



**Yuma County, Arizona
DEPARTMENT OF ENGINEERING**

2351 W. 26TH Street, Yuma, Arizona
Phone: (928) 817-5000
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Chris Young, P.E.
Director/County Engineer

**YUMA COUNTY FLOOD CONTROL ADVISORY BOARD MEETING
PUBLIC NOTICE AND AGENDA**

DATE: September 5, 2019
TIME: 9:00 a.m.
PLACE: Yuma County Department of Development Services, Gold Conference Room
2351 W. 26th Street, Yuma, Arizona

MEMBERS:	Elston K. Grubaugh, Chairman Craig Colvin Courtney Arviso Kenneth Baughman	Tom Davis, Vice Chairman Kevin Dahl Jeffrey Kramer
STAFF:	Chris Young, P.E. Flood Control Manager Frank Sanchez, P.E. Dpty County Engineer David Ruvalcaba, Civil Engineer	Ed Feheley, FCD Attorney Cynthia Baisi, Administrative Assistant Katherine Hall-Guerra, OS III

CALL TO ORDER AND ROLL CALL

CALL TO PUBLIC

1. Approval of Minutes – Regular Meeting of March 7, 2019..... Action
2. Election of Chair and Vice Chair Action
3. Gadsden-San Luis Outfall and Basin Discharge Project Presentation..... Information
4. Project Update..... Information

ADJOURN

Note: The Advisory Board may vote to hold an Executive Session for the purpose of obtaining legal advice from the Advisory Board’s attorney on any matter listed on the agenda, pursuant to A.R.S. §38-431(A)(3).

For further information about this public hearing/meeting, please contact Cynthia Baisi, Phone number (928) 817-5103.

Persons with disabilities may request reasonable accommodations by contacting Shannon Gunderman, ADA Coordinator at 928.373.1137. Requests should be made as early as possible to allow time to arrange the accommodation.

AGENDA ITEM 1



Yuma County, Arizona
DEPARTMENT OF DEVELOPMENT SERVICES

2351 W. 26th Street, Yuma, Arizona 85364

Phone: (928) 817-5000

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Craig L. Sellers, P.E., CPM
Director

**FLOOD CONTROL ADVISORY BOARD
REGULAR SESSION
GOLD ROOM
THURSDAY, MARCH 7, 2019
MINUTES**

Members in attendance: Elston Grubaugh, Craig Colvin, Jeffrey Kramer, Kevin Dahl and Kenneth Baughman

Members absent: Tom Davis and Courtney Arviso

Others in attendance: Frank Sanchez, Interim County Engineer/Flood Control Manager; Sami Ayoub, Senior Civil Engineer, Ed Feheley, Deputy County Attorney; Larry Killman, Town Manager of Wellton, AZ; Cyndi Baisi, Engineering Administrative Assistant and Pamela Stone, Office Specialist III

Call to Order and Roll Call

Chairman Elston Grubaugh called the meeting to order at 9:12 AM and a quorum was verified.

1. Approval of Minutes – Regular Meeting of September 6, 2018

Craig Colvin made a motion to approve the minutes of the September 6, 2018 Flood Control Advisory Board meeting. Jeffrey Kramer seconded the motion.

Motion carried 5-0.

2. 2018 Assessment Report

Sami Ayoub highlighted the updates in the 2018 Assessment Report. Elston would like to discuss the Gila River Construction with regards to the choke point on the Gila River causing problems along Highway 95. It was an important issue in the East County as the Gila River backs up in Dome Valley as well. Frank stated he will try to bring it forward to initiate a project in the FY24. Elston also mentioned no two residents were able to reach an agreement in forming an Improvement District in Tacna-Citrus Park. Craig Colvin questioned the timeline on the Far West project. Sami Ayoub anticipates August/September would be the close on the project, with Frank stating the contractor would miss their time of completion. Craig Colvin made a motion to recommend the 2018 Assessment Report to the Board of Directors with the following amendments and corrections:

A. Correct the page numbers on the Index page.

B. Add the 7E Gila River Project for FY2024.

The motion was seconded by Kevin Dahl.

Motion carried 5-0.

