



Museum Fire Flood Projects

April 20, 2023

Welcome to the City of Flagstaff's Museum Fire Flood Projects eNews. Please email info@museumfloodprojects.com with any questions. These eNews will be released regularly to provide updates on all the City's Museum Fire Flood Projects.

BACKGROUND

On July 21, 2019, the Museum Fire broke out in the Dry Lake Hills area just north of Flagstaff within the Coconino National Forest. The fire ultimately charred 1,961 acres, including a significant portion of the Spruce Wash Watershed. Flood modeling subsequently showed potential flood risk to neighborhoods in Coconino County and the City of Flagstaff. Both the City of Flagstaff and Coconino County Flood Control District immediately took extensive measures and precautions to mitigate damage from flood events.

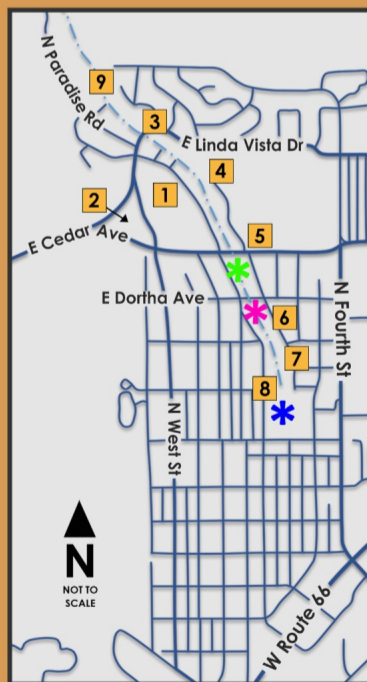
Throughout the summer of 2021, unprecedented rain events impacted the Museum Fire burn scar and caused multiple rounds of flash flooding in Flagstaff neighborhoods. The City of Flagstaff continues to collaborate with both the public and private partners to lessen the impact of flooding in the affected Flagstaff neighborhoods.

CONTRACTOR SELECTED TO DELIVER SEVEN PROJECTS FUNDED BY PROP 441

The City of Flagstaff has selected Eagle Mountain Construction as its Construction Manager at Risk (CMAR) to deliver seven flood mitigation infrastructure projects in the Spruce Wash. The Phase II Feasibility Study conducted by Peak Engineering has identified seven projects to be constructed with the \$26 million in funding from Prop 441. These projects will help to mitigate post-wildfire flooding in the Spruce Wash. A short description of each project is listed below. The seven projects are funded by Prop 441 and will be constructed in addition to the Park Way Basins and the Killip Basins Inlet, which are funded through other sources.

1. Grandview Drive Reconstruction: Grandview Drive will be reconstructed from a crowned street with rolled curb to an inverted crown street with vertical curbs. The joining cul-de-sacs will also be reconstructed with new curb, gutter and pavement. New water and sewer mains and services will replace aging facilities in the areas of street reconstruction.
2. "The Wedge" Detention Basin: A detention basin that would receive diverted flows from Spruce Wash.
3. Linda Vista Drive Crossing: A new box culvert crossing will be constructed to replace the existing corrugated metal pipes, which will reduce the potential for overtopping of Linda Vista Drive.
4. Cedar Avenue to Linda Vista Drive Channel: The channel will be re-graded and hardened to improve capacity for stormwater runoff conveyance.
5. Cedar Avenue Crossing: The Spruce Wash channel will be reconstructed to convey a higher flow rate. The existing box culvert drop inlet will be reconstructed to match the new channel flow line, and the existing box culvert under Cedar Ave will be evaluated and potentially upsized.
6. Arroyo Seco Drive to Dortha Avenue Channel: The channel will be re-graded and hardened to improve capacity for stormwater runoff conveyance.
7. Arroyo Seco Drive Inlet: A reconstructed inlet structure for the purpose of increasing the inlet capacity to capture more stormwater into the existing 60-inch storm drain.
8. Killip Basins Inlet: An inlet structure will be constructed into the Killip School Regional Detention Basins to connect the basins to the existing stormwater conveyance to provide a controlled flow into the detention basins.
9. Park Way Basins: A series of basins designed to capture debris and sediment to reduce the risk of stormwater infrastructure clogging downstream.

All of these projects are tentatively scheduled to be completed by 2026, with design and construction phases for each project phased as efficiently as possible. More information on these projects, including specific project timelines, will be shared with residents as they become available.



Key Flood Projects

1. Grandview Drive Reconstruction
2. "The Wedge" Detention Basin
3. Linda Vista Drive Crossing
4. Cedar Avenue to Linda Vista Drive Channel
5. Cedar Avenue Crossing
6. Arroyo Seco Drive to Dortha Avenue Channel
7. Arroyo Seco Drive Inlet
8. Killip Basins Inlet
9. Park Way Basins

Completed Key Flood Projects

- Spruce Wash Channel Improvements Project (Cedar Avenue to Dortha Avenue)
- Spruce Wash Channel Improvements Project (Dortha Avenue Inlet)
- Killip School Regional Detention Basins Project

Stay Connected

Electronic Newsletters

The City will send out electronic newsletters (such as these) on a regular basis as these projects progress.

To receive eNewsletters, as well as notifications of Museum Flood Project updates scheduled at City Council meetings, send a request to: info@museumfloodprojects.com.

Additional questions?

Please email: info@museumfloodprojects.com

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For more information on these projects and important resources, visit museumfloodprojects.com