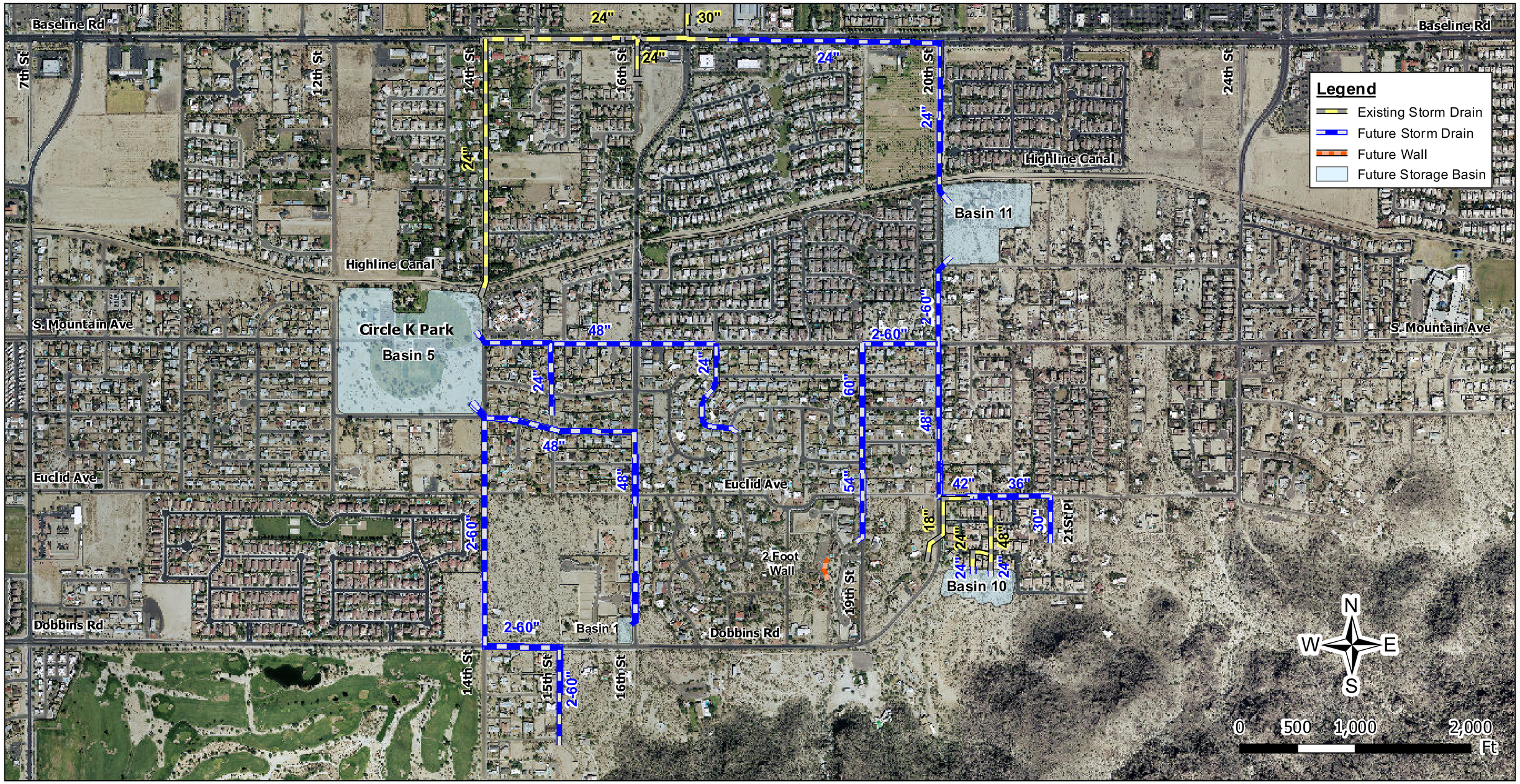
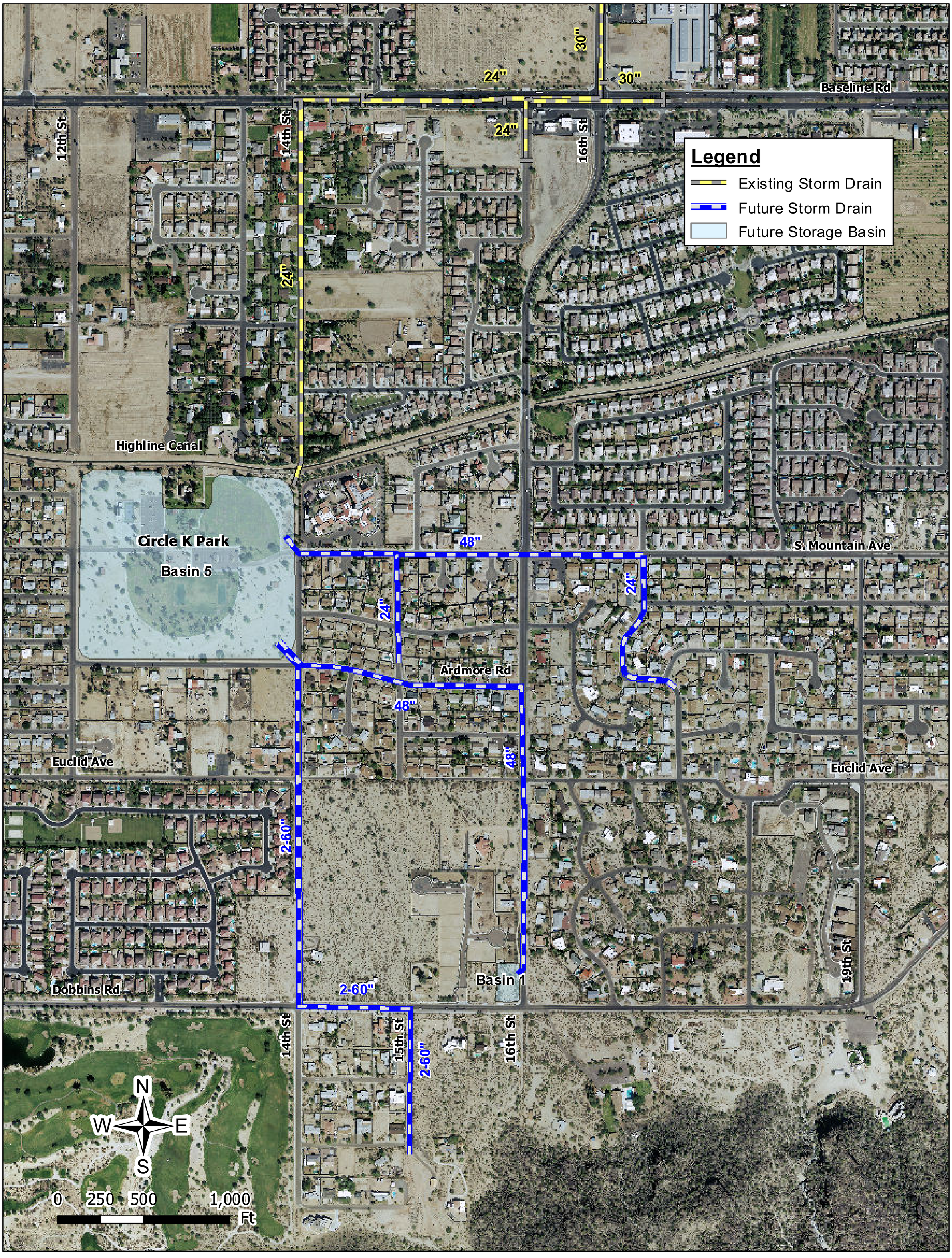
Hohokam Area Drainage Master Study/Plan

