

Government Sector

EG-S0080

Stakeholder Meeting



Pima County Regional Flood Control District
Ruthrauff Basin Management Plan

EG-S0060

EG-S0050

EG-S0040



July 24, 2014

Welcome

- * Introductions
 - * District Team
 - * Stakeholders
- * Project Purpose
 - * Develop a Comprehensive Flood Control Program
 - * Develop Drainage Alternatives
 - * Provide a Balanced Multi-Objective Approach









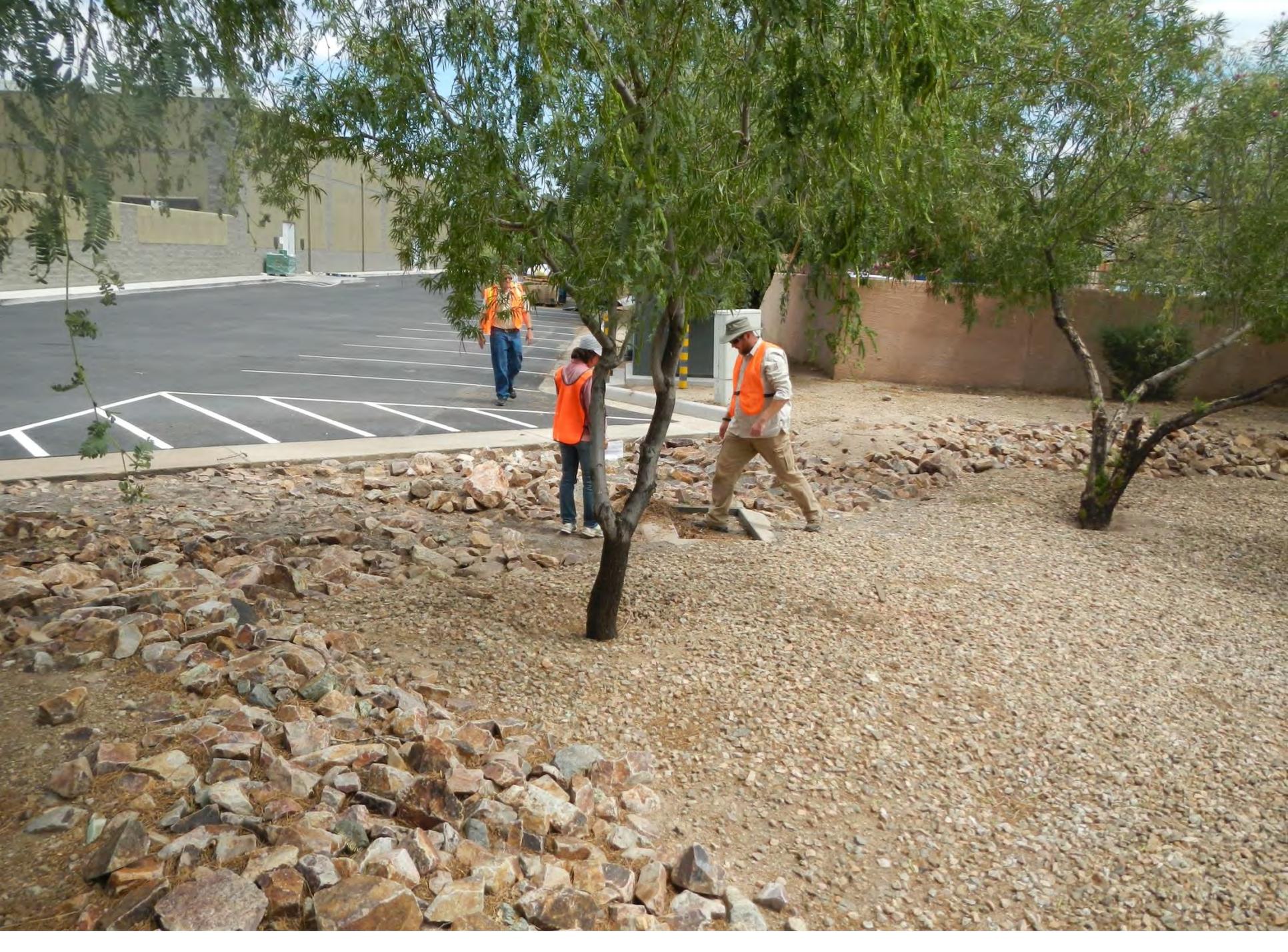
















NO
OUTLET

Agenda

- * Introductions and Opening Comments
- * Meeting Purpose
- * Project Overview
- * Stakeholder Involvement and Input
- * Summary and Next Steps
- * Adjourn