3. Capital Improvement Plan and Flood Control Budget FY20

Frank Sanchez reviewed the proposed CIP for Fiscal Year 2020- 2024, highlighting the following:

- Smucker Park Retention Basin: The County is trying to get the bid out by June 2019 with expected construction starting two or three months after. Larry Killman brought up the retention basin being close, just West to the Desert Hotel but the owner is not interested in doing anything about the land as the front house is occupied/rented.
- Somerton Area Drainage Improvements: Finalizing the plans and budgeted for completion in FY2021.
- Wellton Area Drainage Improvements and Coyote Wash: Projected completion FY20.

The existing projects were within the planning and engineering guidelines of what had been allocated. With remaining design budget, it was discussed to use it for the initial evaluation of a couple of projects from the Assessment Report.

Mr. Sanchez pointed out that he had met with Susan Thorpe and the Human Resource Department to bring on a consultant, therefore the budget had increased. Craig Colvin made a motion to add the Gila River Project to the CIP Plan for FY19 and recommend the revised CIP Plan FY19 to the Board of Directors.

Jeffrey Kramer seconded the motion.

Motion carried 5-0.

4. 2018 Board of Directors Actions

Frank Sanchez reviewed the 2018 Board of Directors Actions.

5. Projects Update

Sami Ayoub provided a hand-out and reviewed Projects Update.

6. Meeting Schedule for 2019

Chairman Elston Grubaugh reviewed the Meeting Schedule for 2019.

Call to Public

Chairman Elston Grubaugh made a call to the public with no response.

Adjourn

Craig Colvin moved to adjourn the meeting and Kevin Dahl second the motion.

Motion carried 5-0.

Chairman Elston Grubaugh adjourned the meeting at 10:52 A.M.

These minutes were approved and accepted on this 5thth day of September, 2019.

Elston Grubaugh, Chairman

AGENDA ITEM 2

YUMA COUNTY FLOOD CONTROL ADVISORY BOARD

Prior years Chairman and Vice-Chairman positions held by:

<u>Fiscal YEAR.</u>	<u>CHAIRMAN</u>	<u>VICE-CHAIRMAN</u>
2019	Elston Grubaugh	Tom Davis
2018	Elston Grubaugh	Tom Davis
2017	Josh Scott	Tom Davis
2016	Josh Scott	Tom Davis
2015	Tom Davis	Josh Scott
2014	Tom Davis	Josh Scott
2013	Paul Brooberg	Tom Davis
2012	Paul Brooberg	Tom Davis
2011	Paul Brooberg	Tom Davis
2010	Paul Brooberg	Tom Davis
2009	Paul Brooberg	Tom Davis
2008	Craig Pauley	David Ford
2007	Don Pope	Craig Pauley
2006	Don Pope	Craig Pauley
2005	Bruce Callaway	Ed Hansberger
2004	Gerald Jones	Bruce Callaway
2003	Charles Slocum	Gerald Jones
2002	Paul Brooberg	Ed Hansberger