Recommended Flood Control Improvements



Hohokam Area Drainage Master Study/Plan

Recommended Flood Control Improvements - Area 1



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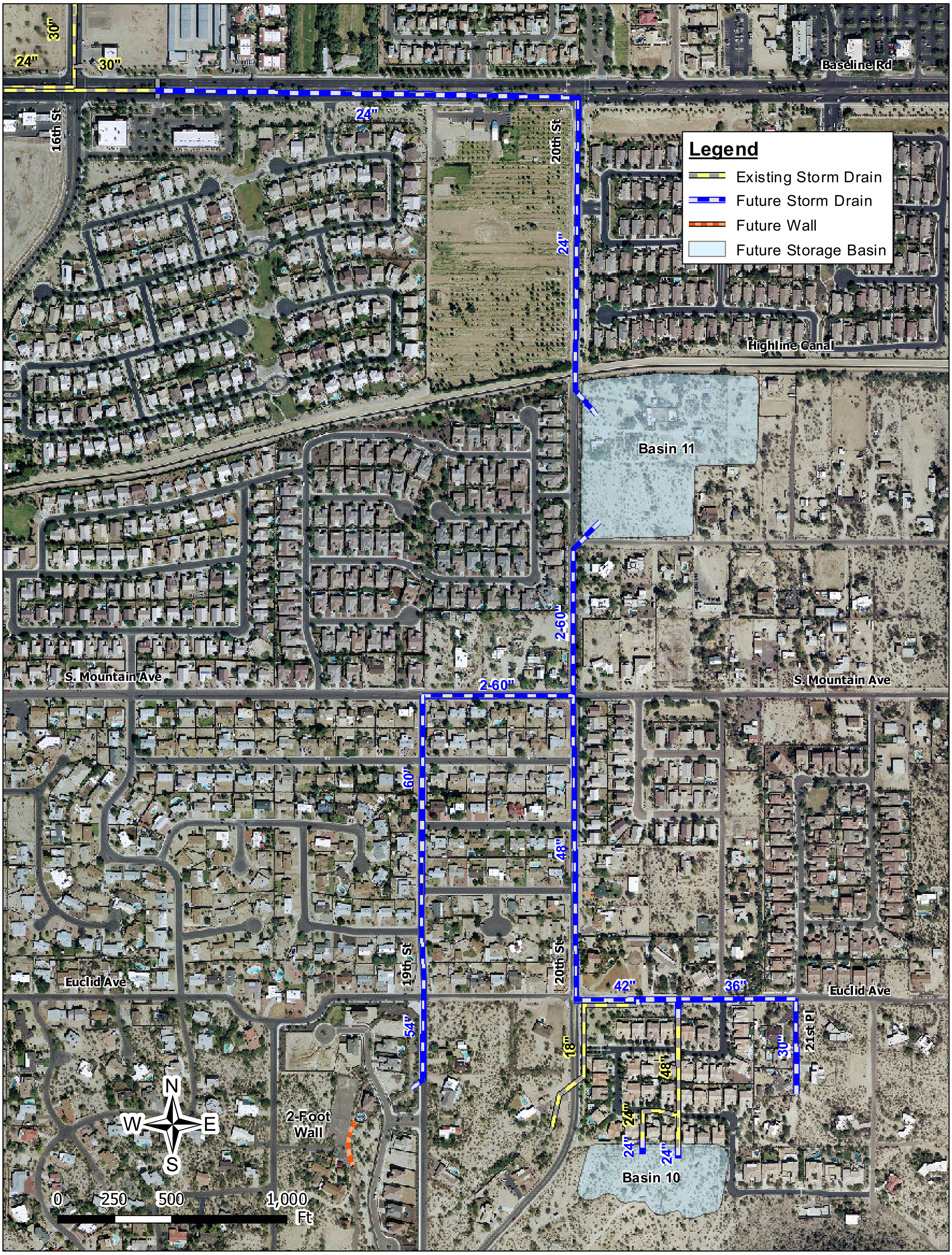
Hohokam Area Drainage Master Study/Plan

Recommended Flood Control Improvements - Area 2



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Hohokam Area Drainage Master Study/Plan

Potential Landscape Plan

Circle K Park/Basin 5 | Potential Landscape Plan

Circle K Park/Basin 5

Circle K Park is a City of Phoenix (City) Neighborhood Park that includes ballfields, court games, a playground, picnicking, parking and a Phoenix Parks regional administration building. An enhanced drought tolerant landscape buffer will create visual interest along the edge, while providing a buffer between park activities and neighboring homes and a looped multi-use path that connects to the regional Highline Canal path. The design will update existing park facilities while co-locating flood hazard mitigation facilities. The District and the City will conduct a joint planning effort where a master plan will be developed with input from the public and stakeholders. This concept represents a potential alternative, and is not final.

