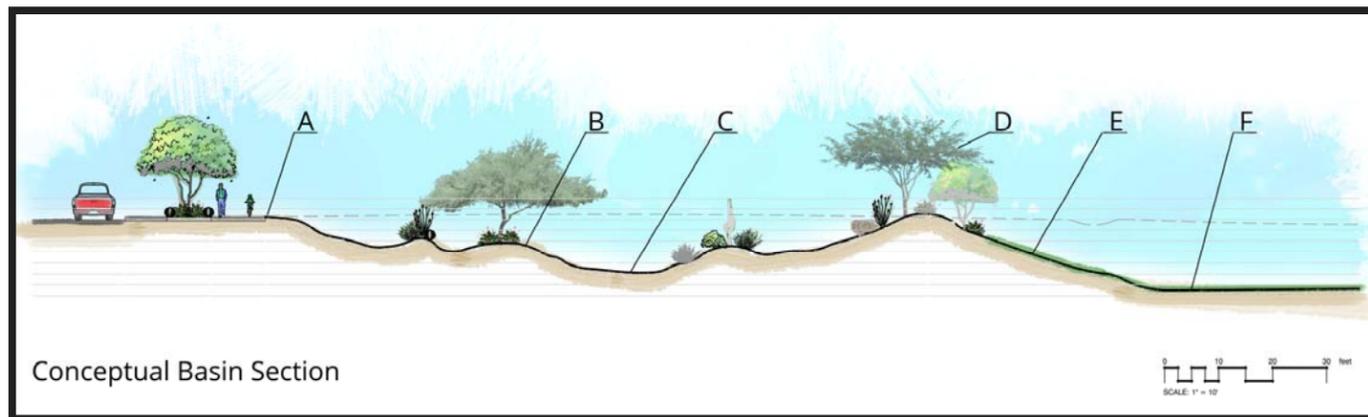


The cross section provided below shows a range of potential landscape restoration treatments for both Areas 1 and 2 established as part of this plan. Highlights include:

- A. Create an enhanced natural landscape buffer ranging between 30 and 100 feet wide around all basin areas. Buffer areas will help maintain visual access into open space and park areas and may include multi-use trails.
- B. Utilize irregular landform shaping of basin sites to create visual interest, provide separation between use areas, and mimic natural drainage systems.
- C. Shape basin and conveyance bottoms to accommodate necessary drainage goals and contain erosion and sedimentation, while creating subtle land forms that mimic natural wash systems.
- D. Incorporate native and desert-adapted vegetation that can be more easily maintained and reflects the desired neighborhood character.
- E. Utilize gradual side slopes (6:1 maximum) in recreational use areas.
- F. Provide gradually sloping turf areas that accommodate recreation use within Circle K Park.



WHAT HAPPENS NEXT?

Once completed, the Hohokam ADMP will be submitted to the Flood Control District Advisory Board and the Flood Control District Board of Directors for endorsement and adoption. The District and the City will work together to implement the proposed drainage elements of the recommended plan based upon priority and as funding becomes available to the City and the District. During the design phase, public meetings will be held to inform the community and receive input.

CONTACT TO LEARN MORE

Afshin Houraiyan, Project Manager
 Flood Control District of Maricopa County
 2801 West Durango Street
 Phoenix, Arizona 85009
 (602) 506-4519
 afa@mail.maricopa.gov

Hohokam Area Drainage Master Plan

STUDY PURPOSE

The Flood Control District of Maricopa County (District), in association with the City of Phoenix (City), is conducting the Hohokam Area Drainage Master Study/Plan (ADMS/P), a two-phase regional flood control planning project intended to identify flooding problems and recommend improvements to reduce flooding hazards in the study area. The study area is 28 square miles bounded by I-10, the Salt River, South Mountain Park and approximately 19th Avenue (see the map below).



PROGRESS

Phase I of the project, the Hohokam ADMS, was the investigative phase to determine existing flooding conditions and identify potential flooding hazards. It was completed in January 2012. The ADMS included data collection, site investigations, and the creation of a computer model to determine study area drainage patterns and estimate rainfall runoff. In addition, the ADMS included a community assessment to identify compatible flood control measures and opportunities for community enhancement. Public meetings were held in May 2011 to inform the community of the study and to request information on existing drainage and flooding conditions in the study area.

Phase II, the Hohokam ADMP, will be completed by December 2013. This phase included identification of eight flood-prone areas where multiple options for potential flood control improvements were formulated and analyzed. Public meetings were held on January 31 and February 5, 2013 to provide an update on the study progress and present information on potential flood control measures under consideration. Based on public input and other criteria a final recommended plan was selected for two of the identified flood-prone areas. The final ADMP report includes the recommended plan, provides a strategy for implementation, and establishes guidelines for landscaping and multi-use facilities.

The recommended plan was presented to the public December 2013.



