



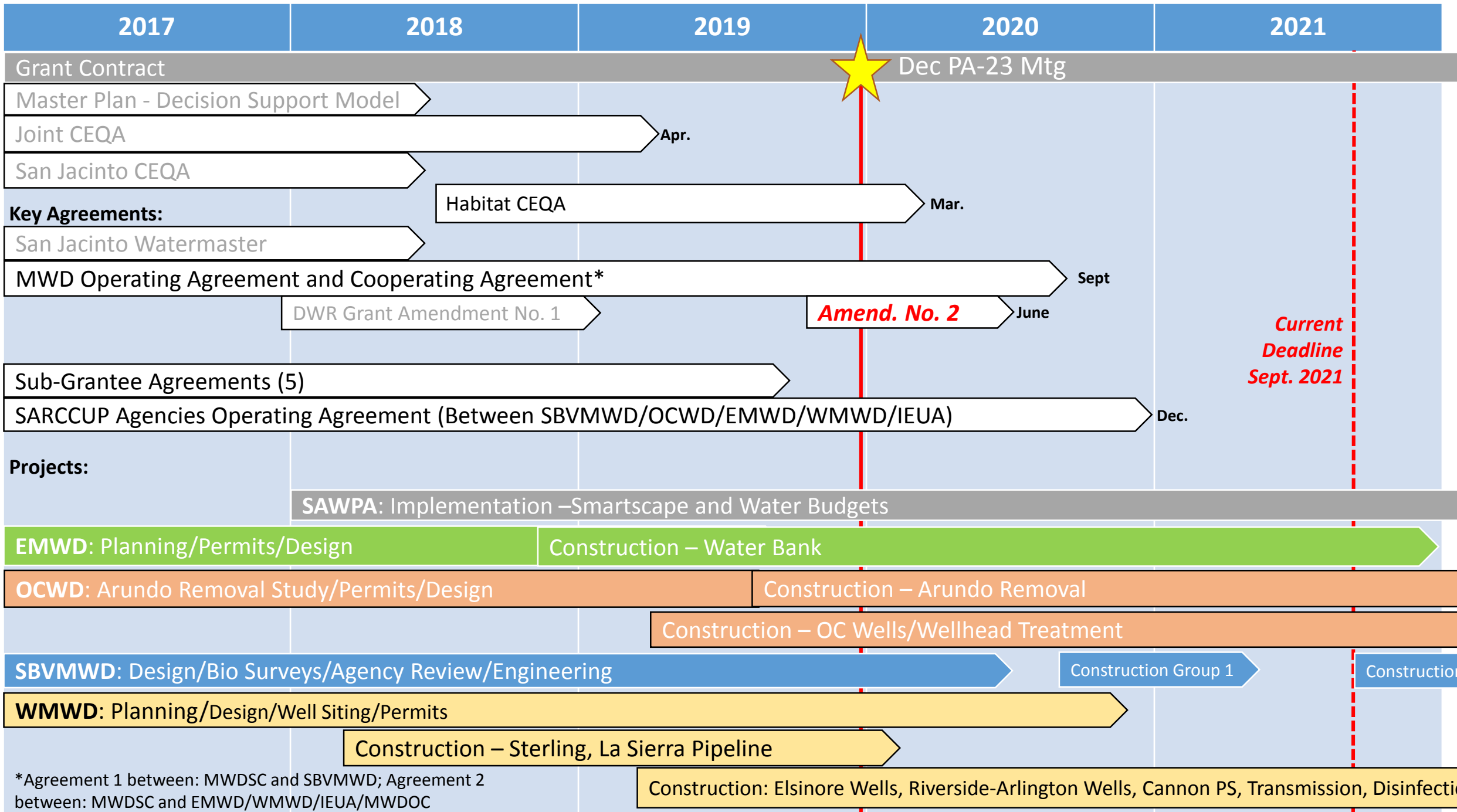
# SARCCUP Schedule

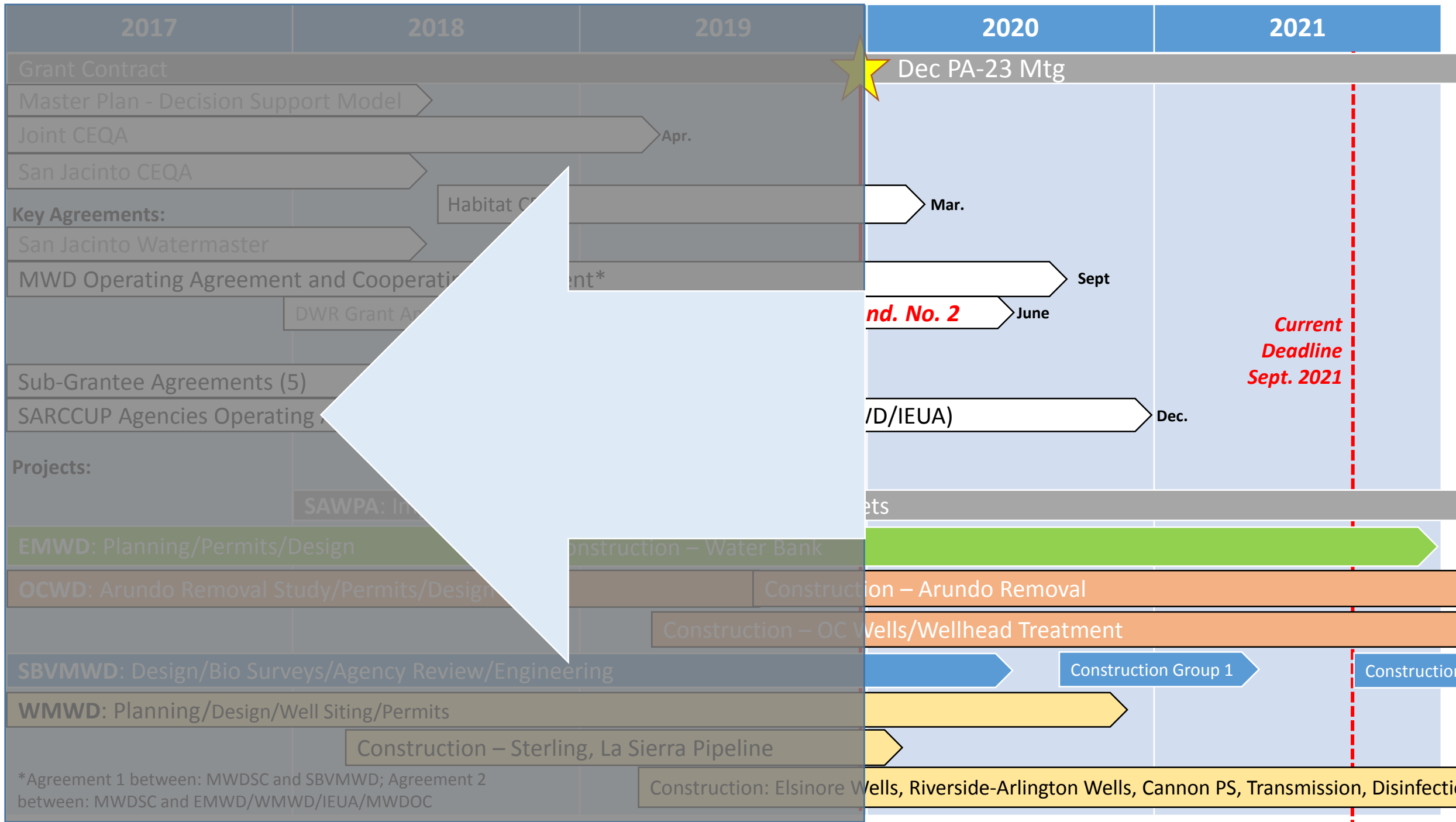
Brian Dietrick, Woodard & Curran

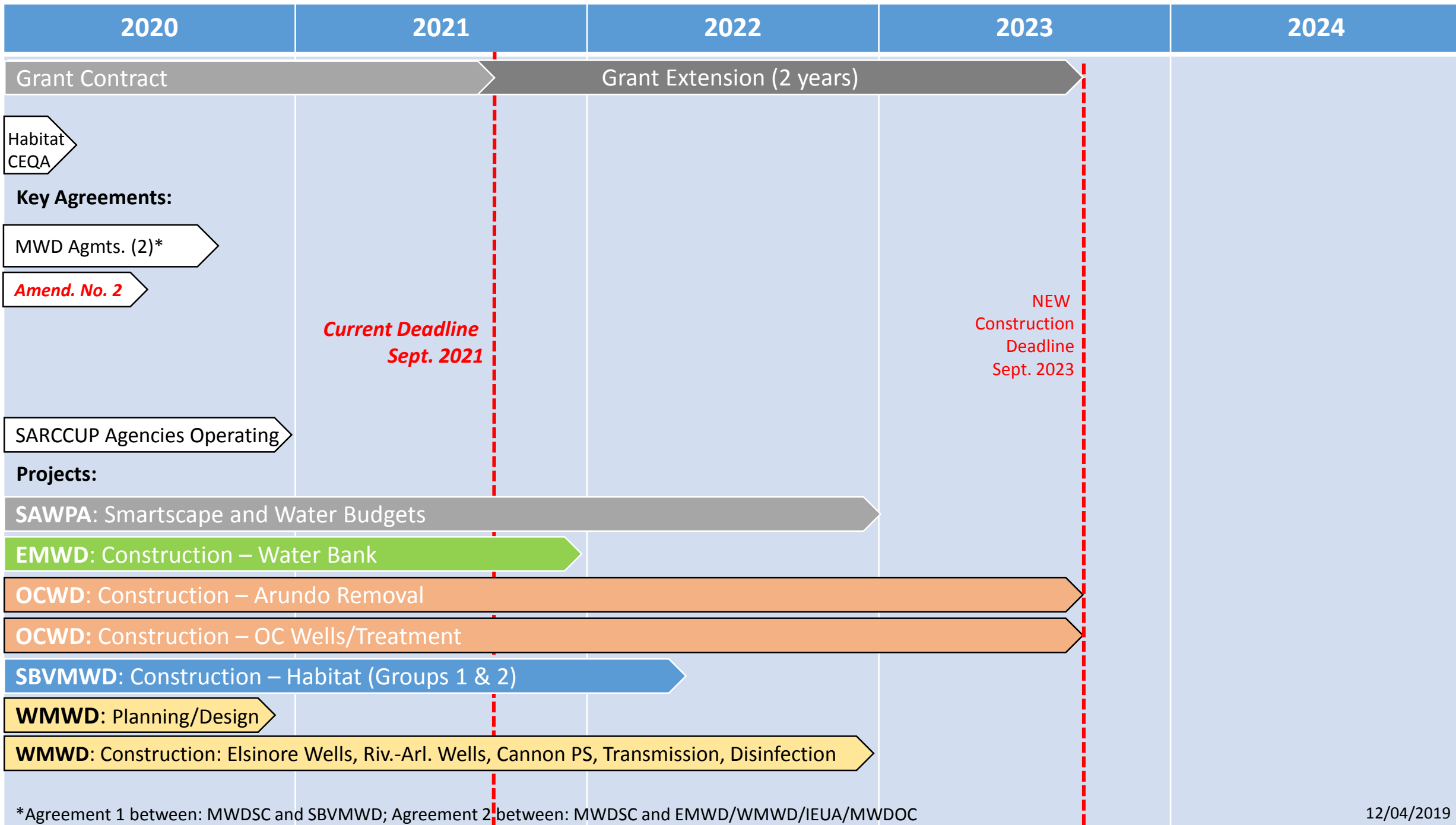
PA 23 Committee | December 17, 2019

Item No. 4.A.



