



**107th Ave. and Union Hills Dr.
Design Concept Report
Public Meeting
July 2011**

Burke Lokey
FCD Project Manager

Agenda

- **Background**
- **Recommended Plan**
- **Project Status**
- **Questions**

Background

- **City of Peoria submitted CIP Request to FCD to alleviate known flooding**
- **Project advanced with additional analysis of regional drainage problems**
- **FCD initiated Project Design Concept study w/ 2 phases**
 - Phase 1 – Identify flooding problems**
 - Phase 2 – Develop a preferred alternative**

Background

Phase 1

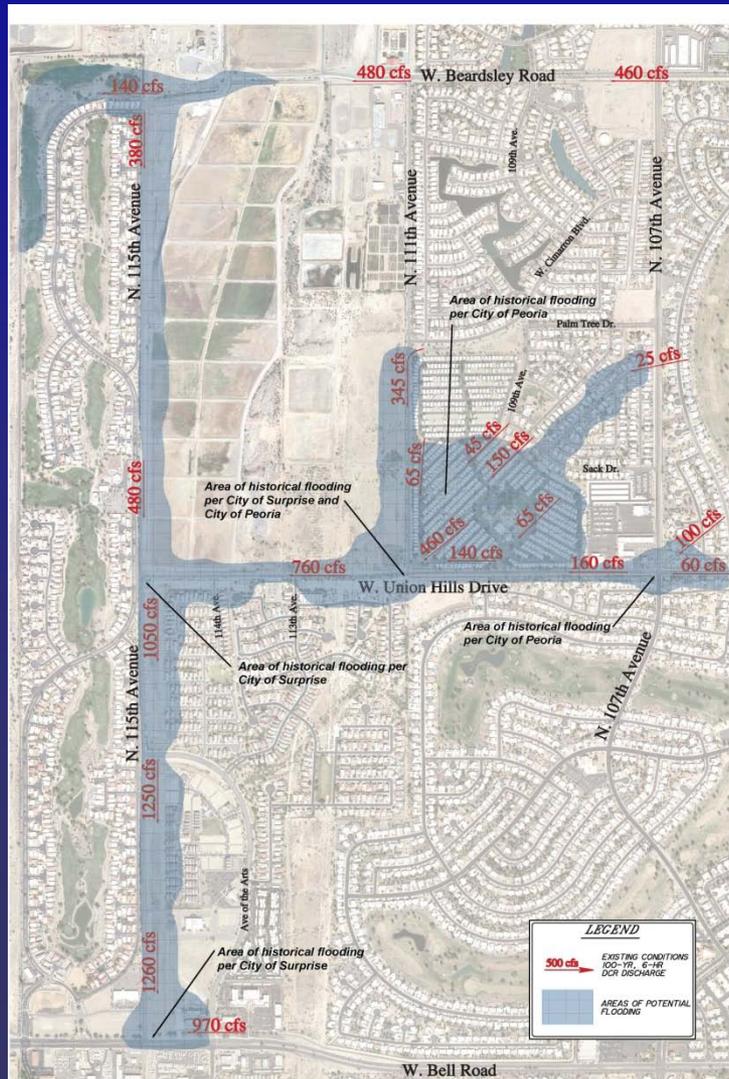
- Data Collection
- Existing Condition Analyses

Phase 2

- CSFHM Analysis and Multi-Use Opportunities
- Alternatives Comparison
- Develop Recommended Alternative & Plan



Flooding Context



AREA FLOODING

- Paradise RV Resort
- Canyon Ridge subdivision
- Coyote Lakes subdivision

STREET FLOODING

- Union Hills Drive
- 107th Avenue
- 111th Avenue
- 115th Avenue
- Bell Road

Alternatives Analysis

- **No Adverse Impacts**
- **100-Year Flooding Solution**
- **Cost Effective**
- **Coordinate Project w/ Regional Trails and Potential Recreational Facilities**

Recommended Plan

Storm Drains

- 107th Avenue
- Union Hills Drive

Channels

- Union Hills Drive
- Beardsley Diversion
- Sun City Drain (south of Bell)

Basins

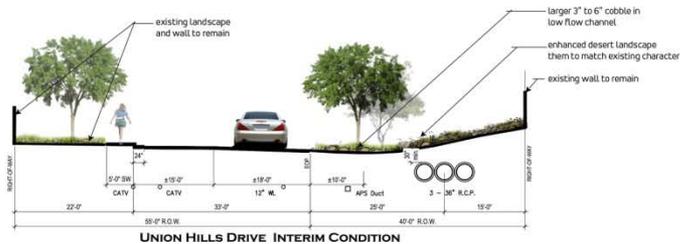
- Union Hills Drive at Peoria WWTP
- 115th Ave. and Bell Rd.



