



UTILITY PROJECT

City of Prescott Master Area Drainage Study

MAY 4, 2022

Holistic Engineering and Land Management (HELM) was awarded the design contract for the new Master Area Drainage Study and the FEMA Grant funds for the updated flood studies.

The original Master Area Drainage Study (MADS) was completed by Arroyo Engineering in 1999. The new MADS will reflect the significant changes in drainage by accounting for development, newer/better topographic data, and more accurate NOAA Atlas 14 rainfall data. The new flood study will determine the flow magnitudes, flow depth and flow velocities for the 10-, 100- and 500- year flooding events. The study will utilize a new

2-dimensional model to update the hydrology and hydraulics and be considered best available data to be used for all future planning studies and design and has been used for the Federal Emergency Management Agency (FEMA) Letter of Map Revisions (LOMRs) study for Golf Links Wash. The Golf Links Wash LOMR has been approved by FEMA to update the hydrology for the entire City and remap the Golf Links Floodplain. The new Golf Links Wash LOMR became effective in May 2021.

The revised flood hazard mapping studies provides residents and business owners more accurate regulatory floodplain limits, which helps to determine the need for flood insurance. Additionally, the new 2-dimensional models can be provided to developers to aid in creating plans for future development.

City staff has received a grant from the Department of Homeland Security - FEMA Region 9 and approved the contract with HELM to restudy floodplain areas for Virginia Street Wash, North Fork Miller Creek, North Fork Granite Creek, Miller Creek, Granite Creek, and portions of Willow Creek floodplain areas. The new flood study will be based off the City's new 2020 aerial topography. Final LOMR and submittal to FEMA is anticipated this month. FEMA requires a 90 day review period one the LOMR is submitted.

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<https://www.prescott-az.gov/business-development/city-construction-projects/>

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