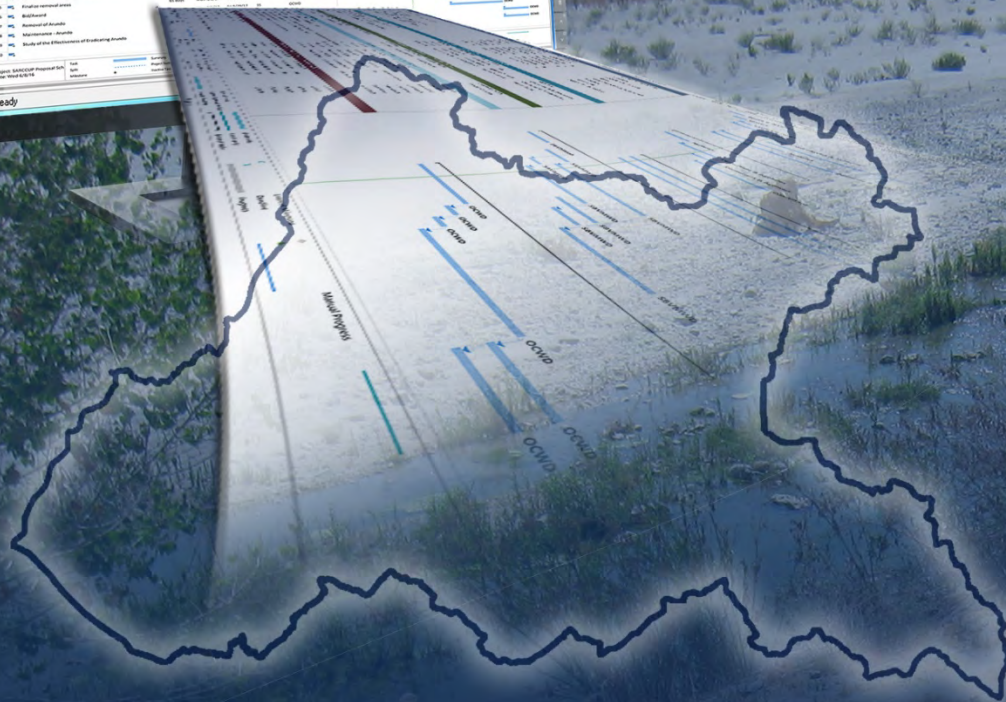
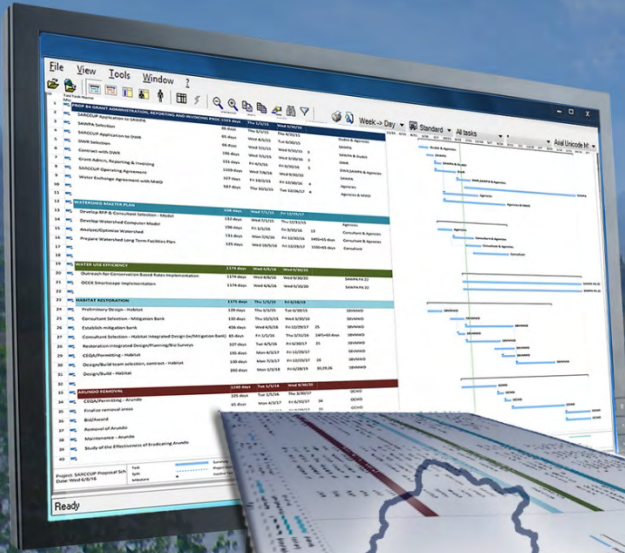


