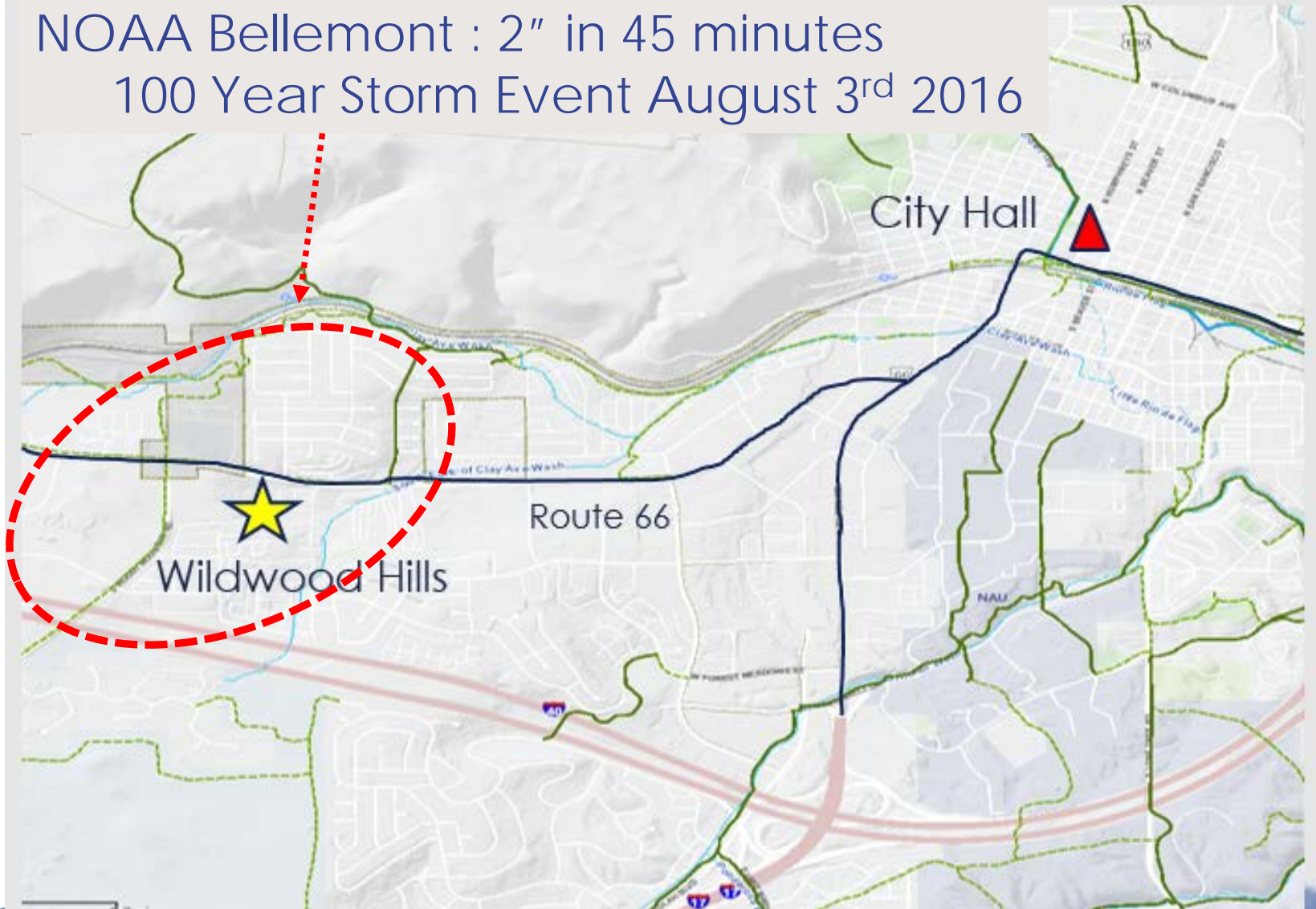




# TEAM FLAGSTAFF



NOAA Bellemont : 2" in 45 minutes  
100 Year Storm Event August 3<sup>rd</sup> 2016