Stakeholder involvement approach

Public Meeting
May 2015

Public Meeting
April 2016

Inform

Existing
Conditions
Analysis

Involve

Preliminary
Floodplain
Delineation/
Alternatives

Include

Recommended
Alternative

Stakeholder Inform

July 2014-
October 2014

Stakeholder Involve

July 2014-
April 2016

Stakeholder Include

April 2016

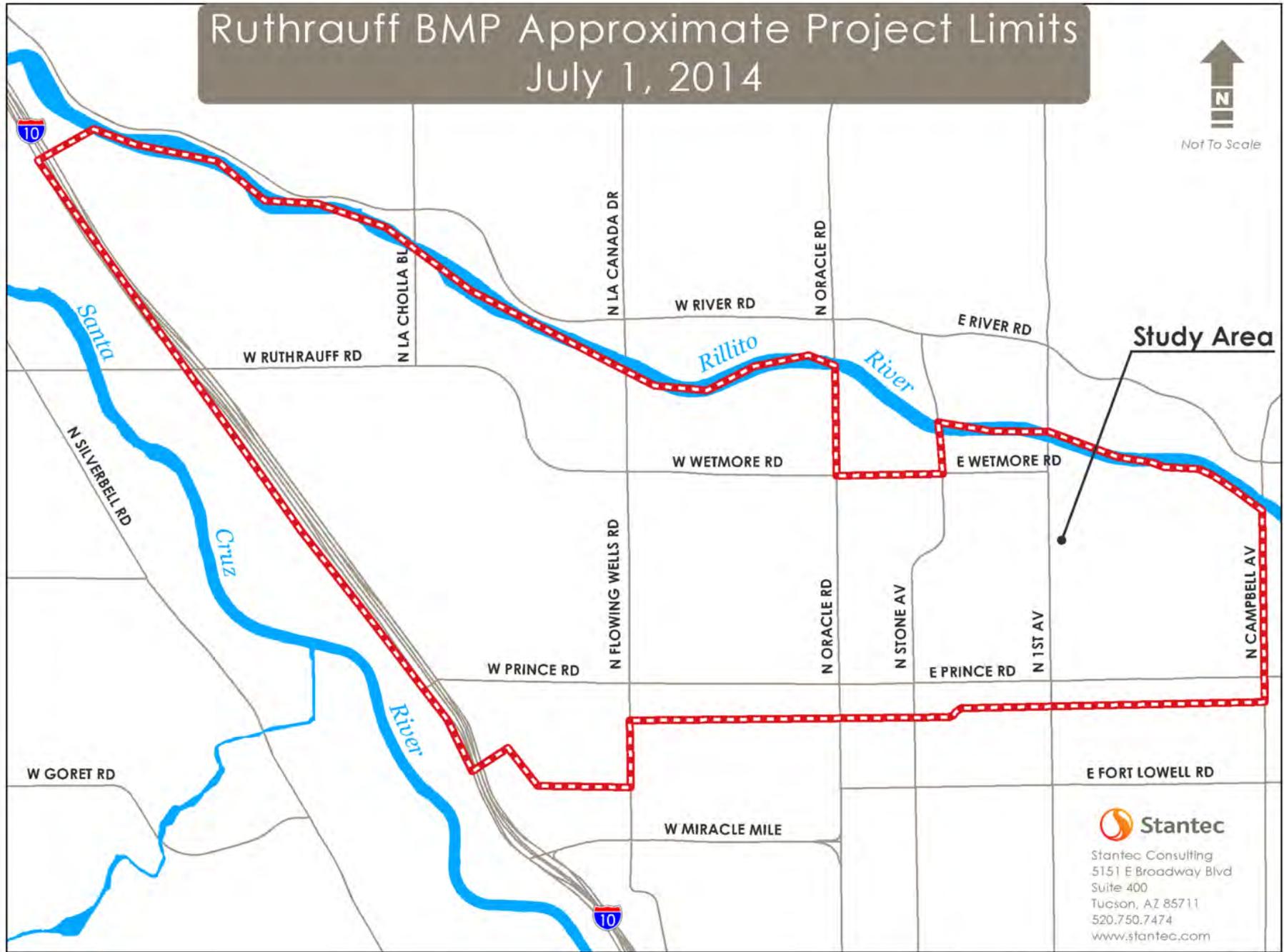
Project Overview

Project Limits

Ruthrauff BMP Approximate Project Limits July 1, 2014