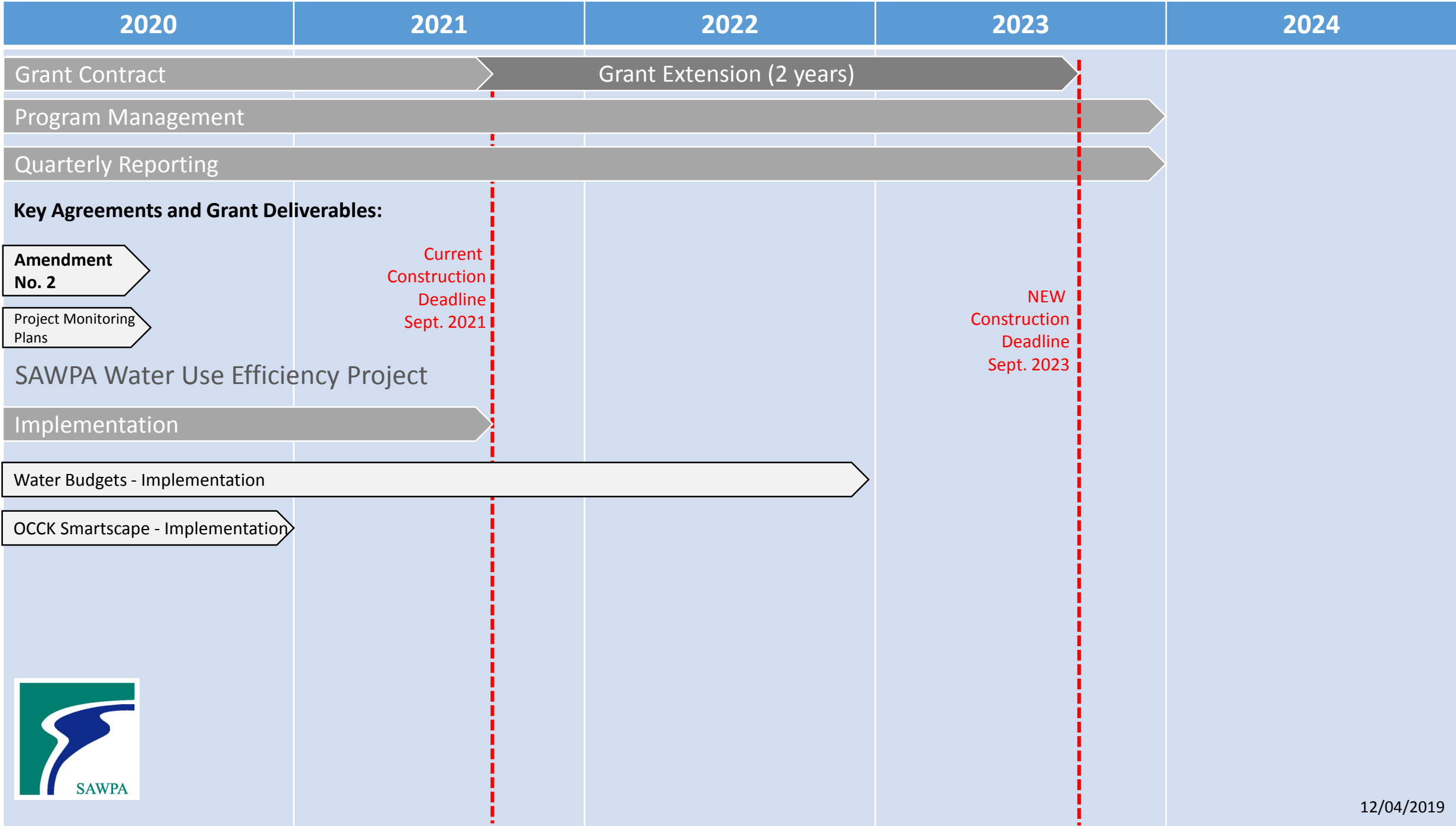


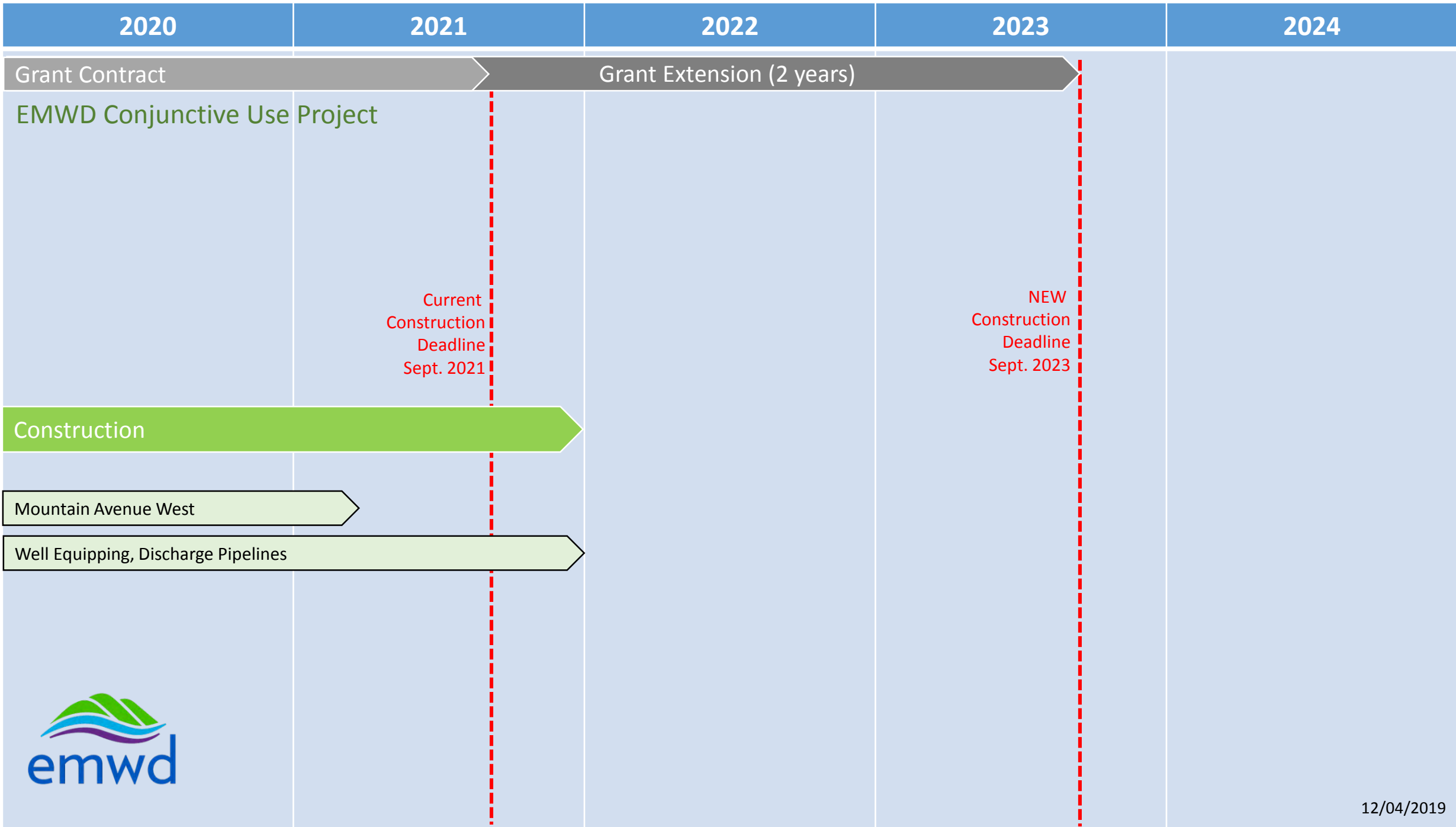


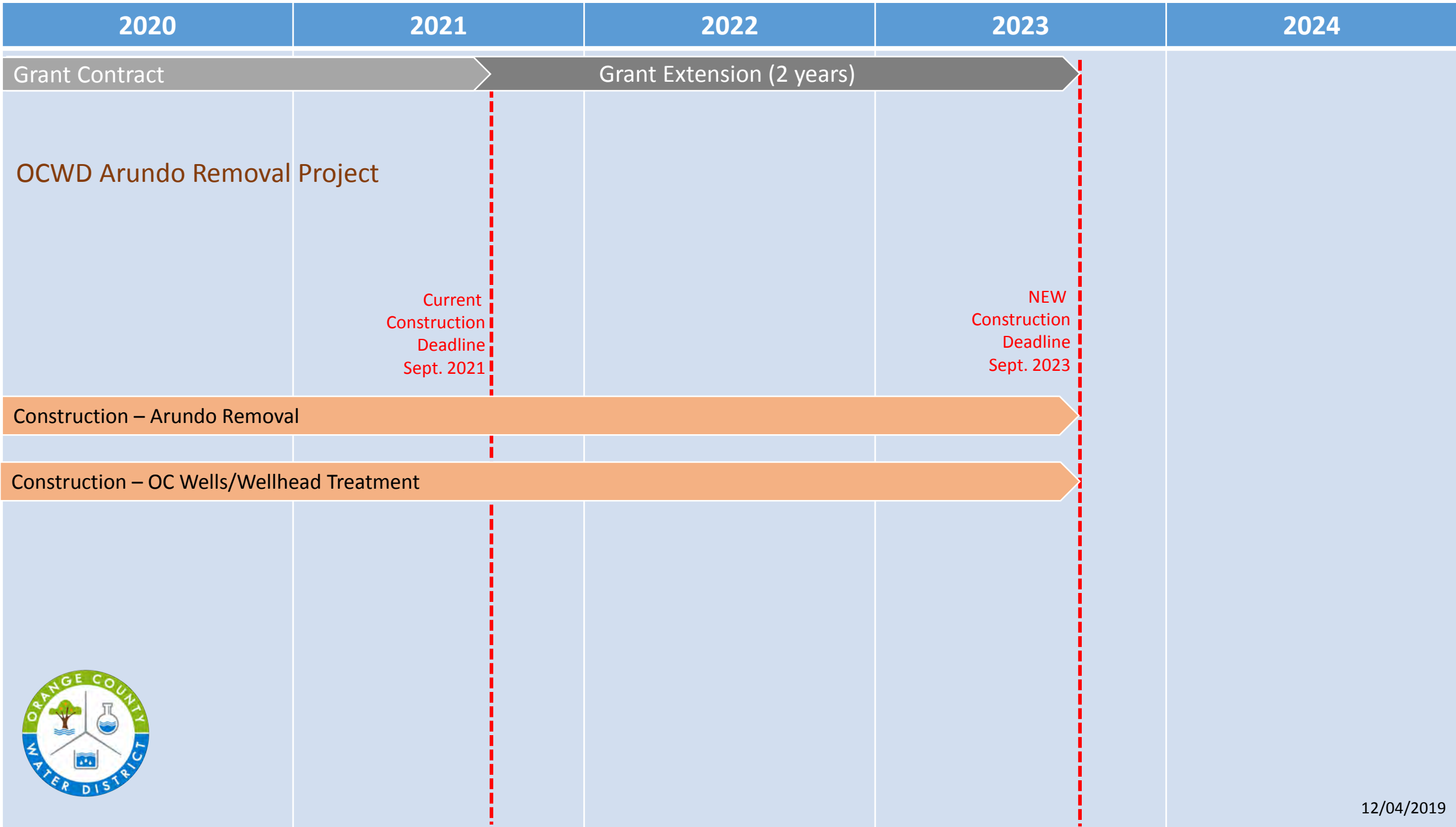
\*Agreement 1 between: MWDSC and SBVMWD; Agreement 2 between: MWDSC and EMWD/WMWD/IEUA/MWDOC

