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Buckeye Area Drainage Master Plan Recommended Plan

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Agenda

- Project Overview
- Proposed Alternatives
- Recommended Plan
- Landscape Planning and Design
- Next Steps



Project Overview

Project Purpose :

Develop a regional drainage plan that will reduce flooding hazards and provide for multi-purpose opportunities

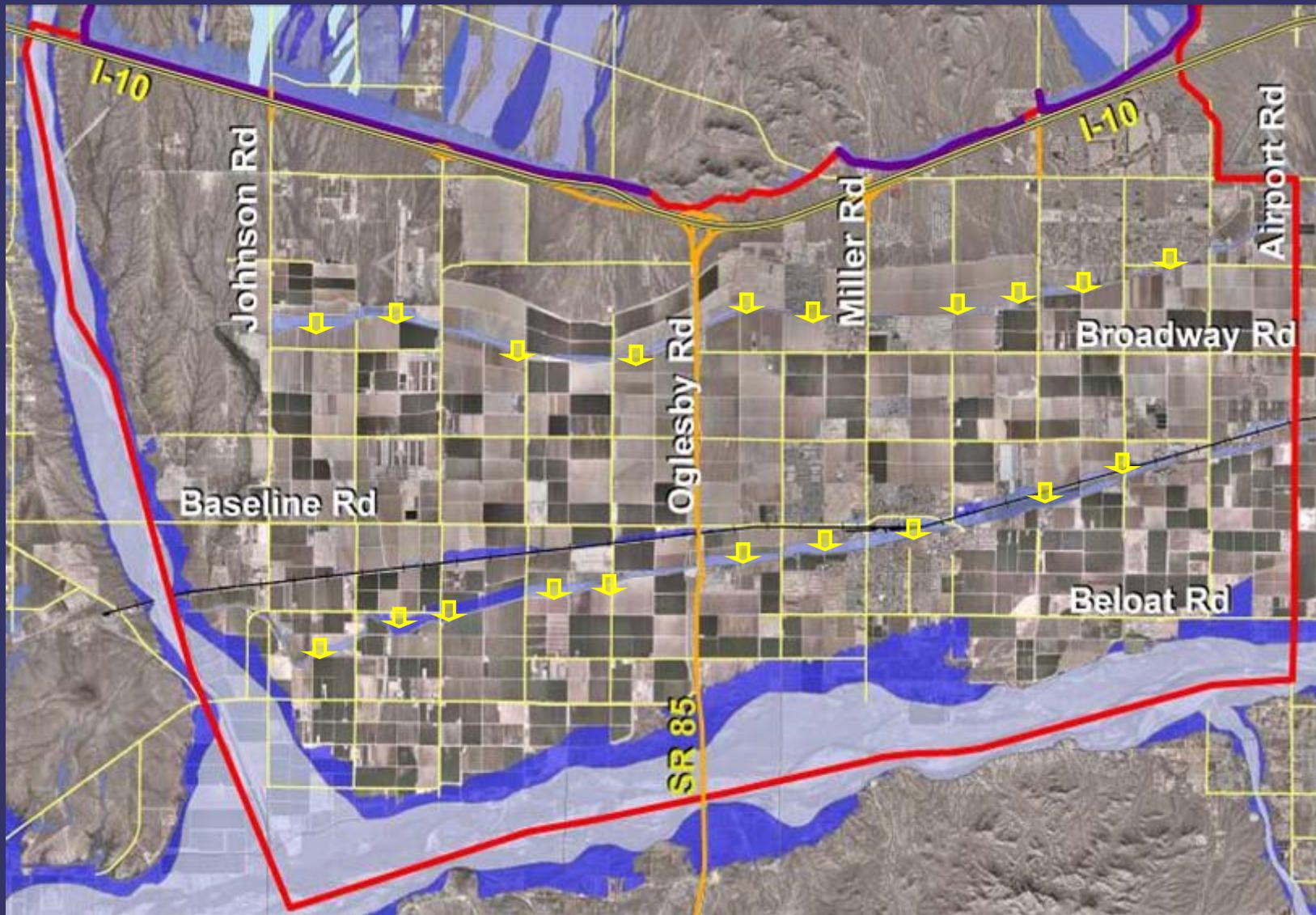


Buckeye Flood Study History

- Buckeye/Sun Valley ADMS – Problem Identification completed in December 2004
- Sun Valley ADMP completed in December 2006
- Buckeye ADMP began in January 2007
- Finalize Recommended Plan Alignments in October 2008
- Buckeye ADMP completion in June 2009