Flood Control Features

- Basin with meandering side slopes to provide storm water storage during flood events.
- Co-located basin in existing City of Phoenix park.
- Enhanced landscaped low flow channel for storm water conveyance.
- Side slopes and terraced grading keep the slopes gentle at 6:1 with an overall basin depth between 6 and 12 feet.

Landscape Aesthetics and Multi-use Features

- Active and passive recreation uses are included in the park.
- Enhanced drought tolerant planting along the perimeter will provide shade, screening, and visual access to the park.
- Perimeter multi-use path provides neighborhood access and exercise opportunities.
- Circulation and parking within the park are improved.
- Basin side slopes and overbank berming are organically shaped and meander to provide visual interest.

Basins with Ballfields

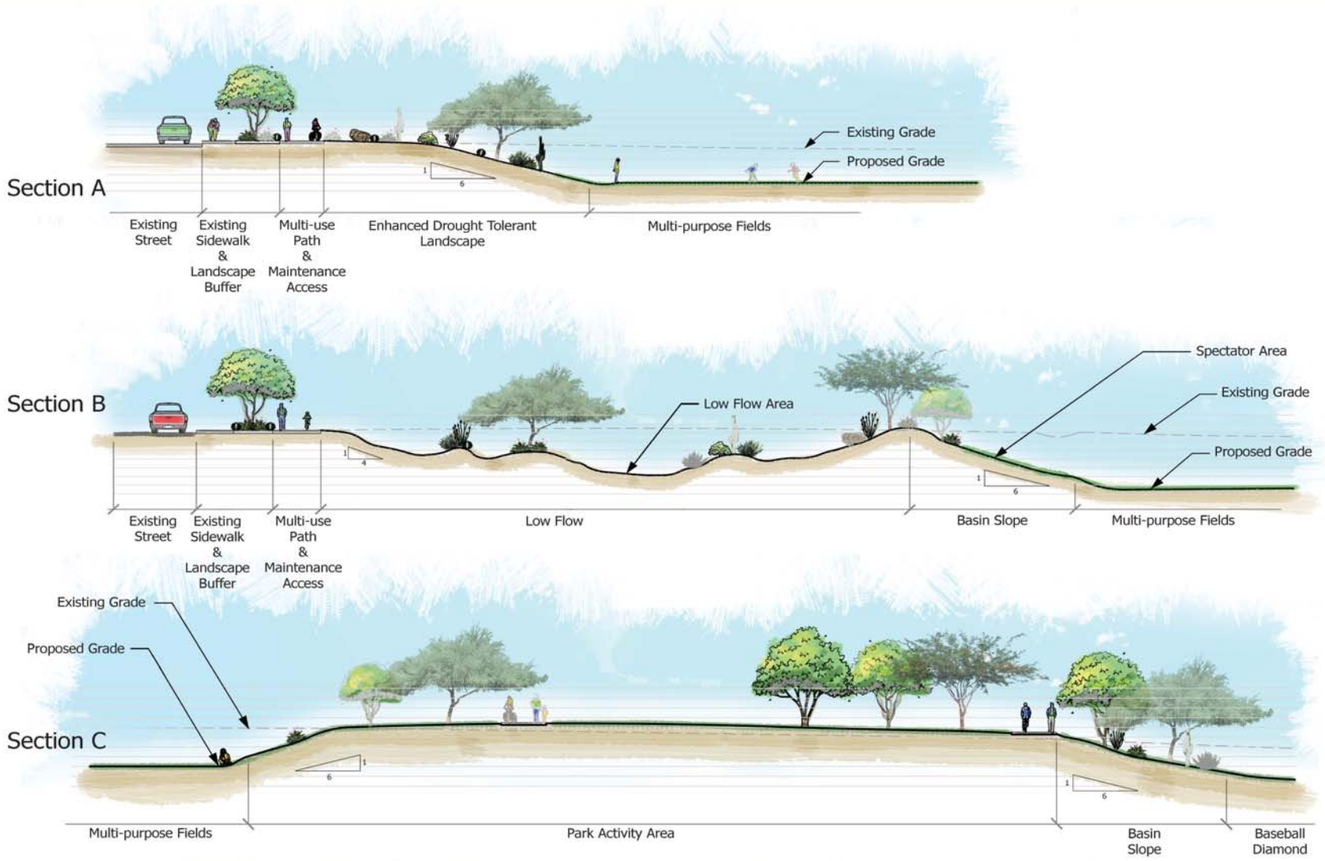
Low Flow Area

Perimeter Multi-use Path

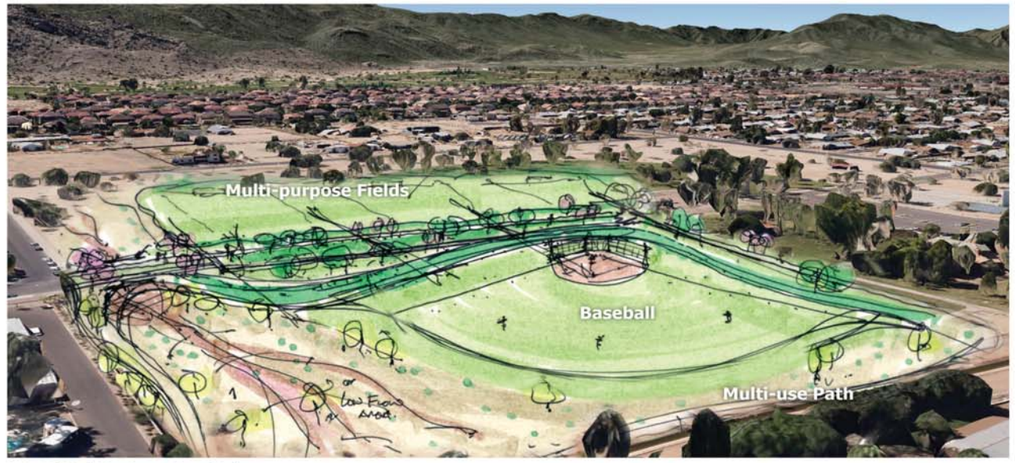
Park Design Themes

Hohokam Area Drainage Master Study/Plan

Potential Landscape Sections



Circle K Park/Basin 5 | Potential Landscape Sections



Potential Birds Eye Perspective of Park

Enhanced Desert

Desert Park

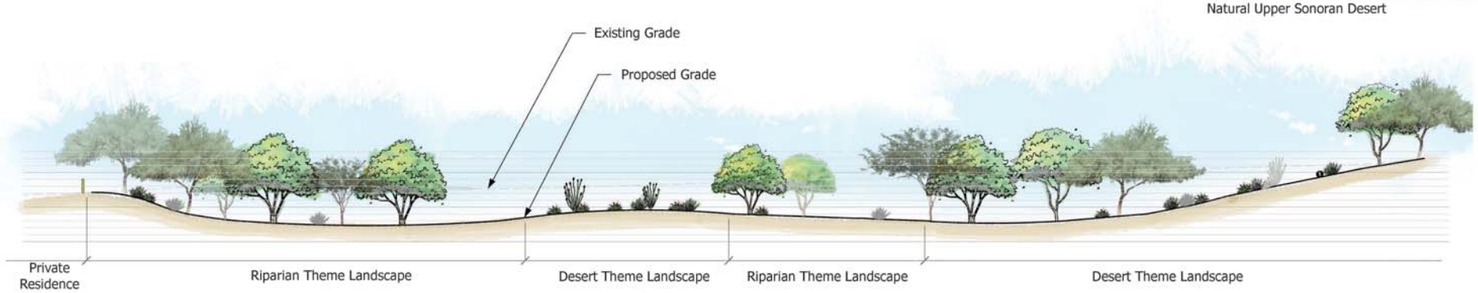
Desert Oasis

Landscape Design Themes

Hohokam Area Drainage Master Study/Plan

Potential Landscape Plan and Section

Basin 10 | Potential Landscape Plan



Section A

Basin 10 - Heard Scout Camp