# 2020-2023 Agency Slides

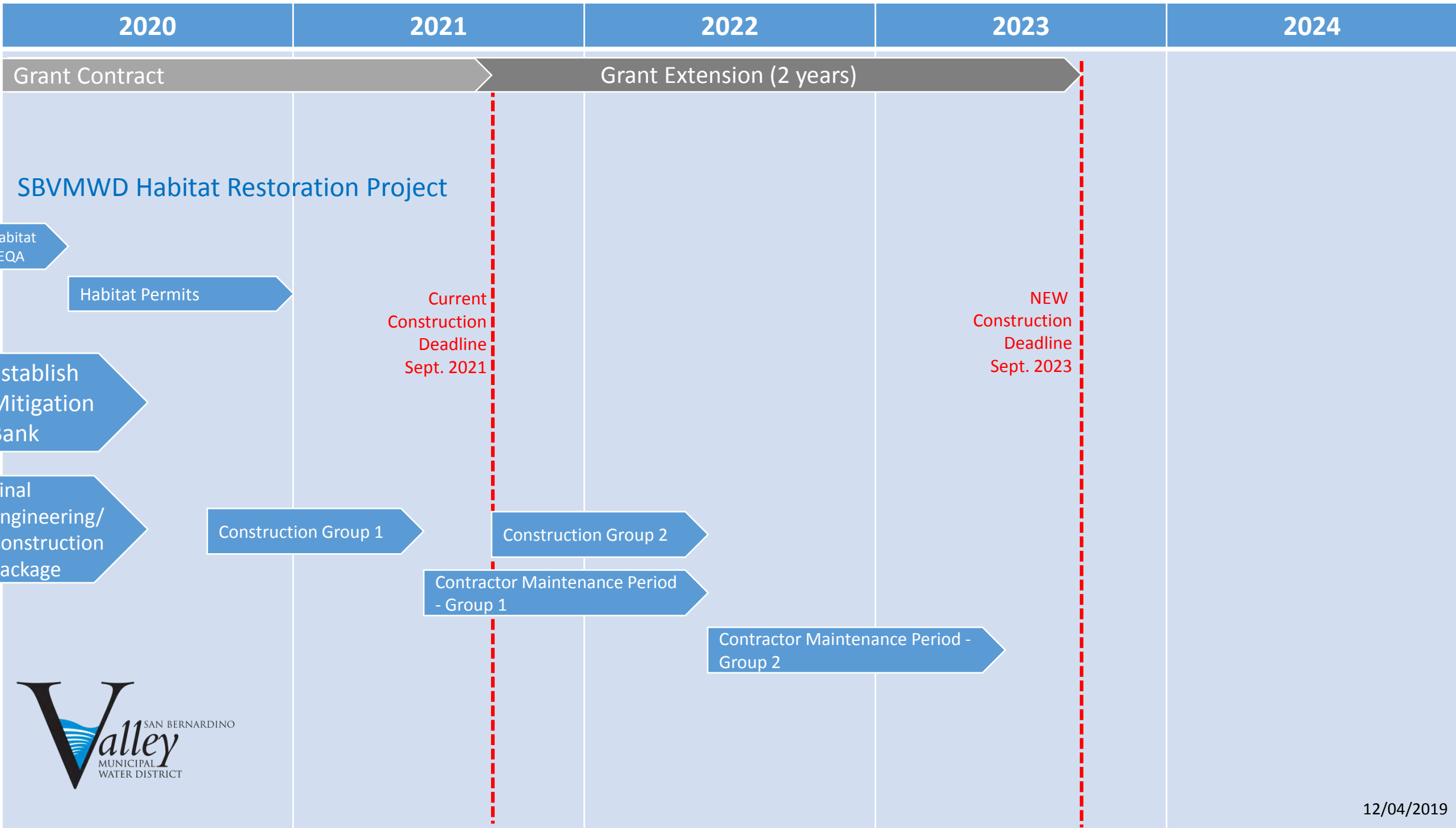


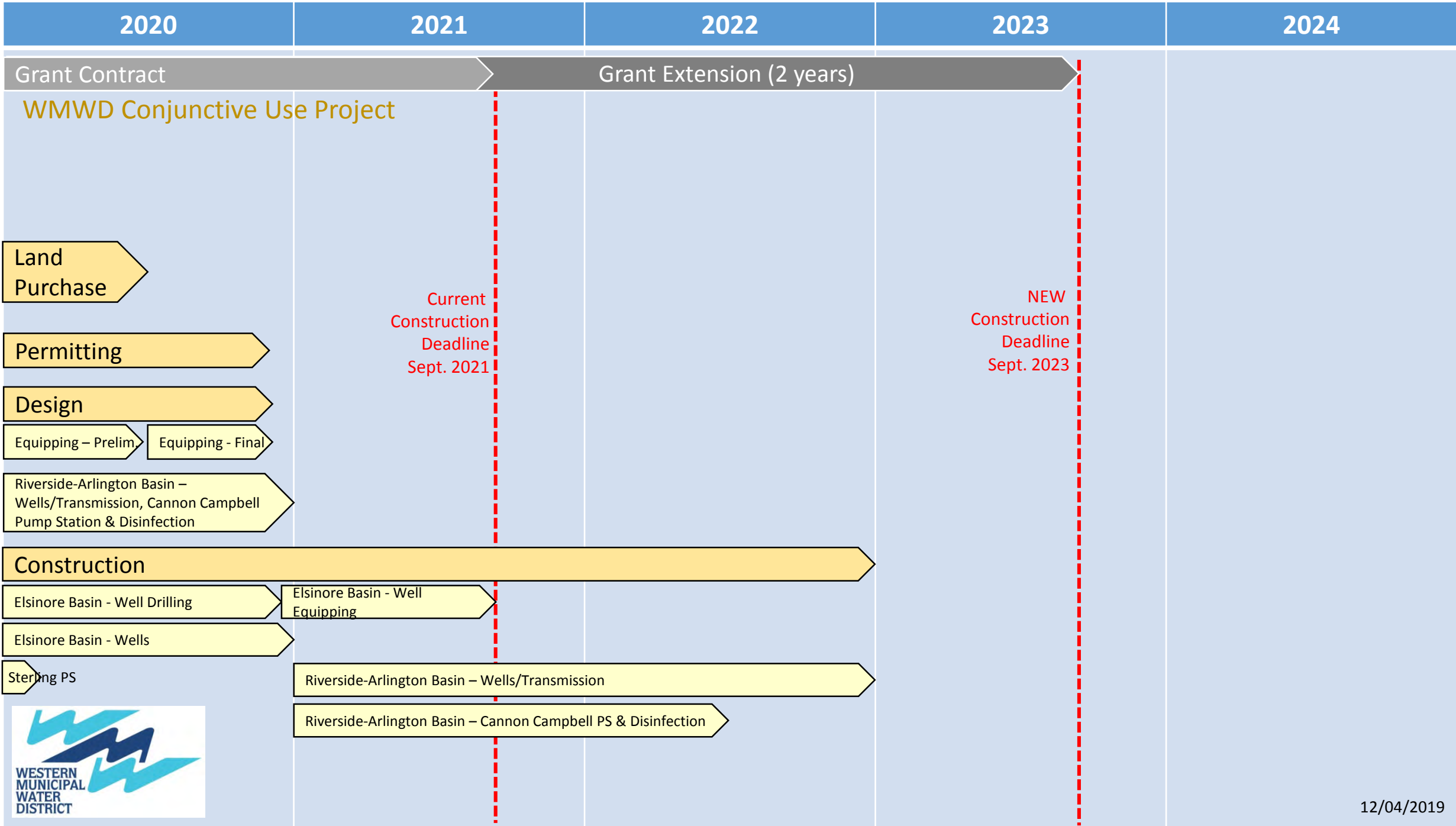