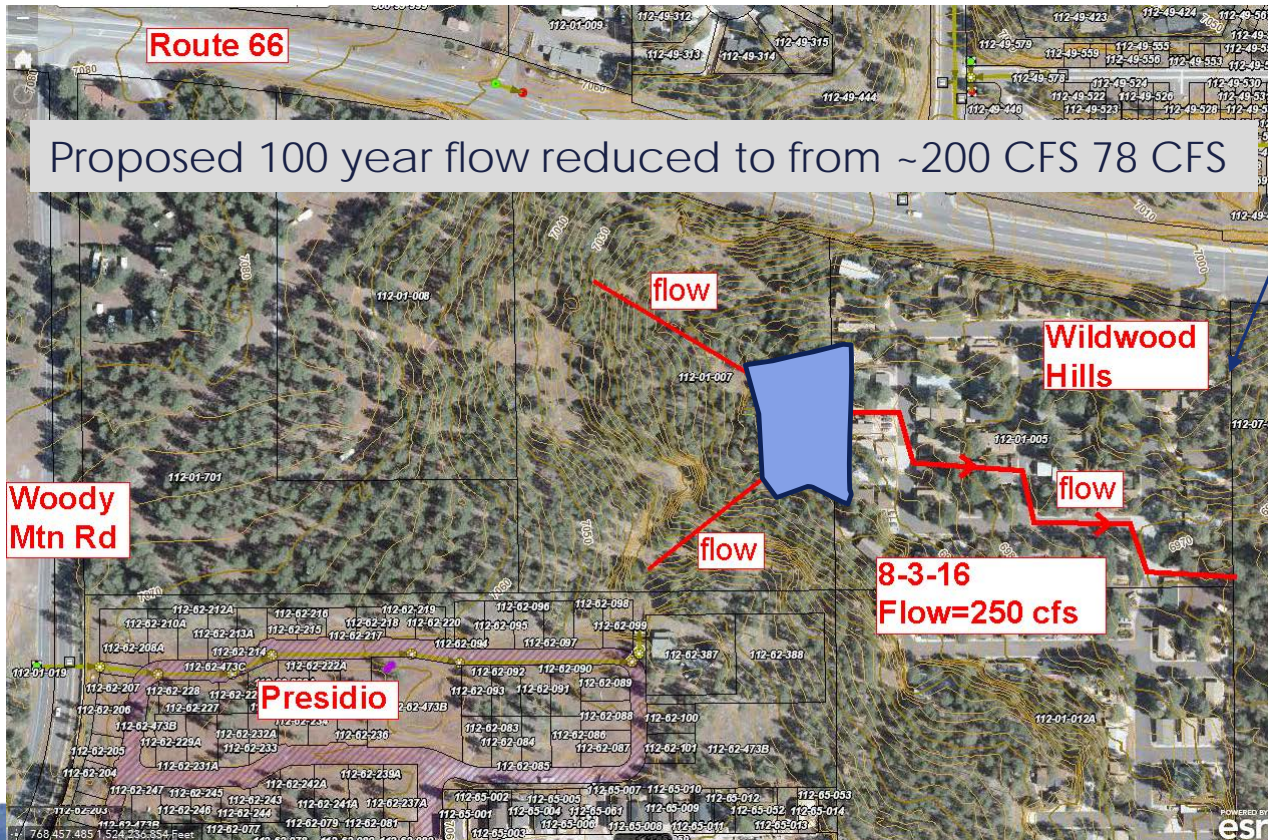
# TEAM FLAGSTAFF



## Proposed Drainage Detention Pond Structure

Vintage Property

Wildwood Hills Subdivision



~60%  
reduction  
in flow entering  
Wildwood  
Hills



## Proposed Funding

- Project is a Stormwater Fund expenditure
- Appropriation will be transferred if needed
  - Water Fund Contingency (\$1M)
- Stormwater Sources
  - Fund Balance capacity
  - FY 2019 CIP program plan
- In order to maintain a Minimum Fund Balance
  - Possible Revenue Transfer in FY 2018 from Water Fund
  - Stormwater Fund transfers back in FY 2019





# TEAM FLAGSTAFF



Walter's part of the presentation