Basin 10 is an open space stormwater basin that will allow for passive recreational uses similar to those that already occur at the Scout Camp site. Adjacent to South Mountain Park/Preserve, the basin area will mimic the nearby natural Upper and Lower Sonoran Desert landscapes, providing edge areas along the streets and adjacent development areas that integrate rolling topography to provide visual interest and screening.

Flood Control Features

- Reduces 10-year flooding inundation in downstream residential areas.
- Provides new inlets and sediment collection areas.
- Utilizes existing open space to provide storm water storage.
- Side slopes are gentle (4:1 max, 6:1 average) and overall basin depth is 5 to 12 feet.

Landscape Aesthetics and Multi-use Features

- Fits within existing wash contours to improve neighborhood appearance.
- Provides restoration of the Upper and Lower Sonoran Desert Landscape.
- Offers opportunities for passive recreation and wildlife habitat.
- Overall basin form is organic and curvilinear, especially along the edge of the Scout Camp.
- Basin bottom is shaped with channels that provide an environment for vegetation to establish.

Natural Upper Sonoran Desert

Natural Lower Sonoran Desert

Semi-natural Desert

Hohokam Area Drainage Master Study/Plan

Potential Landscape Plan and Section

Basin 11 | Potential Plan

Basin 11 - S. 20th St. & E. Desert Ln.

This stormwater basin will be an open space area that provides passive recreation uses for the neighborhood. Adjacent to the Highline Canal, the basin will mimic the natural Lower Sonoran Desert landscape areas, integrating rolling topography to reduce visual impact of flood control facilities. A multi-use path/maintenance access road, with potential overlooks, will connect to the regional Highline Canal multi-use path system.