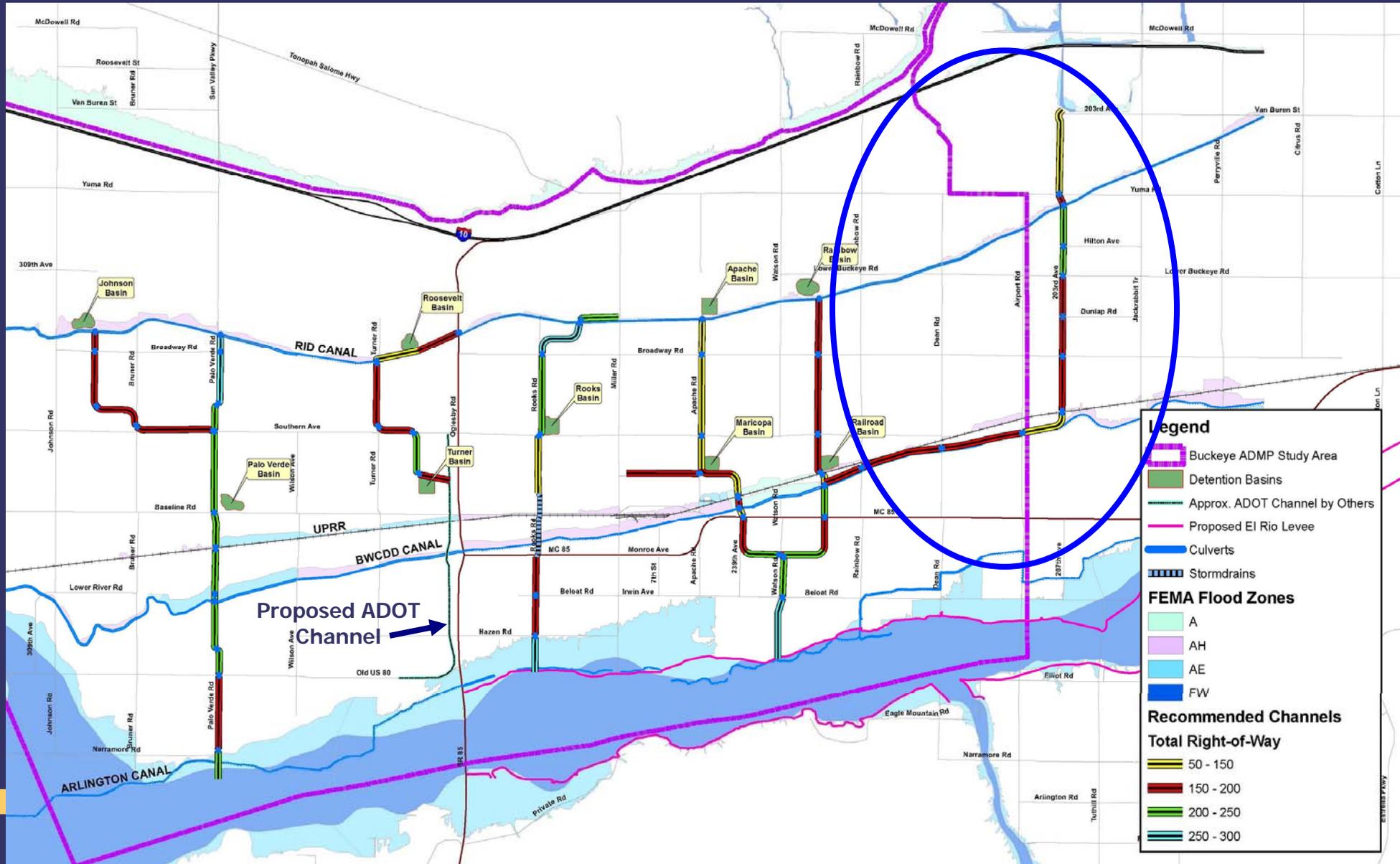
Buckeye ADMP Area



Proposed Alternative

- **Alternative 1**
 - North-South channels
 - Alignments about every 2 – 3 miles apart
 - Basins to reduce channel size at railroad and BWCCD canal crossings
- **Alternative 2**
 - East-West channels
 - North of the RID Canal and Railroad
- **Alternative 3**
 - East-West Channels
 - North of the RID Canal and the BWCCD Canal
 - Detention Basins to reduce channel size
 - Some North-South channels

