

Mountain Dell Community Meeting Sinclair Wash Improvement Project

Wednesday September 14, 2016





IEA Overview

IEA – Initial Engineering Assessment

What is an IEA?

- **Study for a floodplain or drainage problem area for capital improvement project planning purposes**
- **A tool to help make informed decisions**
- **Recommendations are conceptual (not final)**

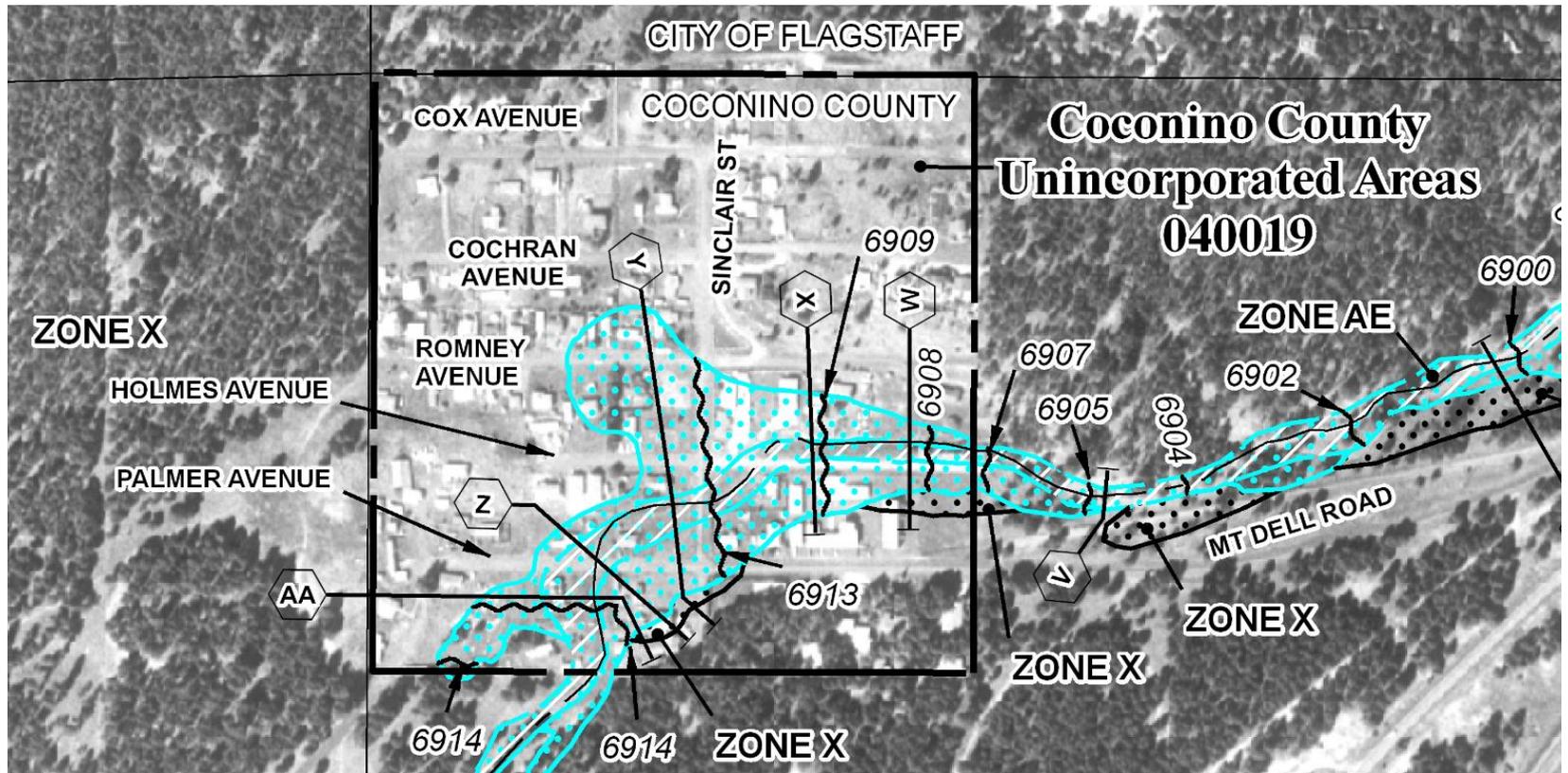


IEA Overview

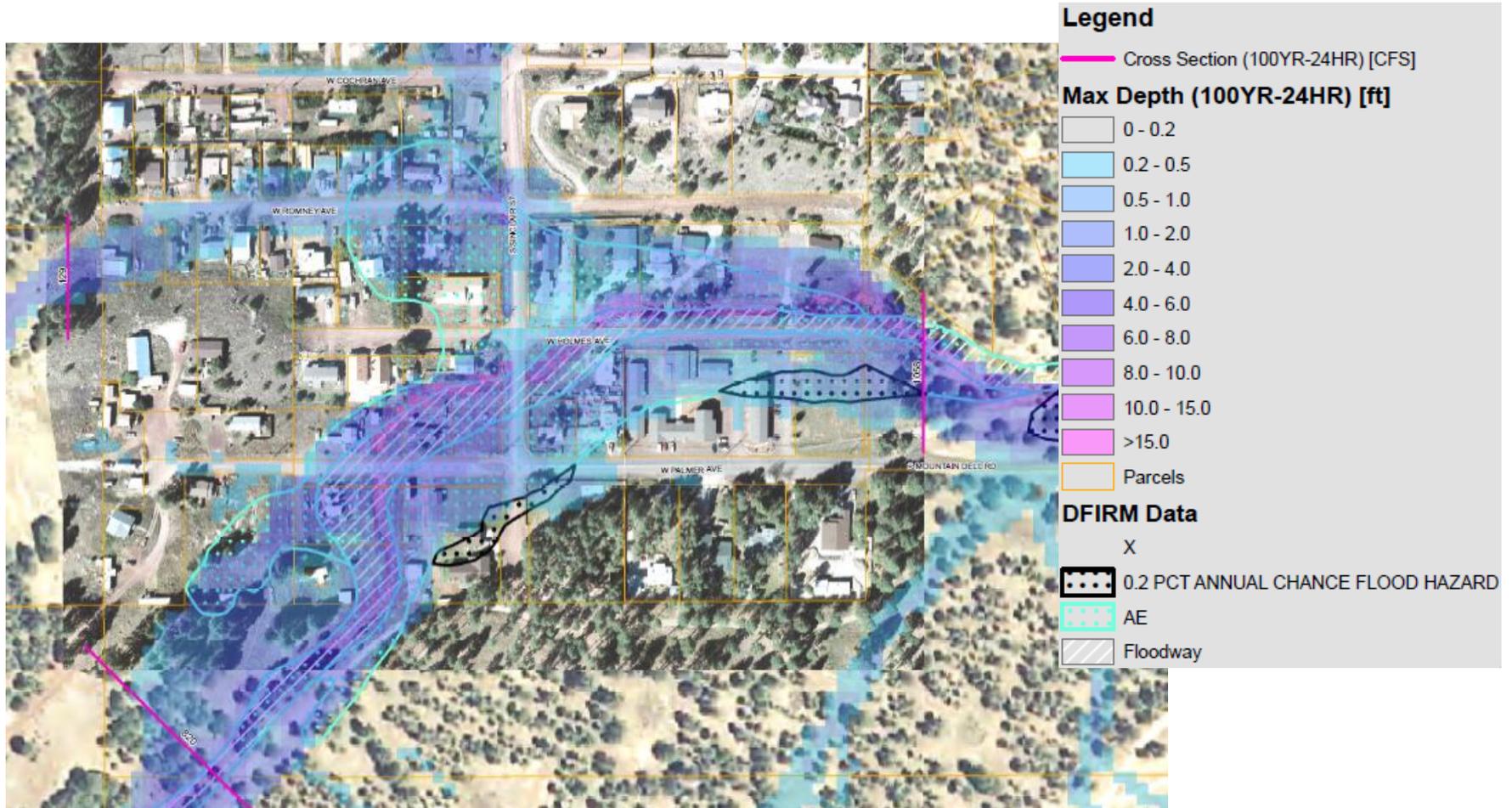
IEA Study Areas = FEMA Flood Hazard Areas within Coconino County