RECOMMENDED PLAN

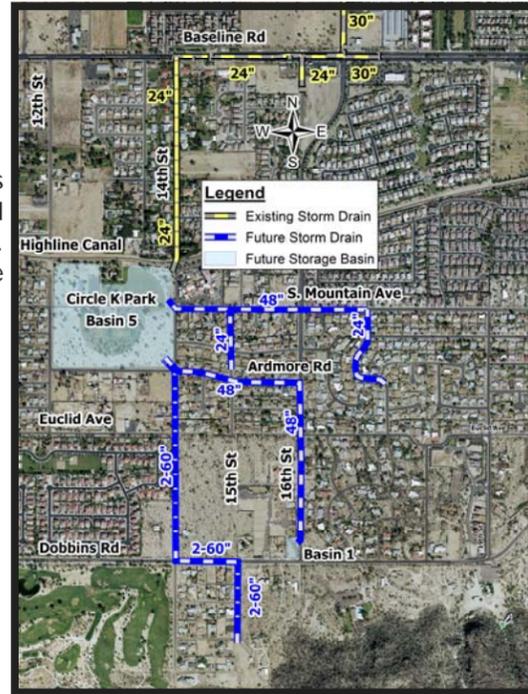
Area 1: Circle K Park and the 16th St Corridor

Flooding Issues

Mountain runoff, local street drainage and the lack of stormwater facilities contribute to potential flooding in the area. Street flooding along 15th and 16th streets results in potential flooding of adjacent residential properties. The concentration of floodwater along the Highline Canal creates the potential of overtopping of the canal and flooding of properties.

Elements of the Proposed Improvements

- Proposed improvements will provide a 10-year (10% annual chance) level of flood protection (see exhibit).
- Storm drains and inlets will capture mountain runoff from two primary flooding sources along Dobbins Road at 16th and 15th streets. The collected runoff will be conveyed in new storm drains on 16th Street, 14th Street, Ardmore Road and South Mountain Avenue, and will flow to a new detention basin in Circle K Park.
- Circle K Park will be redesigned as a multi-use facility, incorporating a flood control basin and park. Storm drains will outlet to detention basins integrated into the redesign of the park. The basins will vary from 6-12 feet in depth and will be drained by a recently constructed storm drain line along 14th Street.



Proposed improvements for Area 1

Area 2: 20th St Corridor

Flooding Issues

An unnamed wash from South Mountain Park creates flooding along 19th Street and South Mountain Avenue. East of 20th Street, the existing storm drains discharge mountain runoff directly into streets, resulting in flooding of the area. There is also a potential of the Highline Canal overtopping and flooding properties north of the canal.

Elements of the Proposed Improvements

- Proposed improvements will provide a 10-year (10% annual chance) level of flood protection (see exhibit).
- Detention basin 10 located at 20th Street and Dobbins Road will intercept and detain mountain runoff before discharging to an existing storm drain through the Siesta Foothills subdivision. The existing storm drain will be connected to a proposed storm drain along Euclid Road. The basin will vary from 5-12 feet in depth.
- Storm drains and inlets on 20th Street, Euclid Avenue and 21st Place will capture runoff from the mountains and street drainage and convey it to Basin 11. The Euclid Avenue storm drain will also be connected to two existing storm drain outlets on Euclid Avenue.
- A 2-foot-high wall and channel grading is recommended to help contain flow within the unnamed wash near 19th Street.
- Storm drains and inlets on 19th Street and South Mountain Avenue will capture flows from the existing wash at 19th Street and convey it to Basin 11 along with street drainage.
- Basin 11 will serve as the outfall for area storm drains. The basin will vary from 7-16 feet in depth and will be drained by a new storm drain connected to an existing storm drain on Baseline Road.



Proposed improvements for Area 2

AESTHETIC & MULTI-USE LANDSCAPE TREATMENTS

The District employs integrated design strategies for the design of flood hazard mitigation activities that incorporate aesthetic and multi-use opportunities, while protecting the community from the effects of flooding. As part of the ADMS, information was collected on area cultural, biological and land resources to determine the types of facilities, aesthetics and amenities that would be sensitive to area resources, compatible with the local character, and acceptable to the local community. As part of the ADMP, landscaping guidelines and themes have been developed and conceptual plans have been developed for the detention basins in Areas 1 and 2.

Area 1: Circle K Park/Basin 5

The conceptual plan for Circle K Park demonstrates how improvements to the park, including upgraded active-use facilities—such as ball fields, playgrounds, trails and parking—can be integrated with stormwater functions to meet the neighborhood’s recreational and flood control needs.

This conceptual plan is intended to show the potential opportunities available by co-locating flood control and recreation facilities. A master planning effort between the Flood Control District and City of Phoenix Parks and Recreation Department will occur in the future and input from the community will be incorporated.



A conceptual plan for Circle K Park /Basin 5.



A conceptual plan for Basin 11.

Area 2: Basins 10 and 11

Landscape treatments and multi-use opportunities in this area will be passive in nature, preserving and restoring open space to provide areas for quiet recreation in the natural environment of the Sonoran Desert.