Recommended Plan

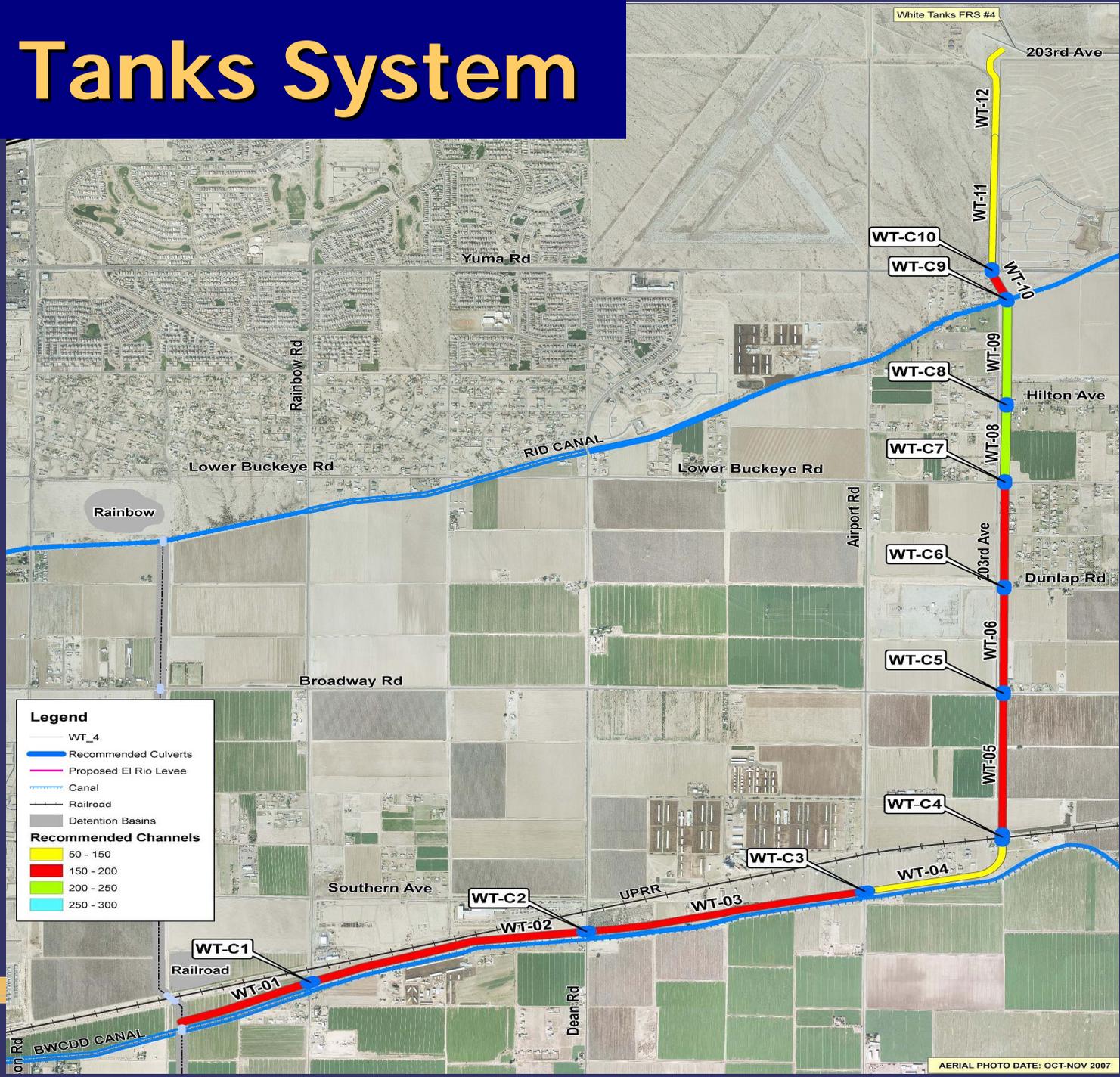


Proposed ADOT Channel

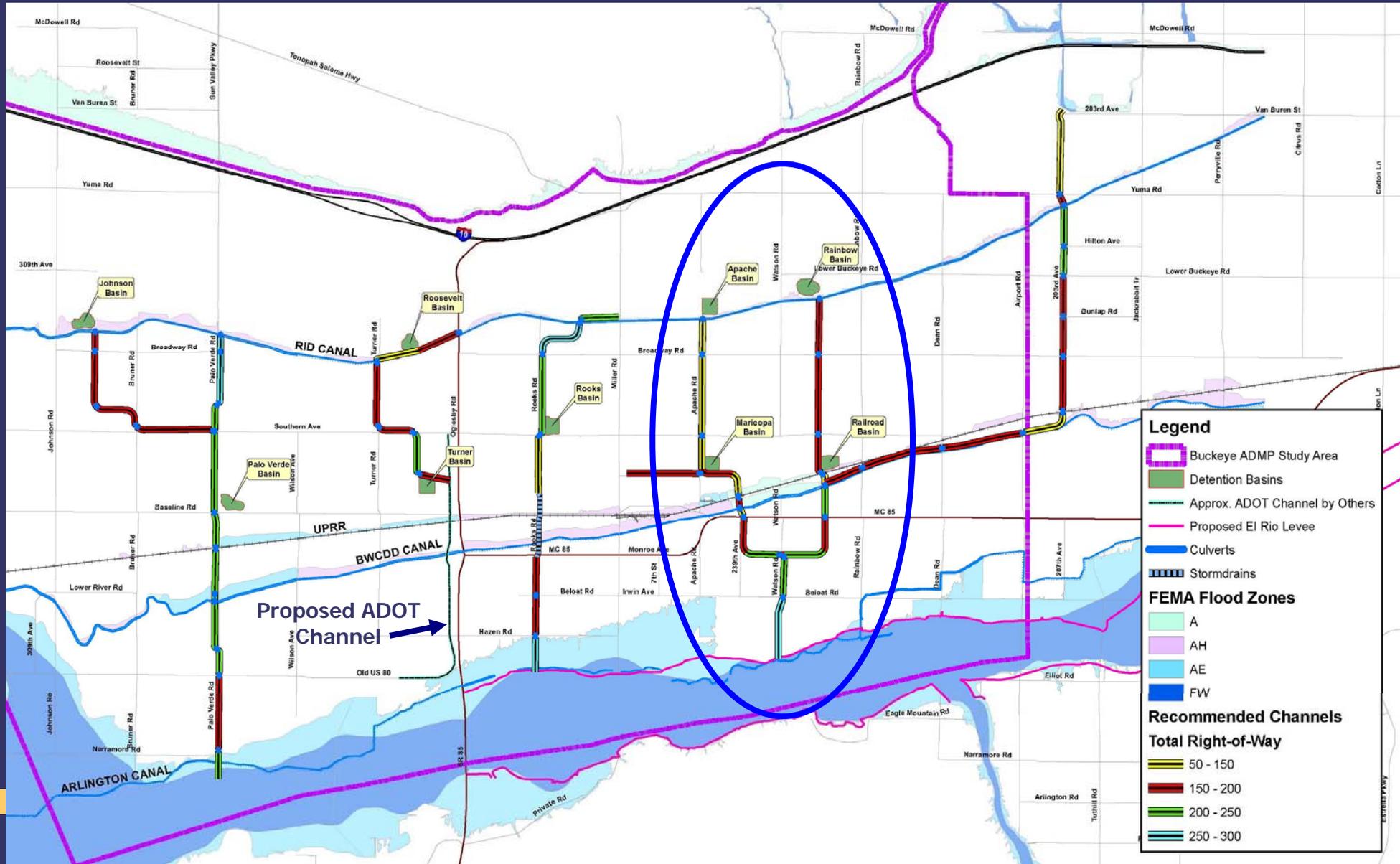


White Tanks System

- 50 – 150'
- 150 – 200'
- 200 – 250'
- 250 – 300'