- **Fort Valley**
- **Mountain Dell**
- **Kachina Village**
- **Munds Park**

Mountain Dell FEMA Floodplain



Mountain Dell IEA Floodplain





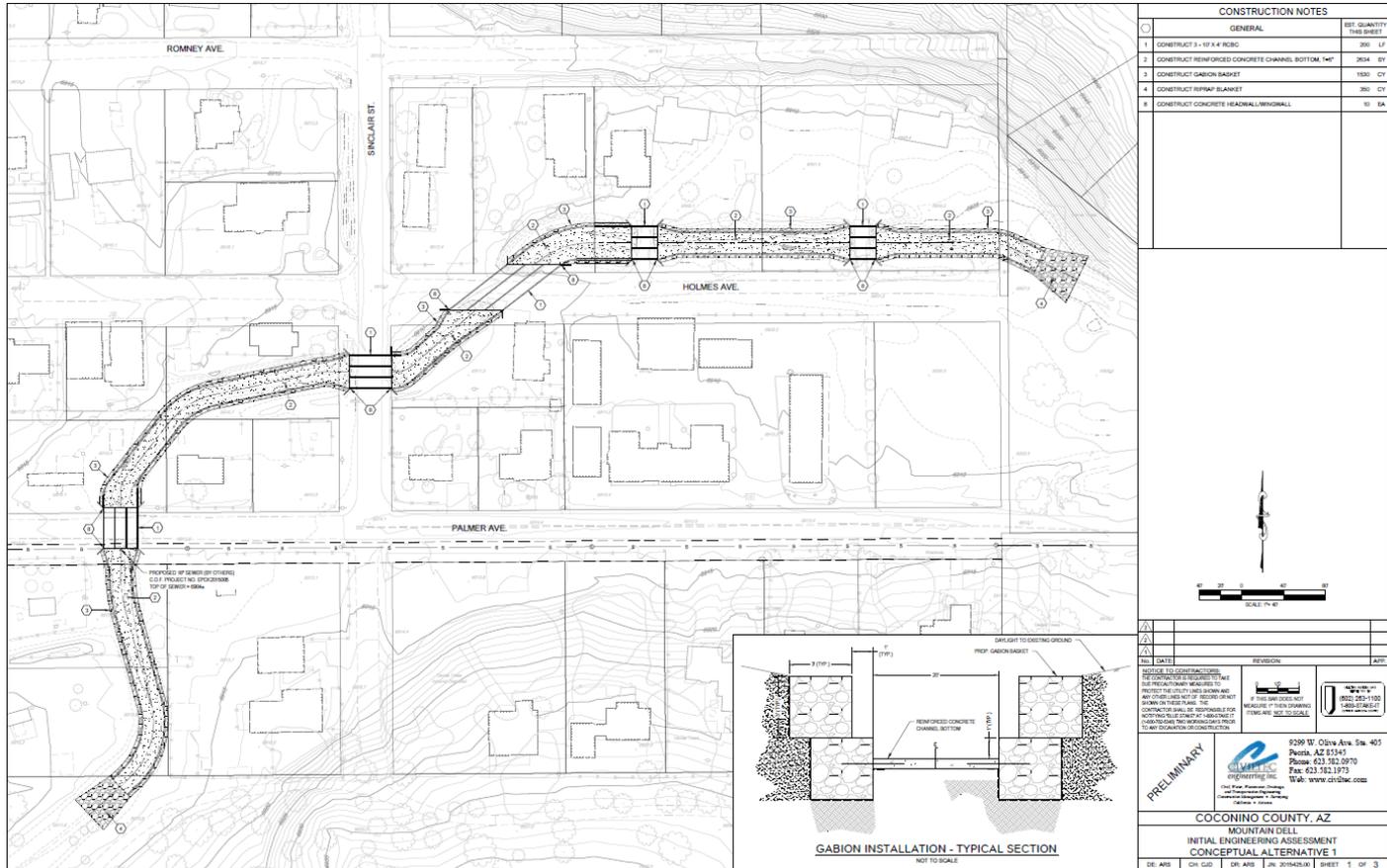
Mountain Dell IEA Results

100 Year Event Discharge for Sinclair Wash

- **FEMA Flood Insurance Study estimates a discharge of 470 cfs (~1983)**
- **IEA estimates a discharge of 1,100 – 1,400 cfs (2016)**
- **Floodplain limits similar**
- **IEA uses current data, mapping and modeling techniques/software**
- **Design to be based on IEA results**

Mountain Dell IEA Results

Recommended Conceptual Alternative





Mountain Dell IEA Results

Recommended Conceptual Alternative

- **Channel designed to convey 100 year event**
- **Box culverts designed to convey 100 year event**
- **Approximately 30 existing structures will be taken out of the floodplain**



Mountain Dell Sinclair Wash Improvements

Next Steps

- **30% (Preliminary) Design**
- **Secure all needed easements**
- **Final Design**
- **Conditional Letter of Map Revision (FEMA)**
- **Construction**
- **Letter of Map Revision (FEMA)**

Mountain Dell Sinclair Wash Improvements

QUESTIONS?