Not To Scale



Study Area

 **Stantec**
Stantec Consulting
5151 E Broadway Blvd
Suite 400
Tucson, AZ 85711
520.750.7474
www.stantec.com

Project Overview continued

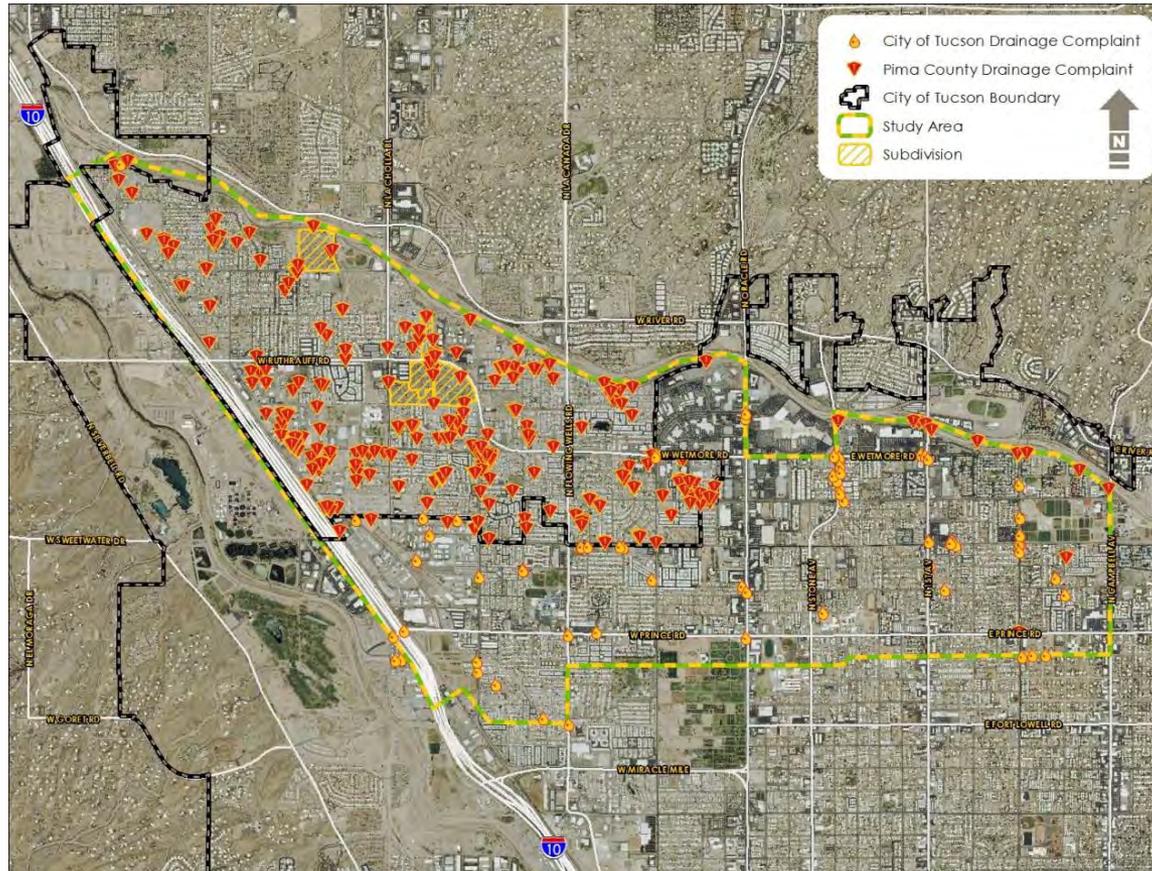
- * SCOPE OF WORK

- * Existing Conditions Analysis
- * Hydrologic Analysis and Floodplain Delineation
- * Preparation of FEMA Map Revision
- * Alternatives Analysis and Remediation Recommendations
- * Public and Stakeholder Involvement