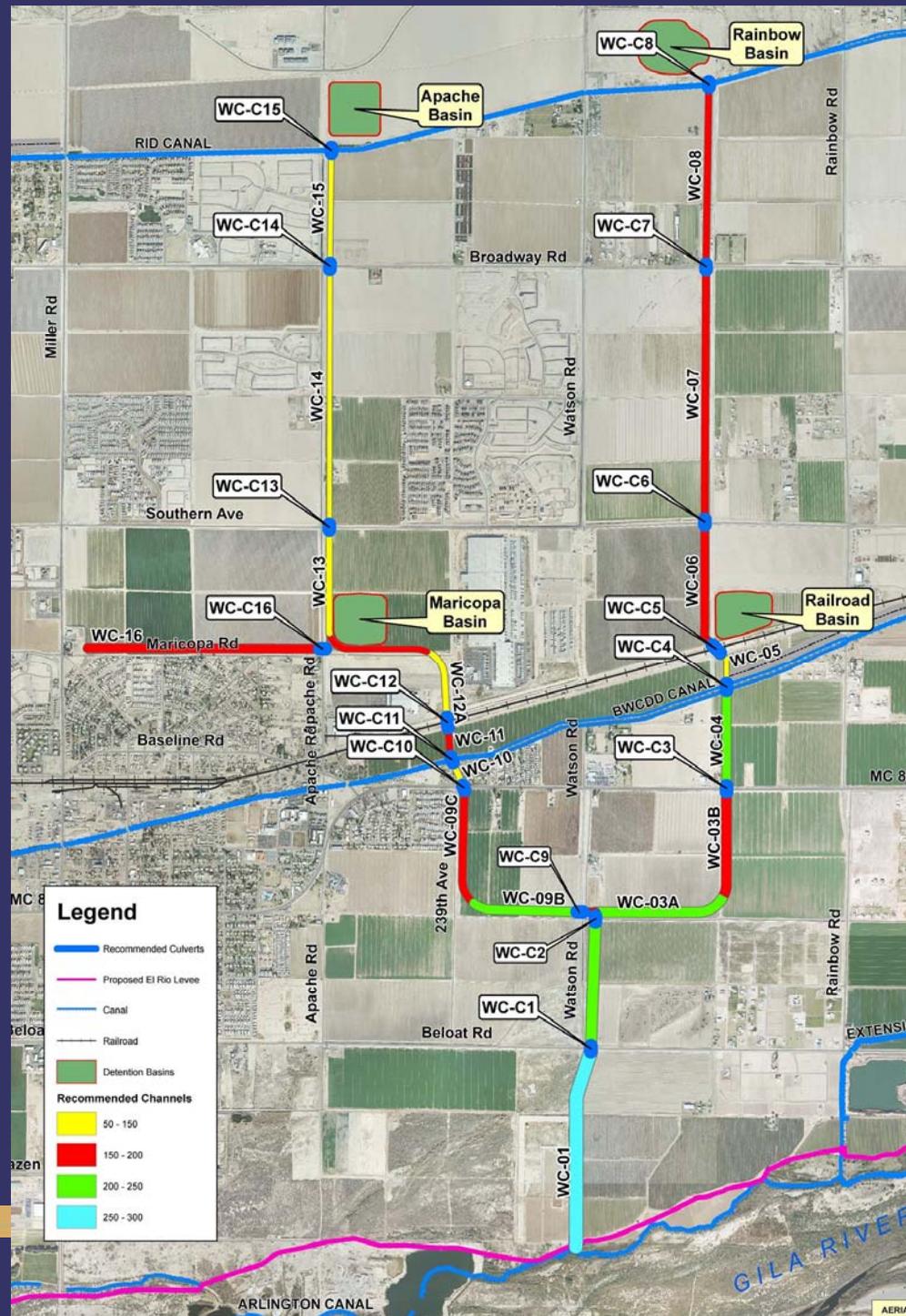


Recommended Plan

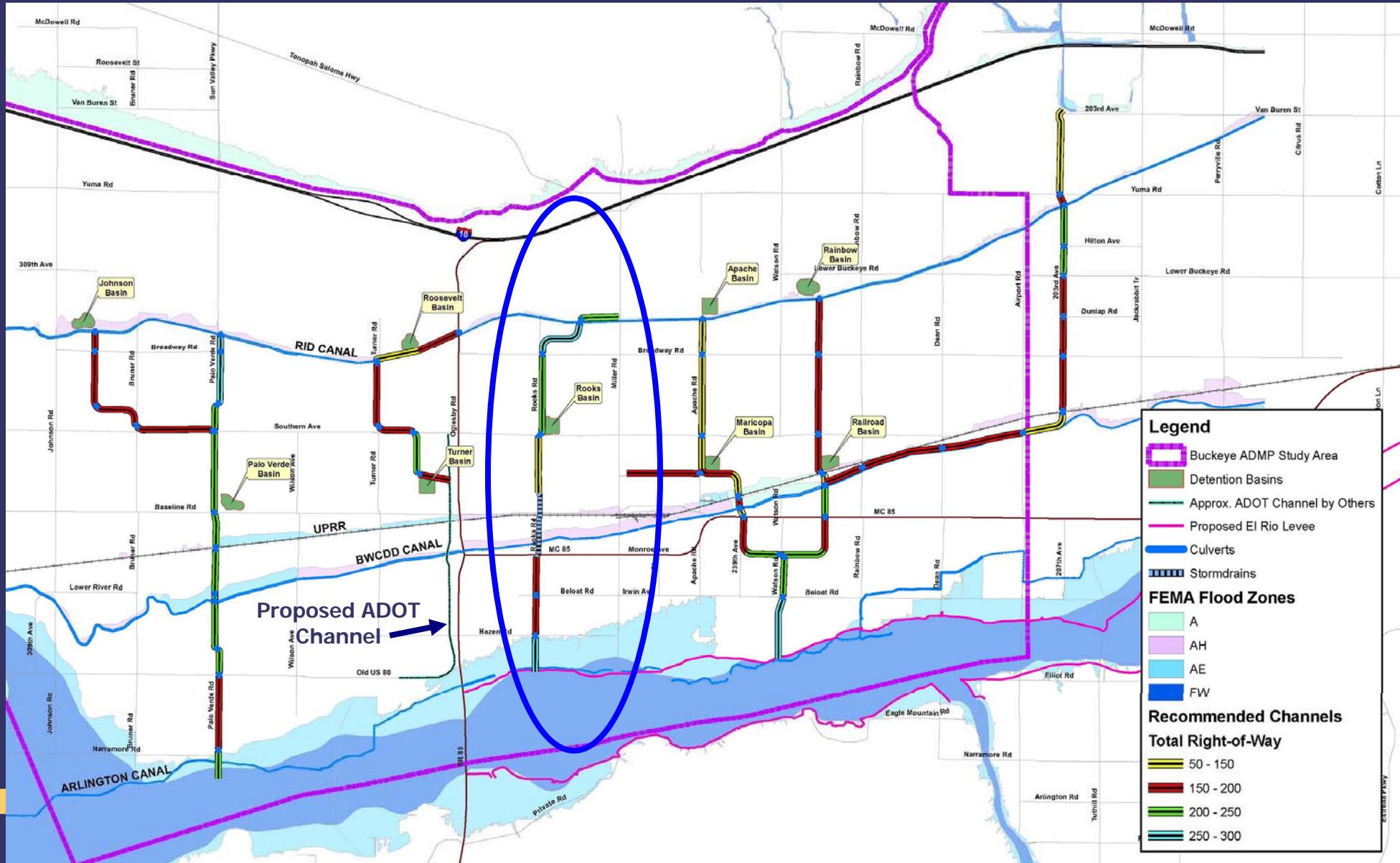


Watson System

- 50 – 150'
- 150 – 200'
- 200 – 250'
- 250 – 300'