# SARCCUP Project Updates

SARCCUP Project Proponents

PA 23 Committee | December 17, 2019

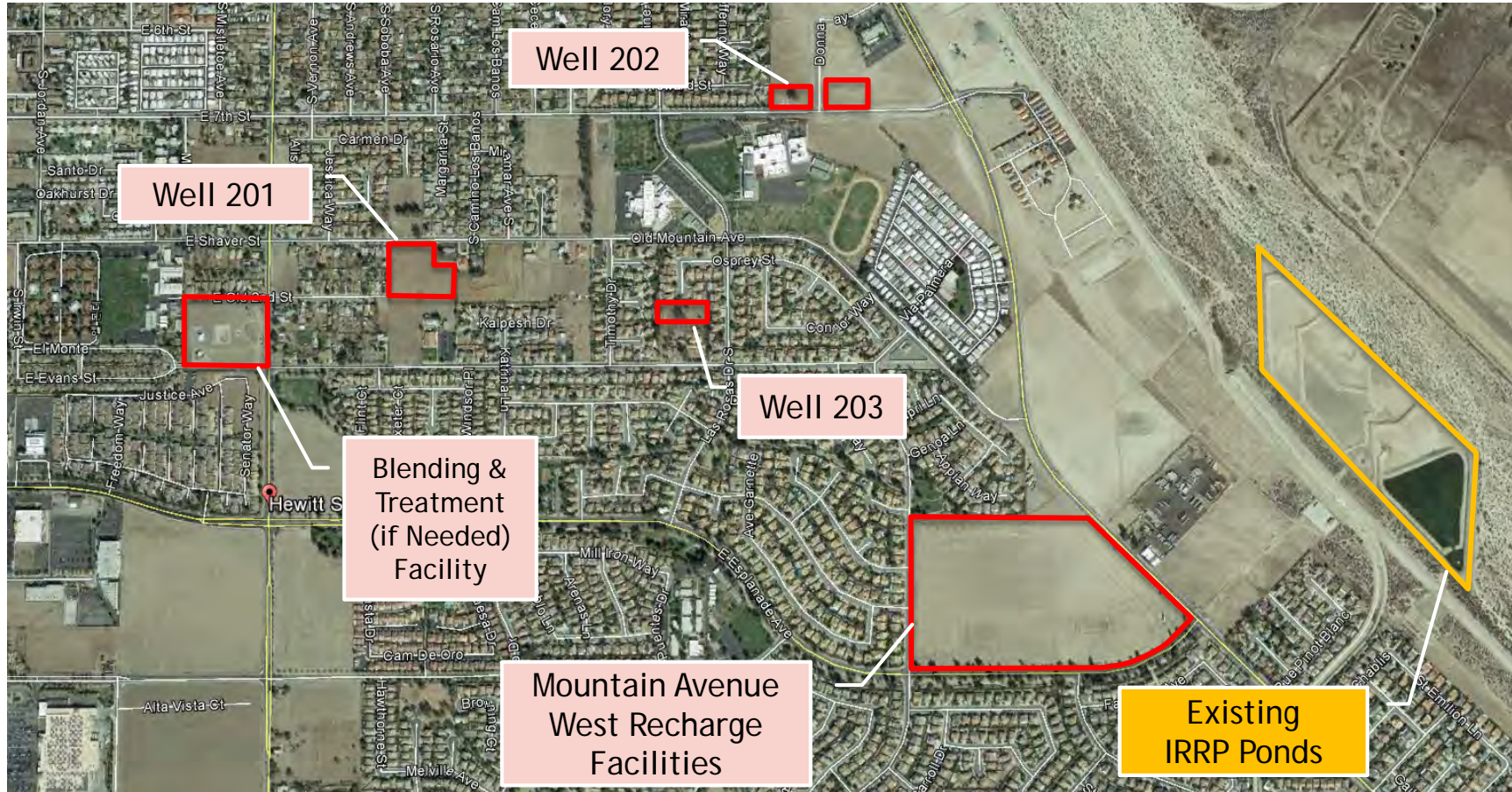
Item No. 4.B.