Project Overview continued

- * Existing Conditions
 - * Drainage Complaints

Drainage Complaints



Project Overview continued

- * Existing Conditions
 - * Review Available Studies & Reports

Available Studies and Reports

- * March 23, 1981, **Preliminary Drainage Study Report, Ruthrauff Road I-10 to La Cholla Blvd.**, Cella Barr Associates.
- * June 3, 1981, **Hydrologic Investigation for Gardner Lane Area**, Cella Barr Associates
- * July 16, 1981, **Alternative Design Schemes for the Gardner Lane Area**, Cella Barr Associates.
- * November 10, 1981, **Report on Existing 100-year Flooding Conditions within The Gardner Lane Area**, Cella Barr Associates.
- * August 15, 1983, **Critical Watershed Management Plan, Ruthrauff Road Area**, Cella Barr Associates.
- * August 15, 1983, **Main Report, Critical Watershed Management Plan, Ruthrauff Road Area**, Cella Barr Associates.
- * December 17, 1993 (Revised November, 1995), **Existing-Conditions Hydrologic Modeling for the Tucson Stormwater Management Study, Phase II, Stormwater Master Plan**, Simons, Li & Associates, Inc.
- * December 15, 1995, **Final Report, Tucson Stormwater Management Study, Phase II, Stormwater Master Plan**, Simon, Li & Associates, Inc.
- * April 2011, **I-10 Mainline Reconstruction, Casa Grande-Tucson Highway (I-10) Ruthrauff Road to Prince Road, Final Drainage Report**, AECOM.
- * June 16, 2011, **Flood Insurance Study, Pima County, Arizona and Incorporated Areas**, Federal Emergency Management Agency.