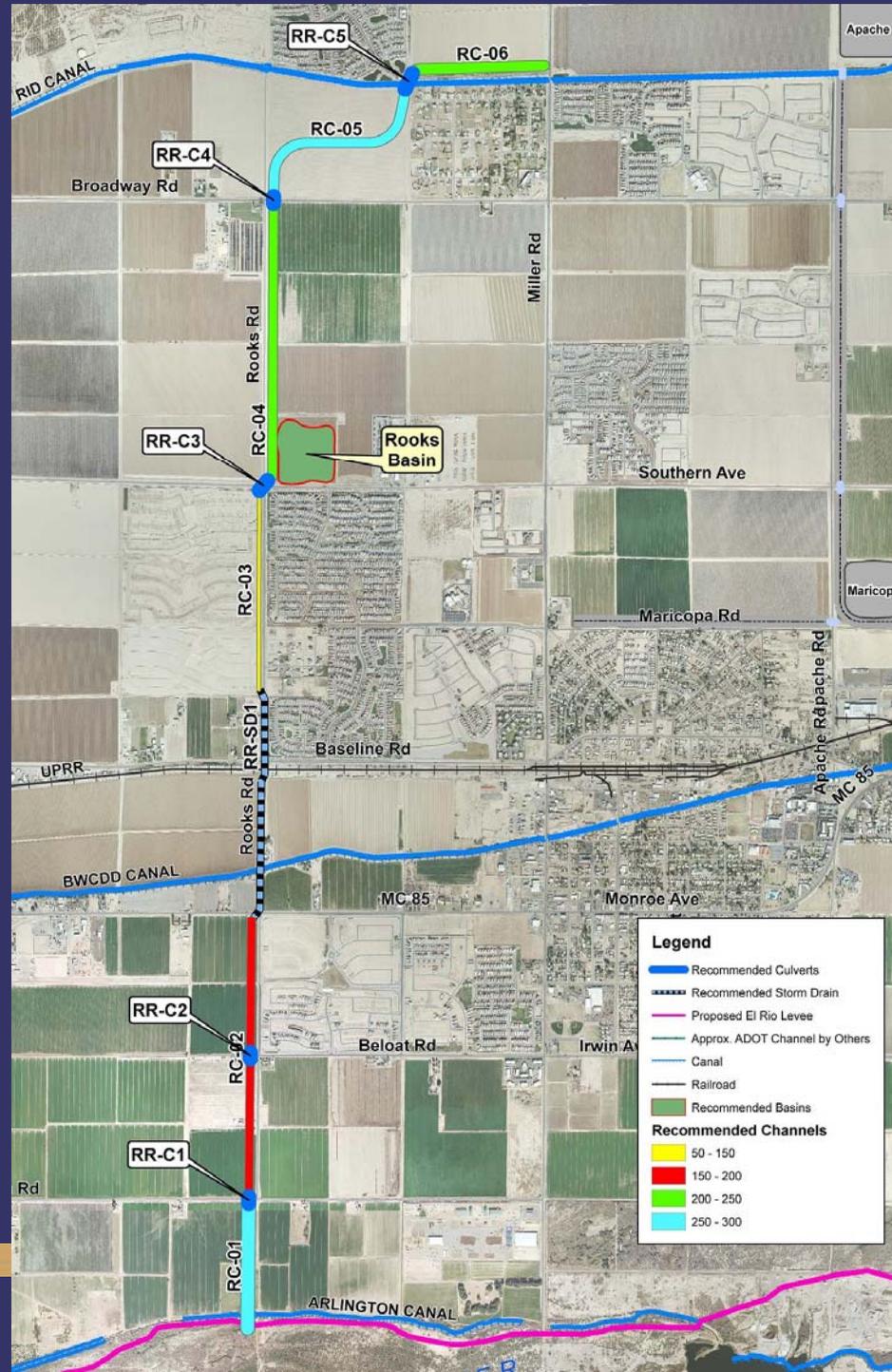


Recommended Plan

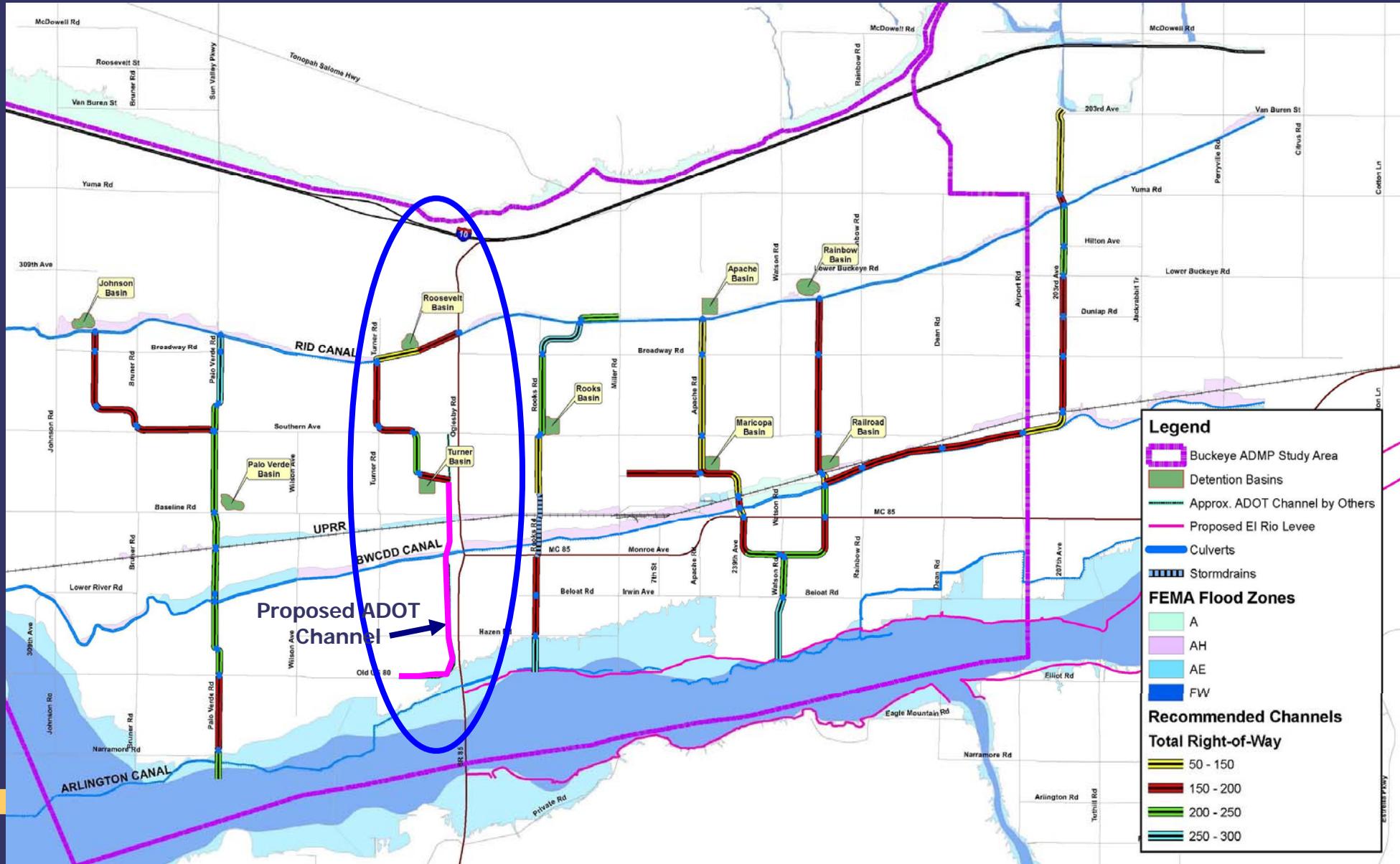


Rooks System

- 50 – 150'
- 150 – 200'
- 200 – 250'
- 250 – 300'