AGENDA ITEM 3

Chris Young, P.E., Flood Control Manager/ County Engineer

David Ruvalcaba, P.E., Project Manager

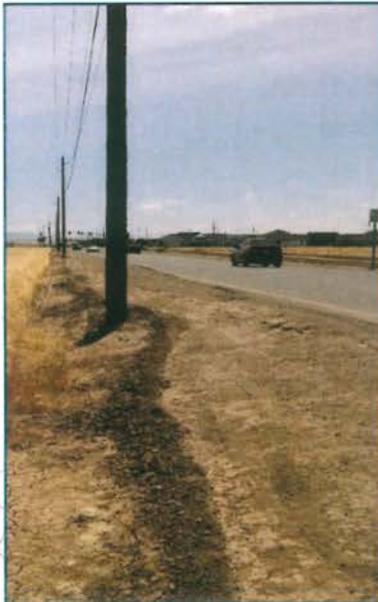
Raj Shah, P.E., Project Manager



Flood
Control
Advisory
Board

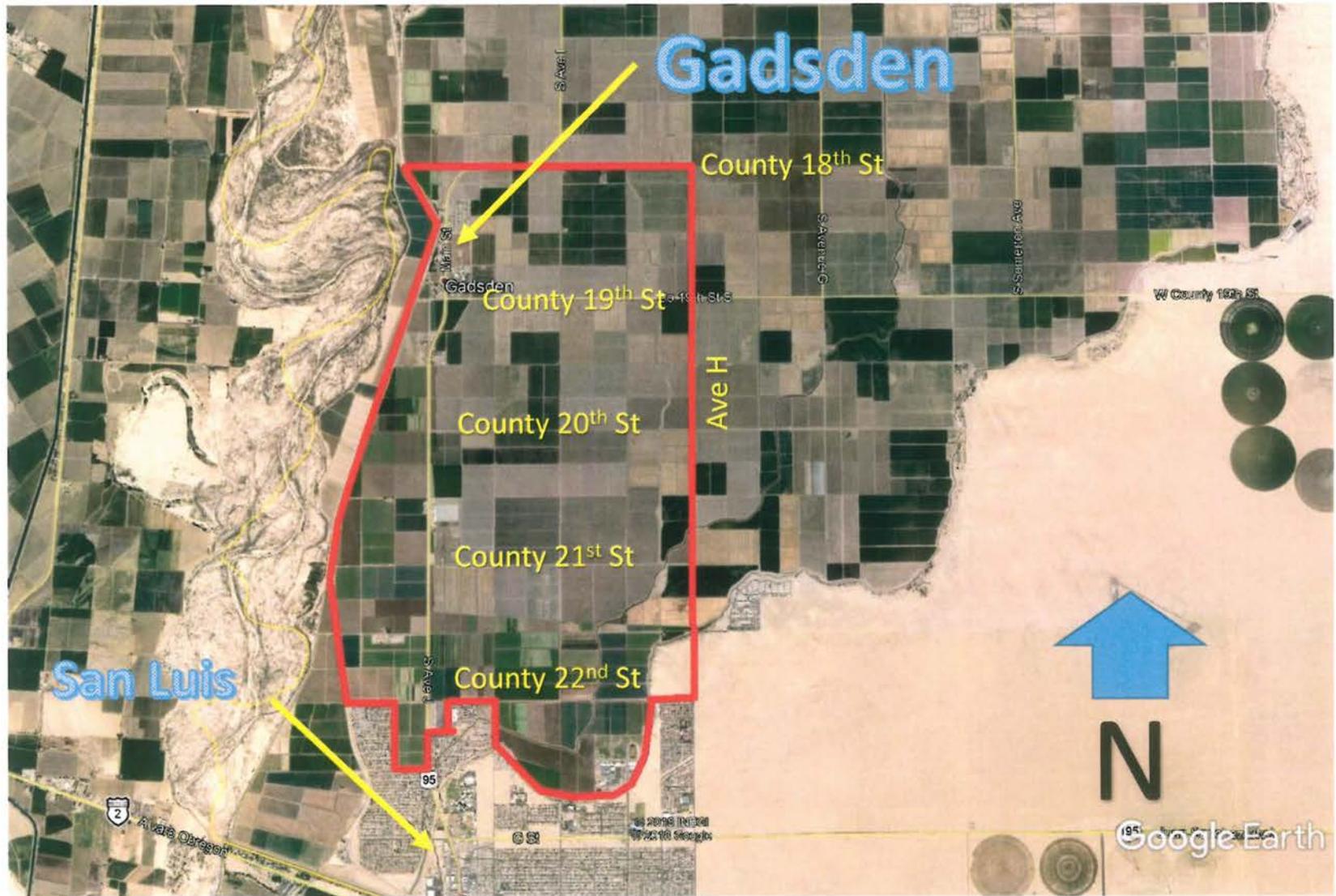


Gadsden-San Luis Outfall-Basin Discharge



Flood Control Advisory Board Meeting
September 5, 2019

➔ Project Location



➤ Project Purpose

Analyze the watershed for existing and proposed conditions and provide alternatives to mitigate flooding risks within project area



Watershed Characteristics:

- Project area, Farm Fields
- Several Irrigation delivery ditches and tail water ditches
- Private irrigation ditches
- SR 95 major north-south Highway
- Colorado River to the west
- Outfall into the nearest Canal

➤ Project Scope of Work

Two Phase Project:

Phase 1:

- Review entire 12 square miles of watershed
- Existing condition hydrology
- Proposed condition hydrology
- Coordination with BOR and YCWUA
- Proposed channels, basins, and pipe systems
- Evaluate two options