Project Overview continued

- * Existing Conditions
 - * Interstate 10 Drainage Structures



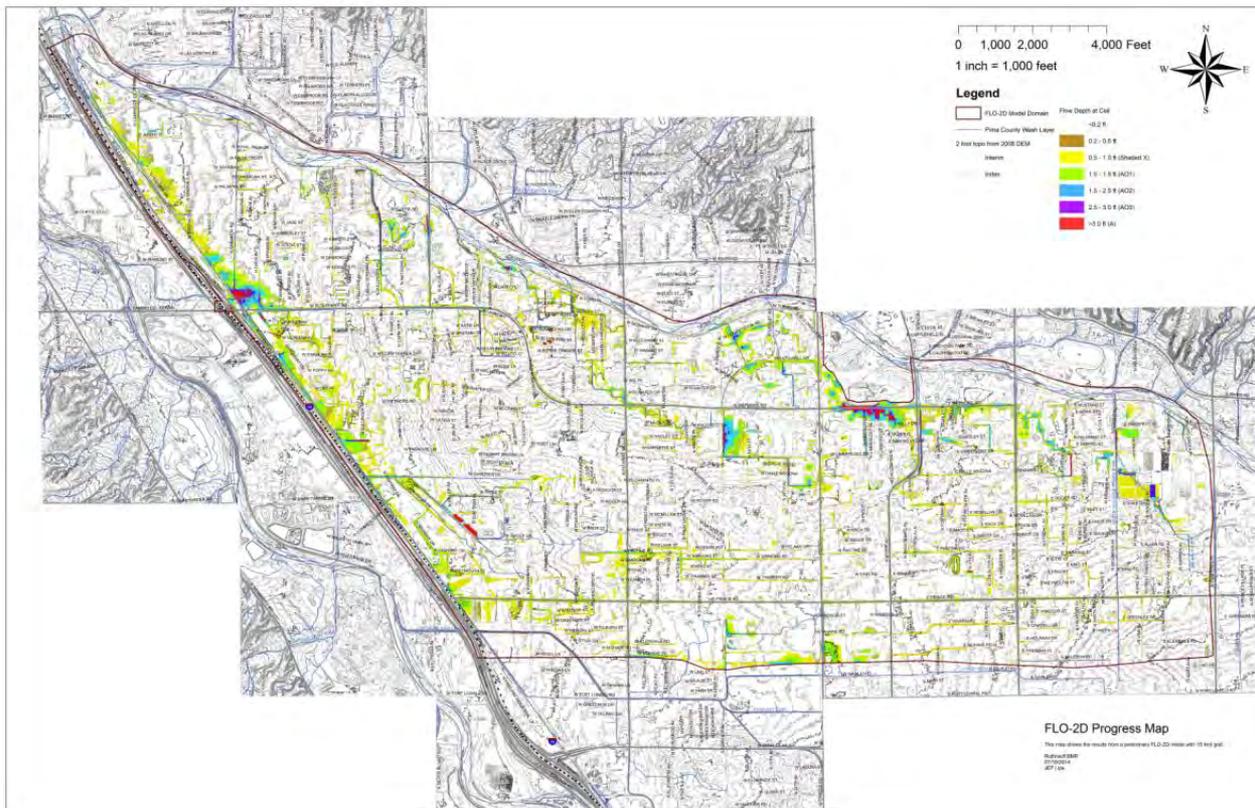


Project Overview continued

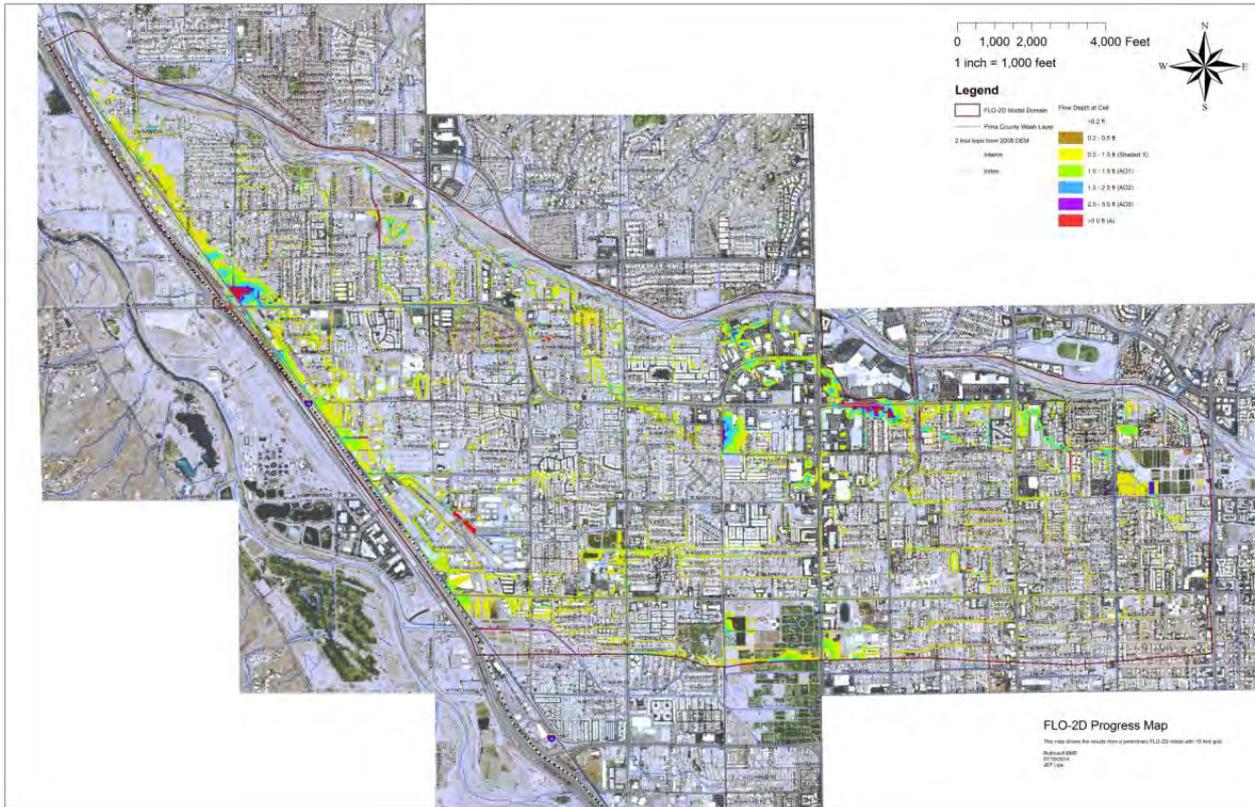
- * Hydrologic Analysis and Floodplain Delineation