Recommended Plan

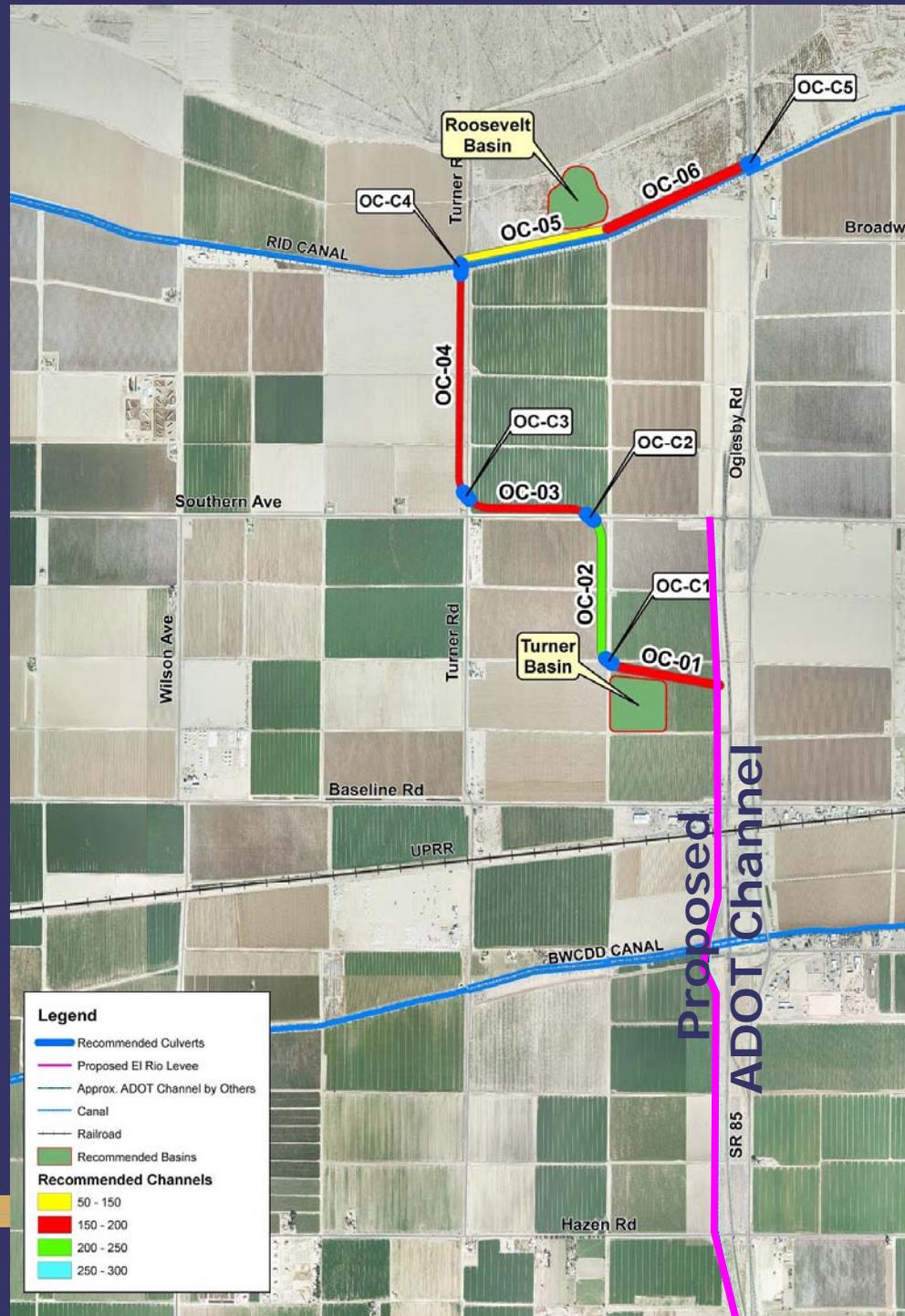


Legend

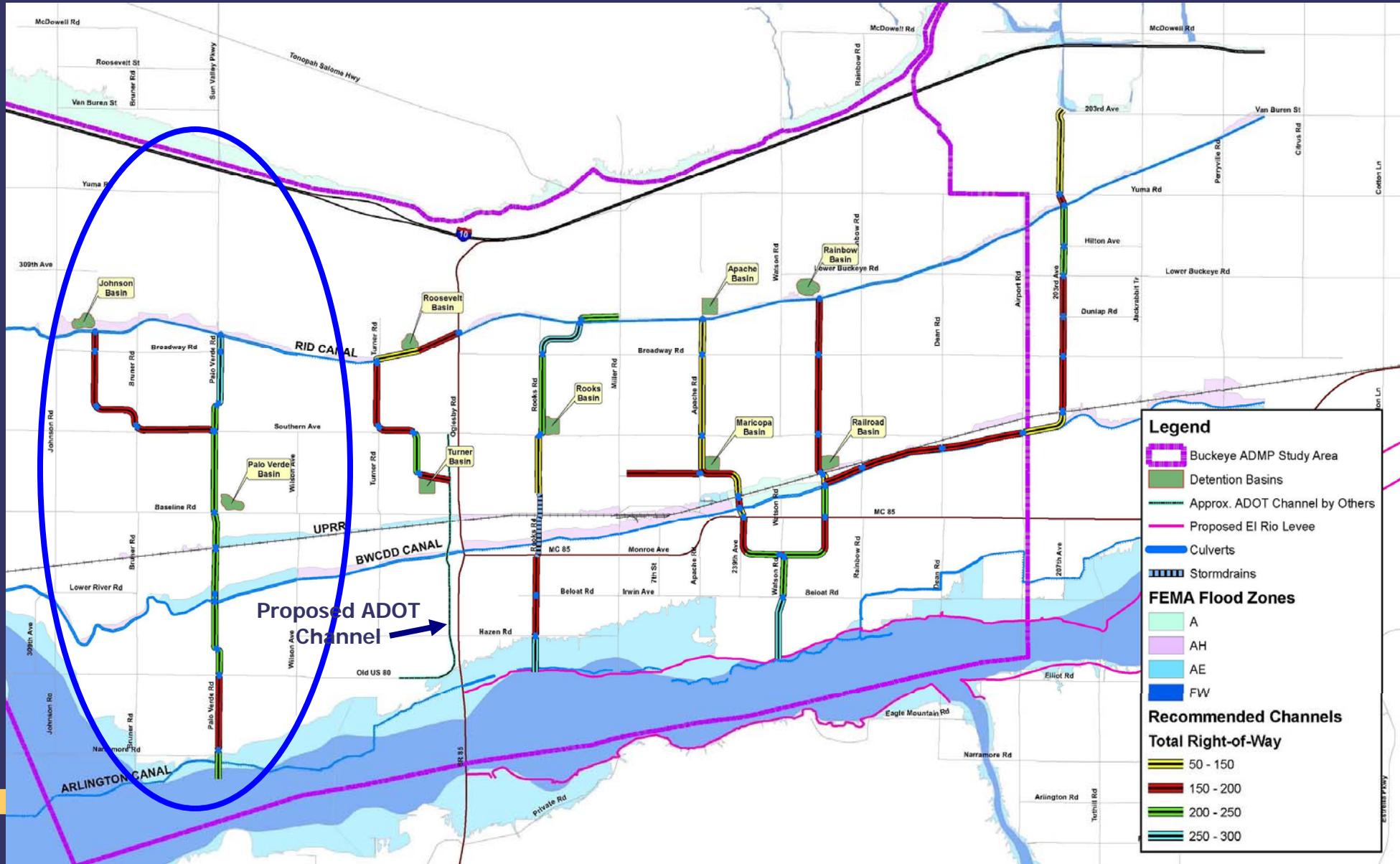
- Buckeye ADMP Study Area
- Detention Basins
- Approx. ADOT Channel by Others
- Proposed El Rio Levee
- Culverts
- Stormdrains
- FEMA Flood Zones**
- A
- AH
- AE
- FW
- Recommended Channels**
- Total Right-of-Way**
- 50 - 150
- 150 - 200
- 200 - 250
- 250 - 300