Flood Control Features

- Reduces 10-year flooding inundation in downstream residential areas.
- Provides new storage and sediment collection areas.
- Side slopes are gentle (4:1 max, 6:1 average) and overall basin depth is 7 to 16 feet.

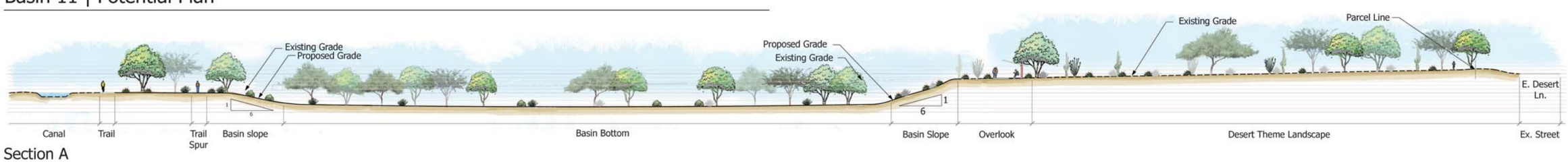
Landscape Aesthetics and Multi-use Features

- Connects the neighborhood to the regional Highline Canal trail system.
- Provides restoration of the Lower Sonoran Desert landscape.
- Offers potential opportunities for passive recreation and supports wildlife habitat.
- Improves visual and trail connections between neighborhood and open space.
- Overall basin form is organic and curvilinear, providing visual interest and wildlife habitat.
- Basin bottom is shaped with channels that provide an environment for vegetation to establish.

Natural Lower Sonoran Desert Riparian

Semi-natural Desert

Enhanced Desert



Section A

Hohokam Area Drainage Master Study/Plan

Potential Landscape Materials

Potential Park Design Elements

Athletic Fields

Trail System

Low Flow with Headwall

Gathering Places

Potential Plant Materials

Desert Park

Enhanced Desert

Semi-natural Lower Sonoran Desert

Shade Trees

Potential Hardscape Materials

Terraced Landscape Areas

Sediment Basin

Concrete Form Liner

Integral Color Concrete