➤ Project Scope of Work

Two Phase Project:

Phase 2 – Preliminary Design (15% Level):

- Selected Alternative
- Design Plans
- Hydraulic Calculations
- Preliminary Utility Research
- Cost Estimates



➤ Project Stakeholders

Project Stakeholders:

- Yuma County Flood Control District
- City of San Luis
- Bureau of Reclamation
- Yuma County Water Users Association (YCWUA)



➤ Phase 1 Detailed Tasks

Phase 1: Alternative Analysis

- Completed 2' contour LiDAR Mapping
- Finished existing condition hydrology
- Assumed development up to County 22nd Street as well as ½ mile corridor around Gadsden Areas
- Divided project area in Seven Zones
- Proposed several basins, channels and pipe options for consideration within each Zone
- Provided cost estimate for drainage improvements within each Zone



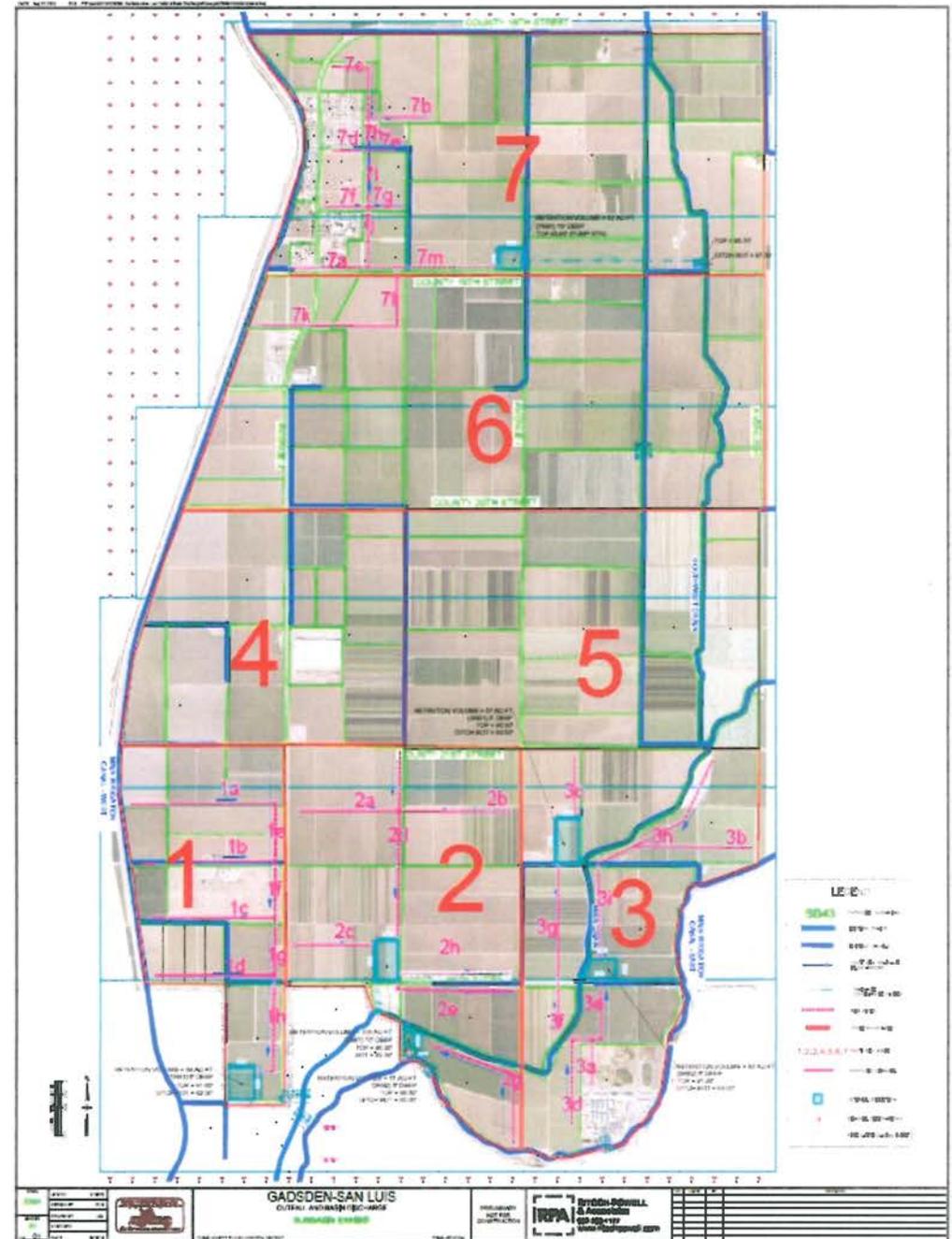
➤ Phase 1: Alternative 2

Zone 1, 2, 3 and 7:

- Basins
- Channels
- Pipes
- Pump Stations

Zone 4, 5 and 6:

No proposed improvements



➤ Project Costs:

Zone 1: Basins and Channels =\$2.34M

Basins and Pipes =\$3.63M

Zone 2: Basins and Channels =\$3.79M

Basins and Pipes =\$5.54M

Zone 3: Basins and Channels =\$3.2M

Basins and Pipes =\$6.16M

Zone 7: Basins and Channels =\$1.97M

Basins and Pipes =\$4.81M

No improvements proposed within

Zone 4, 5 and 6



➤ Conclusion:

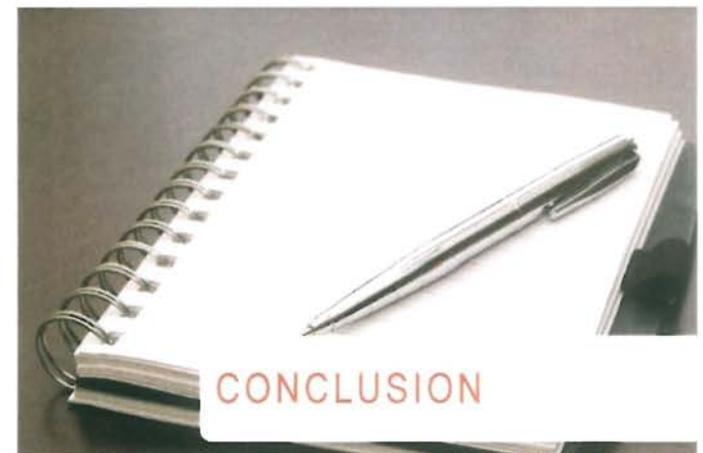
Zone 1: Recommend Basins and Major Channels within next two/three fiscal years

Zone 2: Recommend at least one Basin site acquisition within next four/five fiscal years

Zone 3: Recommend at least one Basin site acquisition after Five years

Zone 7: No improvements at this time.

No improvements proposed within Zone 4, 5 and 6



➔ Next Step:

What is next.....

- Hold a public meeting to solicit public input
- Present selected alternative to Board of Directors
- Start a 15% design (Phase 2) of the selected alternative
- Acquire right-of-way
- Proceed to final design contract for selected alternative





Gadsden-San Luis Outfall-Basin Discharge

 **Raj Shah, PE**

PROJECT MANAGER

rshah@rpaeng.com

(602) 263-1177



AGENDA ITEM 4

CIP Project Update:

- 3.1004 Foothills Area Drainage Improvements, Farwest Storm Drainage Improvements:**
- 3.0103 West Yuma Mesa Storm Drainage Improvement:**
- 3.0504 Somerton Area Drainage Improvements:**
- 3.9703 Smucker Park Detention Basin:**
- 3.1501B Wellton Area Drainage Improvements: Coyote Wash Improvements:**
- 3.1501A Wellton Area Drainage Improvements:**
- 3.1804 Facility Maintenance: Ground Water Wells**
- 3.1803 Storm Water Retention Basins**
- 3.1701 NPDES and MS4 Stormwater Discharge Environmental Retrofit:**
- 3.1806 28th Street Trunk Line Extension (Smucker Park)**
- 3.1807 Holly Drive Storm Drainage System (Smucker Park)**

Studies:

- 3.1902 Ave 10E & Co 10 ½ Street (Los Amigos & Southern Sands RV Park) Drainage Study**
- 3.1903 Atlantic Avenue Area Drainage Study**
- 3.1904 Yuma East, Units 3 & 4 Drainage Study**
- 3.1905 Desert Air Estates, Units 1 & 2 & Country Life Mobile Estates Drainage Study**