Oglesby System

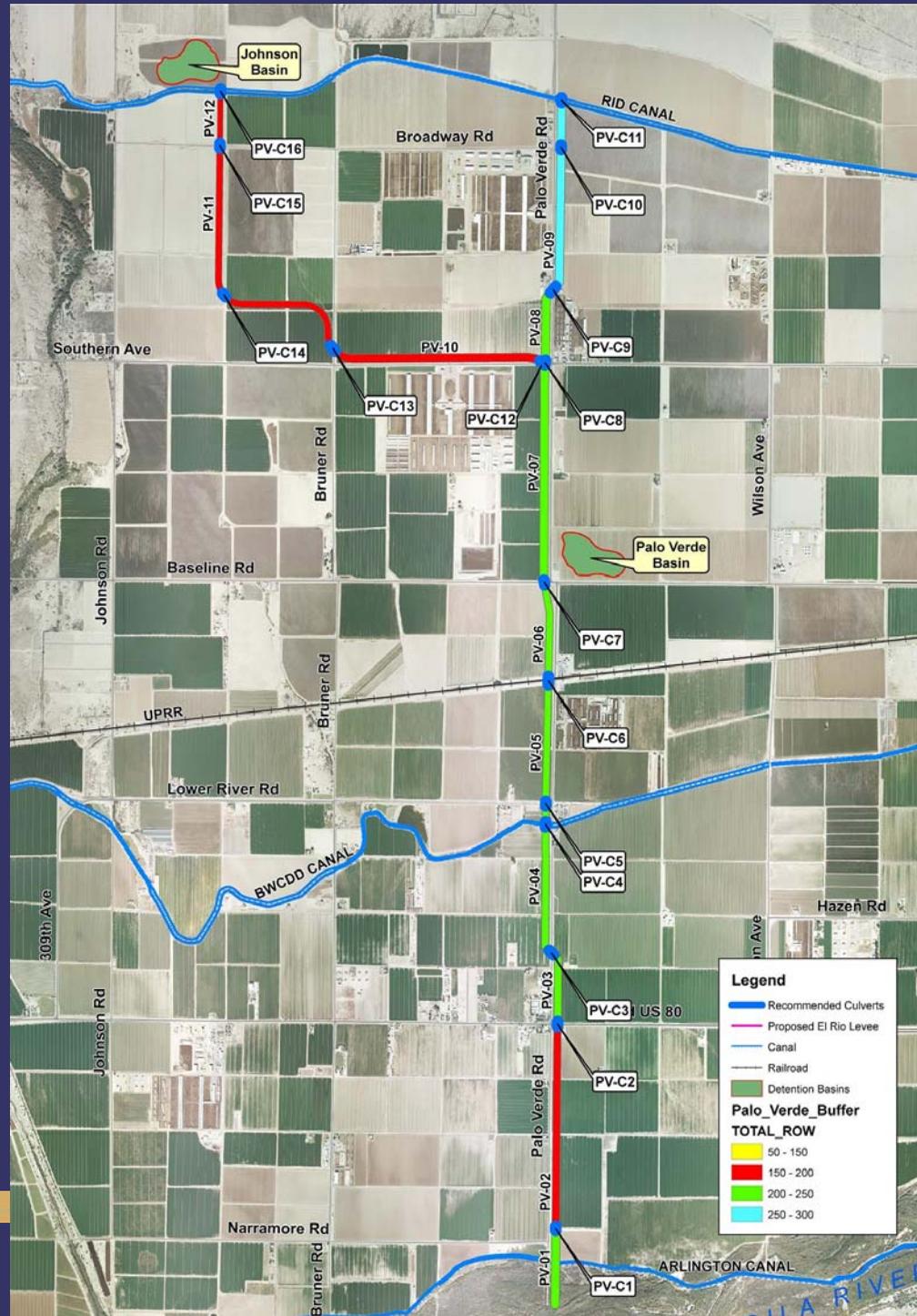
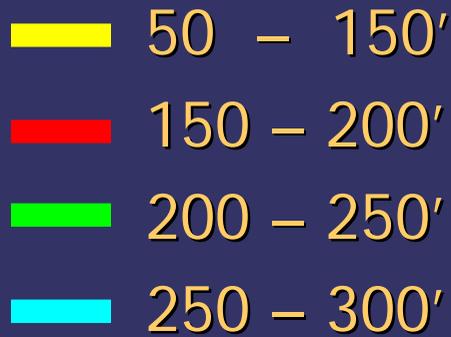
- 50 – 150'
- 150 – 200'
- 200 – 250'
- 250 – 300'



Recommended Plan



Palo Verde System



Legend

- Recommended Culverts
- Proposed El Rio Levee
- Canal
- Railroad
- Detention Basins