Preliminary Flo-2D

FLO-2D Preliminary Map with Topography (50' grid)



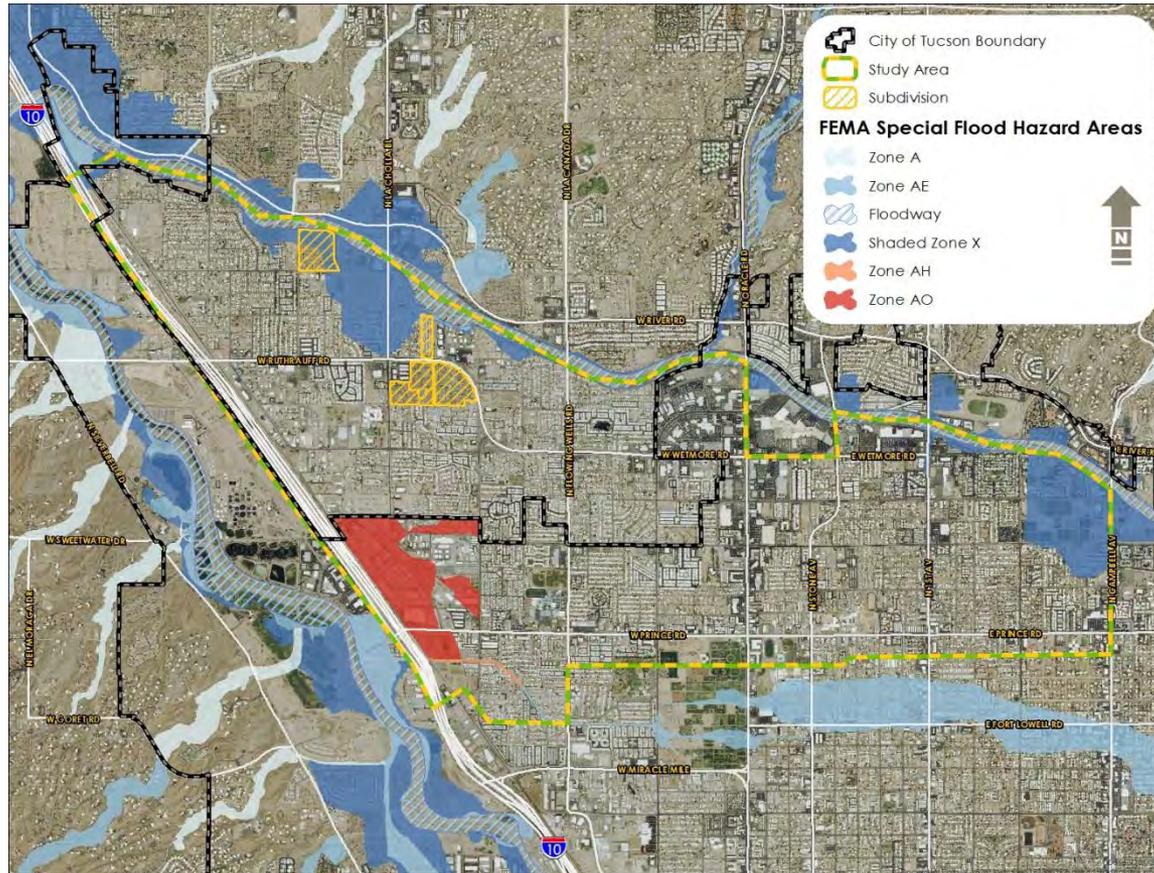
FLO-2D Preliminary Map with Aerial Imagery (15' grid)