Interim Storm Drain – Union Hills Dr.



plan

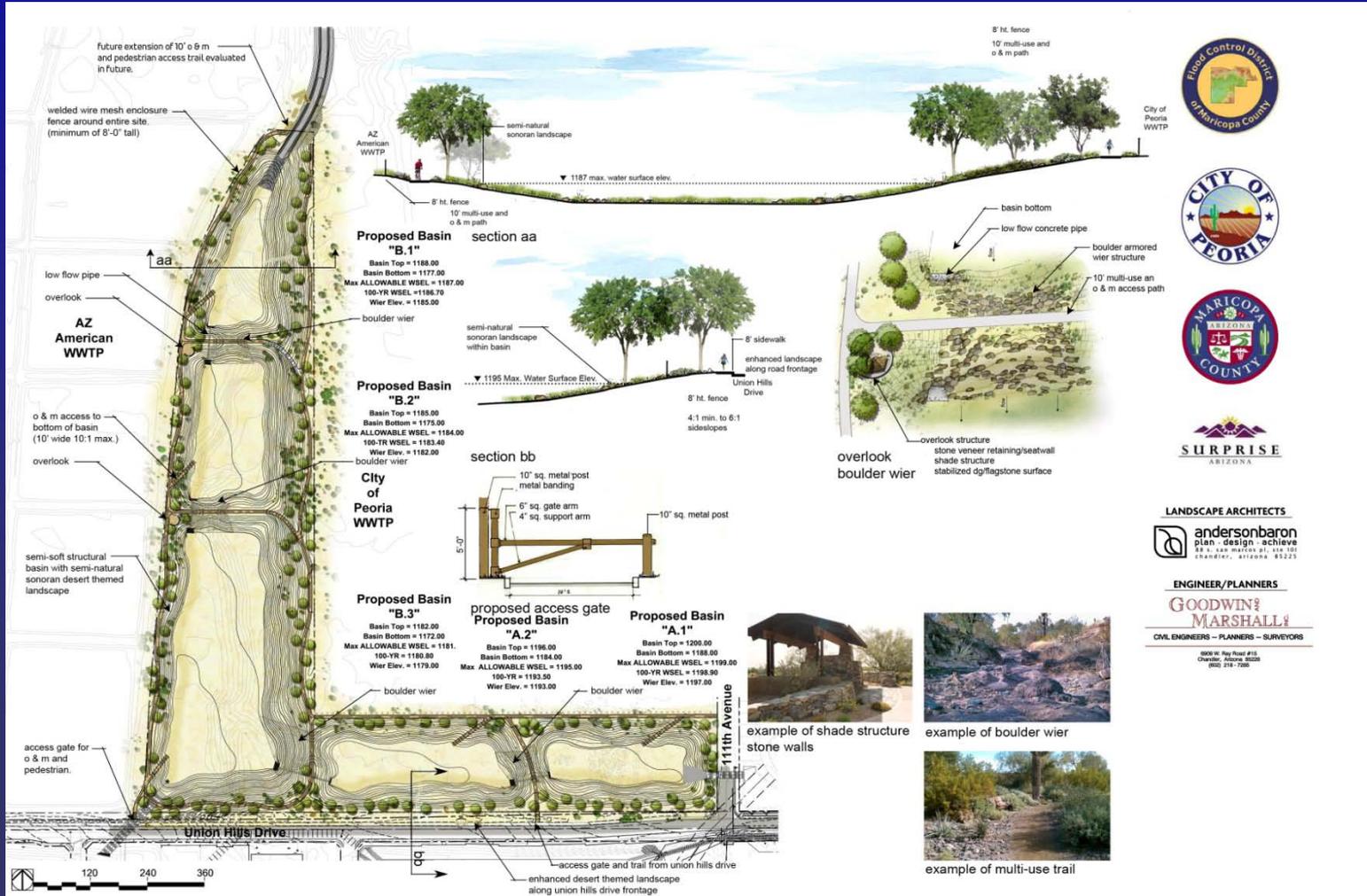


aa -section - facing east



example of enhanced desert landscape

A & B Basins at Union Hills Dr.



LANDSCAPE ARCHITECTS



ENGINEER/PLANNERS



CIVIL ENGINEERS - PLANNERS - SURVEYORS

800 W. Ray Road #113
 Chandler, Arizona 85225
 (602) 218-7500

C Basin at 115th Ave. / Bell Rd.



Project Status

- **Project Timeline**
 - ◆ **DCR Start – March 2010**
 - ◆ **Public Meeting – Dec. 2010**
 - ◆ **DCR Complete – July 2011**
 - ◆ **Recommended Plan Submitted for CIP Prioritization – FY 2011/2012**

Project Status

Next Steps

- Prepare Intergovernmental Agreement (IGA) between FCD, Peoria, & Surprise
- Final Design & ROW Acquisition – 2012
- Construction – 2013 or later



PUBLIC MEETING
July 26, 2011

Questions