Palo Verde Buffer
TOTAL_ROW

- 50 - 150
- 150 - 200
- 200 - 250
- 250 - 300

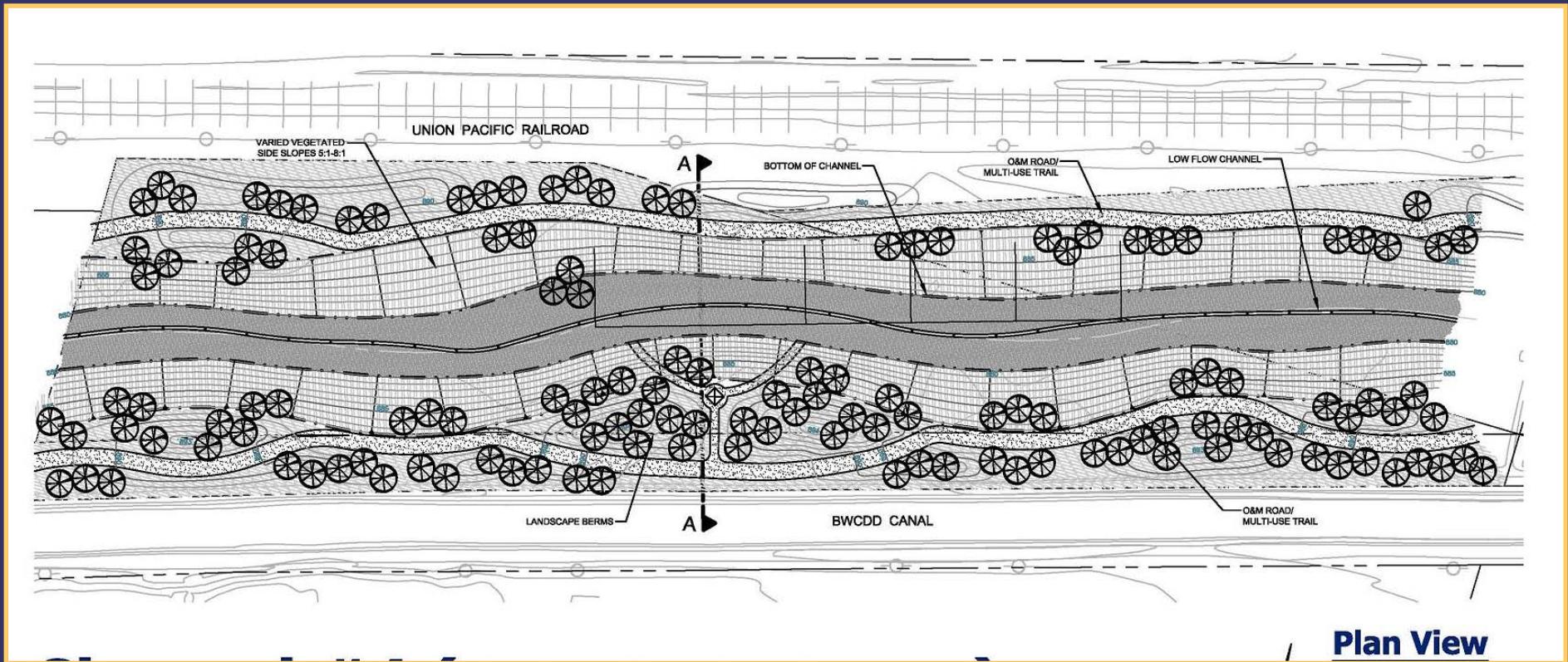


Landscape Planning and Design

- **Project Goals**
 - Complement Visual Character
 - Accommodate Recreation and Multi-use



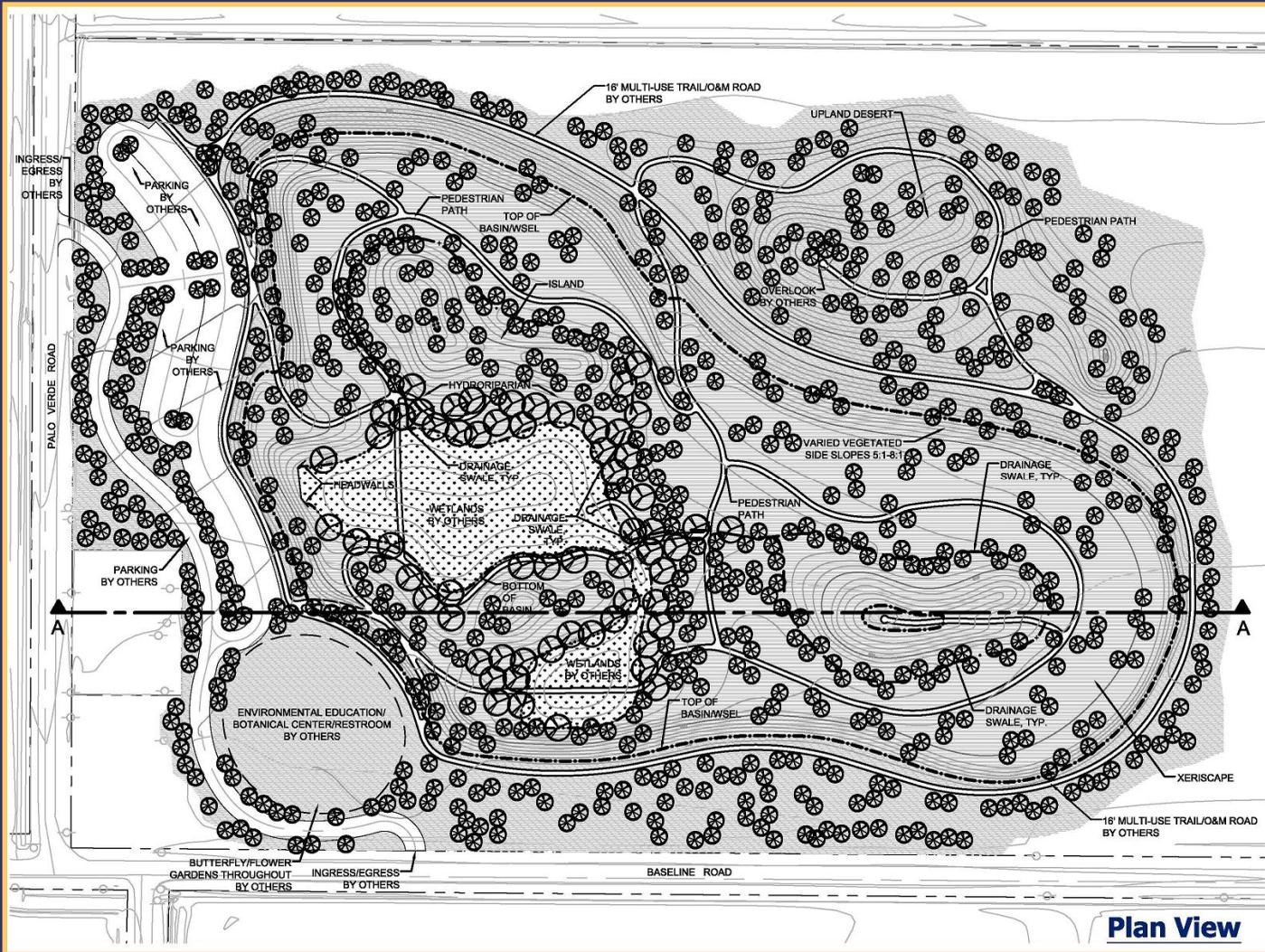
Channel Alignments



Plan View

- Systems Provide for North / South Connections
- Accommodate Local and Regional Trail Plans

Basin Sites



- Match with Local Park Plans
- Accommodate Active and Passive Opportunities

Next Steps

- Finalize Recommended Plan Report
- Presentations to Town Council and FCAB
- Prepare for Implementation





Open House