Project Overview continued

FEMA Map Revision

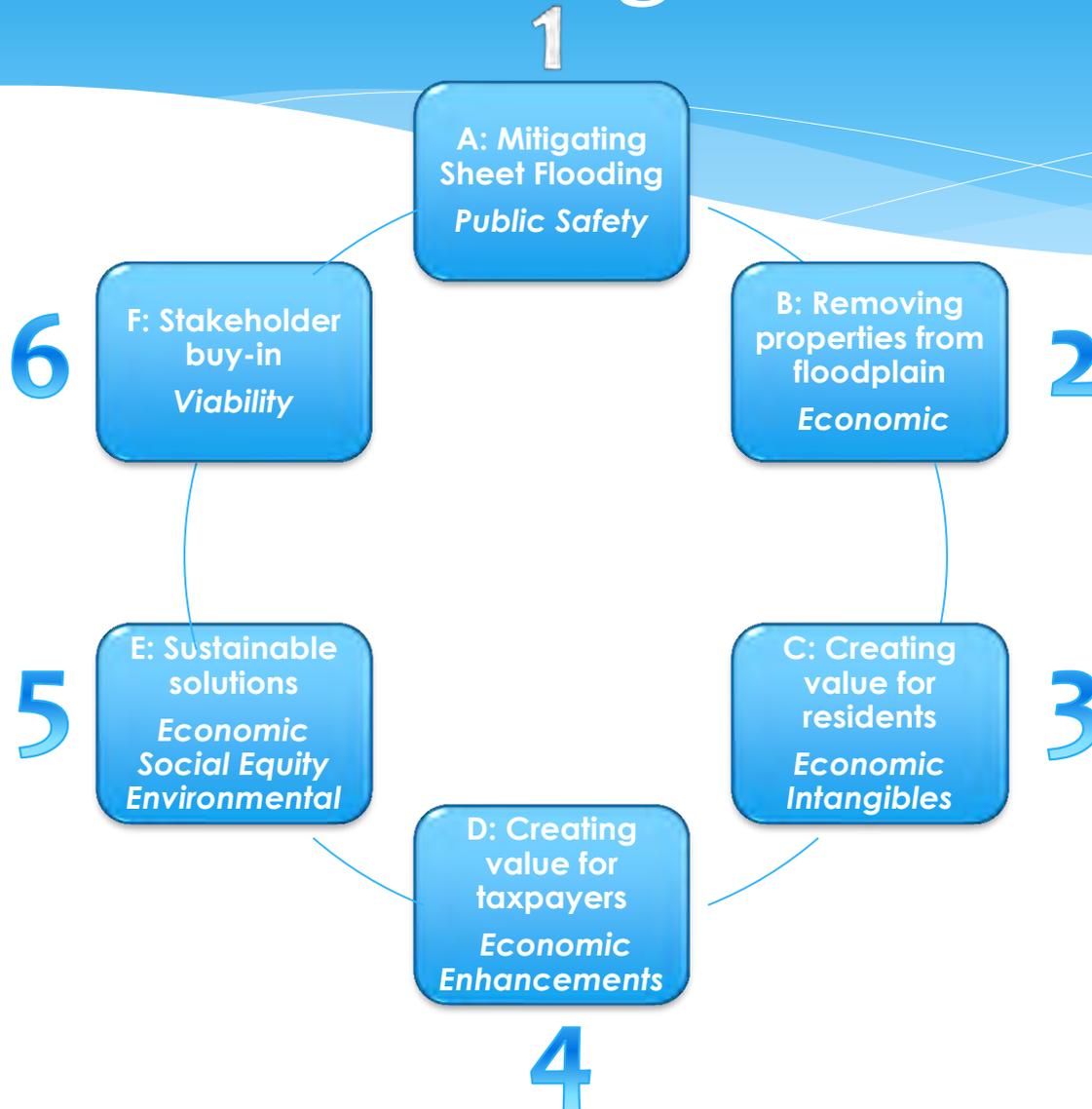
Existing FEMA Floodplains



Project Overview continued

Alternatives Analysis and Remediation Recommendation

Prioritizing the List



Alternatives analysis process

1

- Agree on performance criteria

2

- Develop weighting values for performance criteria

3

- Develop alternatives without consideration of cost

4

- Score the alternatives using performance criteria

5

- Add costs to determine scoring with costs

6

- Complete a fatal flaw analysis

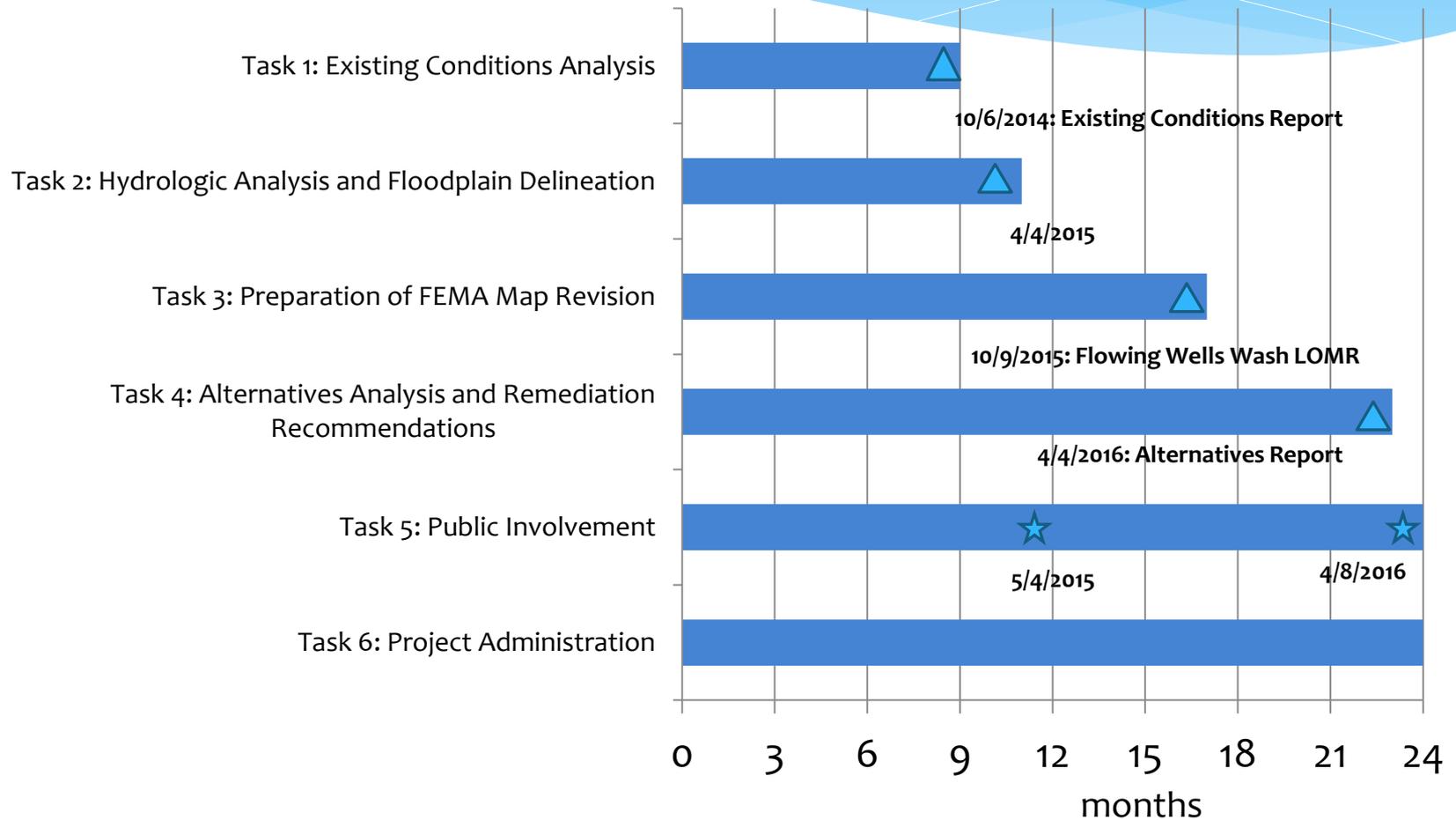
7

- Determine recommended alternative based on final score

Project Overview continued

Schedule

Schedule



Project Overview continued

- * Deliverables
 - * LOMR for Flowing Wells Wash
 - * Existing Condition Report
 - * Final Report Consisting Of...
 - * Alternative Selection Report
 - * Implementation Plan
 - * Public Outreach Summary Report

Stakeholder Involvement and Input

- * Individual Questions/Comments?
- * Data that we are missing and you can share?
- * Are there other Stakeholders we should contact?
- * Other Comments or Ideas?

Summary/Next Steps

- * Regular Monthly Progress Meetings at RFCD
- * Fall Workgroup Meeting
- * Continued Stakeholder Coordination
- * Deliverable Production

Adjourn
Thank You!