# EMWD Project Update - San Jacinto Basin



# EMWD Project Update



# EMWD Project Update - Wells 201, 202 & 203



Well 201 - Drilling Complete, Photo Shows Test Pump Being Installed



Well 201 - Photo Shows Well Head, Equipping Phase Next

# EMWD Project Update - Wells 201, 202 & 203



Well 202 - Drilling Complete, Photo Shows Casing Being Installed



Well 202 - Grading Complete, Photo Shows Well Head, Equipping Phase Next

# EMWD Project Update - Wells 201, 202 & 203



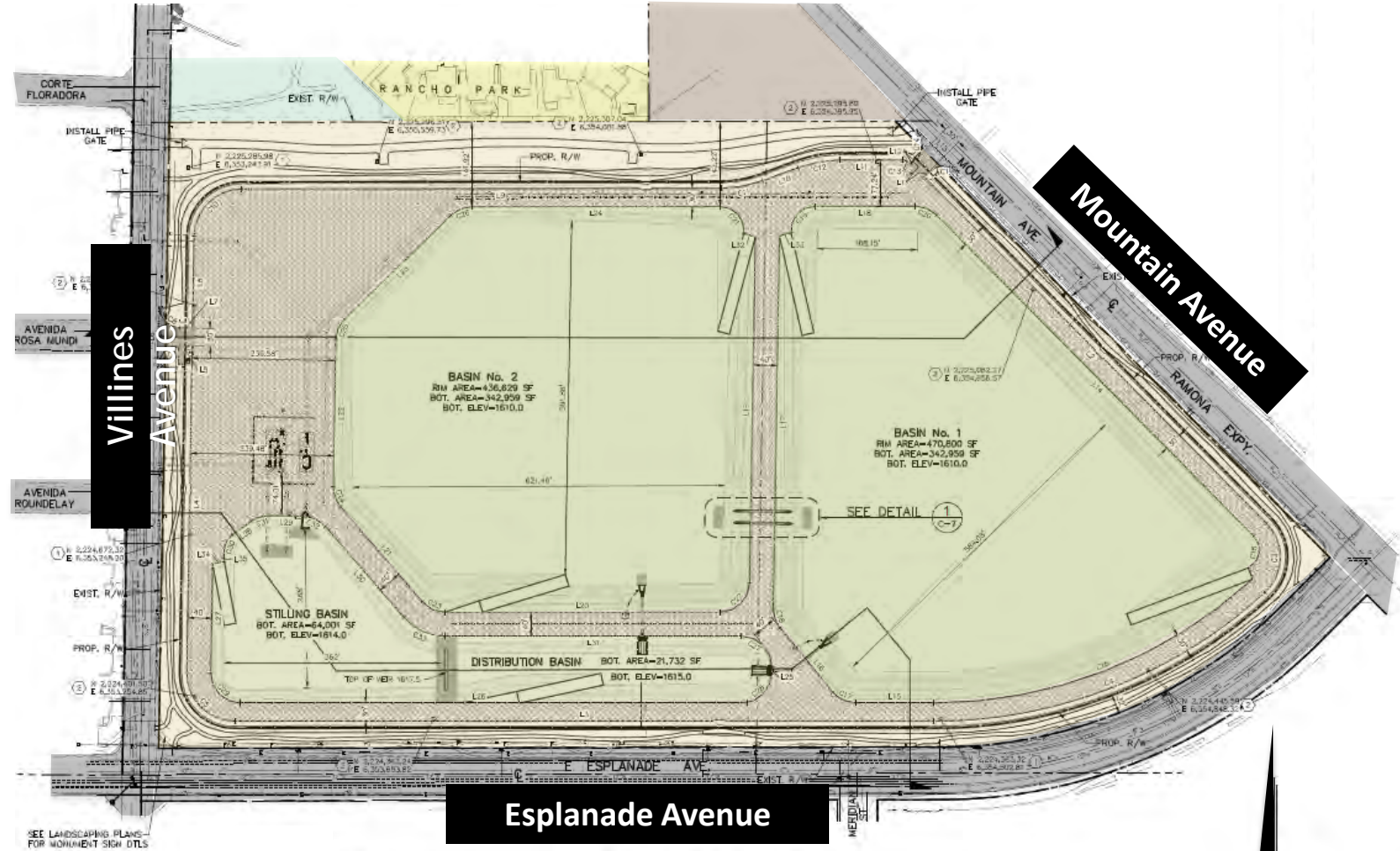
Well 203 - Photo Shows Well Reaming



Well 203 - Photo Shows Pump Development

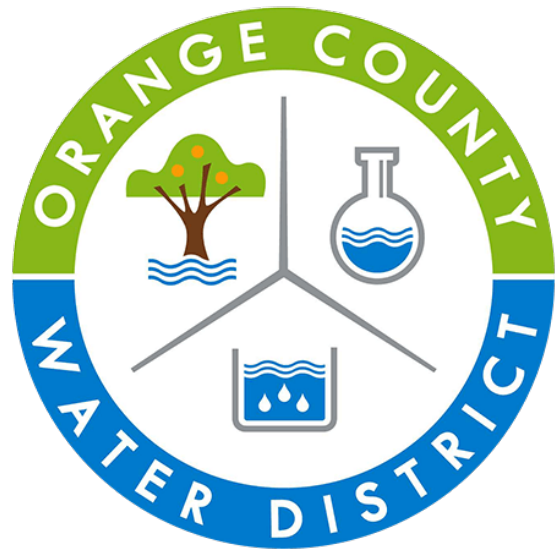


# EMWD Project Update - Mountain Avenue West

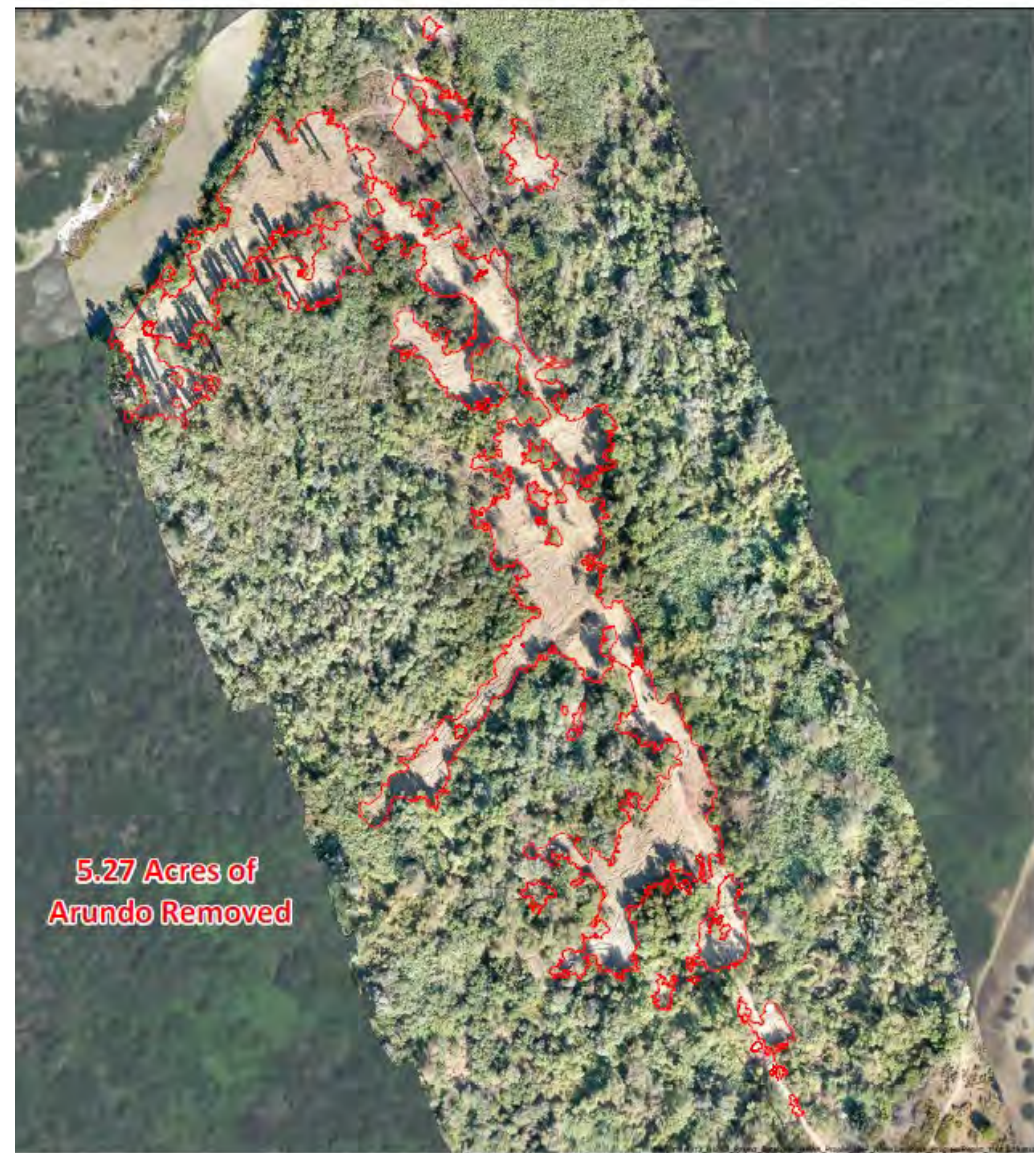
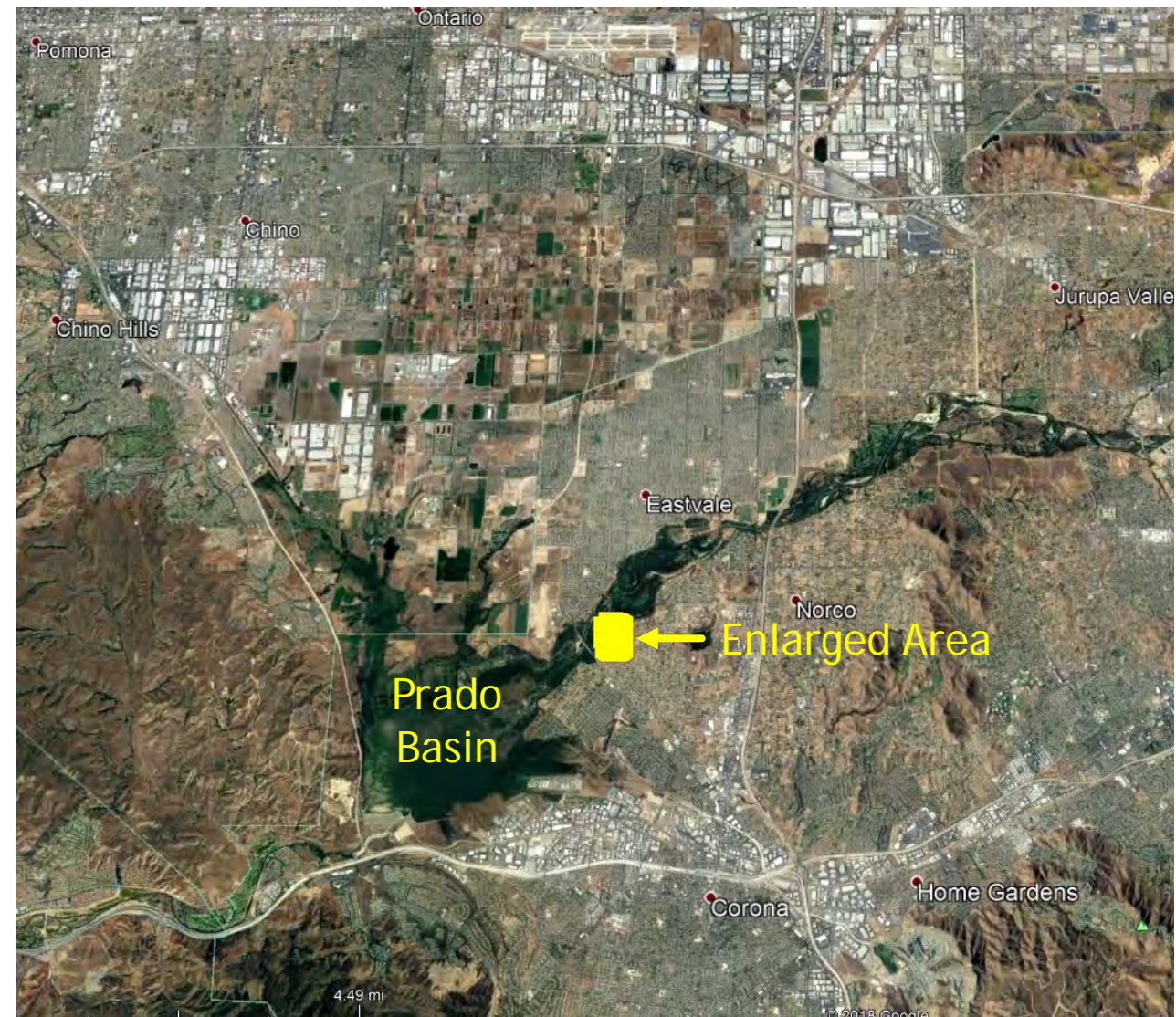


Mountain Avenue West Recharge Facility - Bids Received





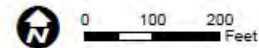
# OCWD Project Update - Arundo Removal



SAWA Arundo Donax Removal  
Exhibit: Progress Report - 11/01/2019



Arundo Removed (5.27 Acres)







# WMWD Projects Update



# Sterling Pump Station and La Sierra Pipeline



Installation of Pipe B into Sterling Avenue / Connection of Pipes B and C



Valve Installed in Flow Control Vault

# Cannon Campbell Pump Station

Western Municipal Water District

REQUEST FOR PROPOSAL:

New Pump Station and Interconnection with Riverside Public Utilities (RPU)



SUBMIT PROPOSAL TO:

Western Municipal Water District  
 Attn: Ronald Palacios, P.E.  
 14205 Meridian Parkway  
 Riverside, CA 92518

Event	Target Date
RFP Release Date	December 2019
Deadline to Submit Written Questions	December 2019
Proposal Deadline – Proposal DUE BY 2:00 p.m.	January 2020

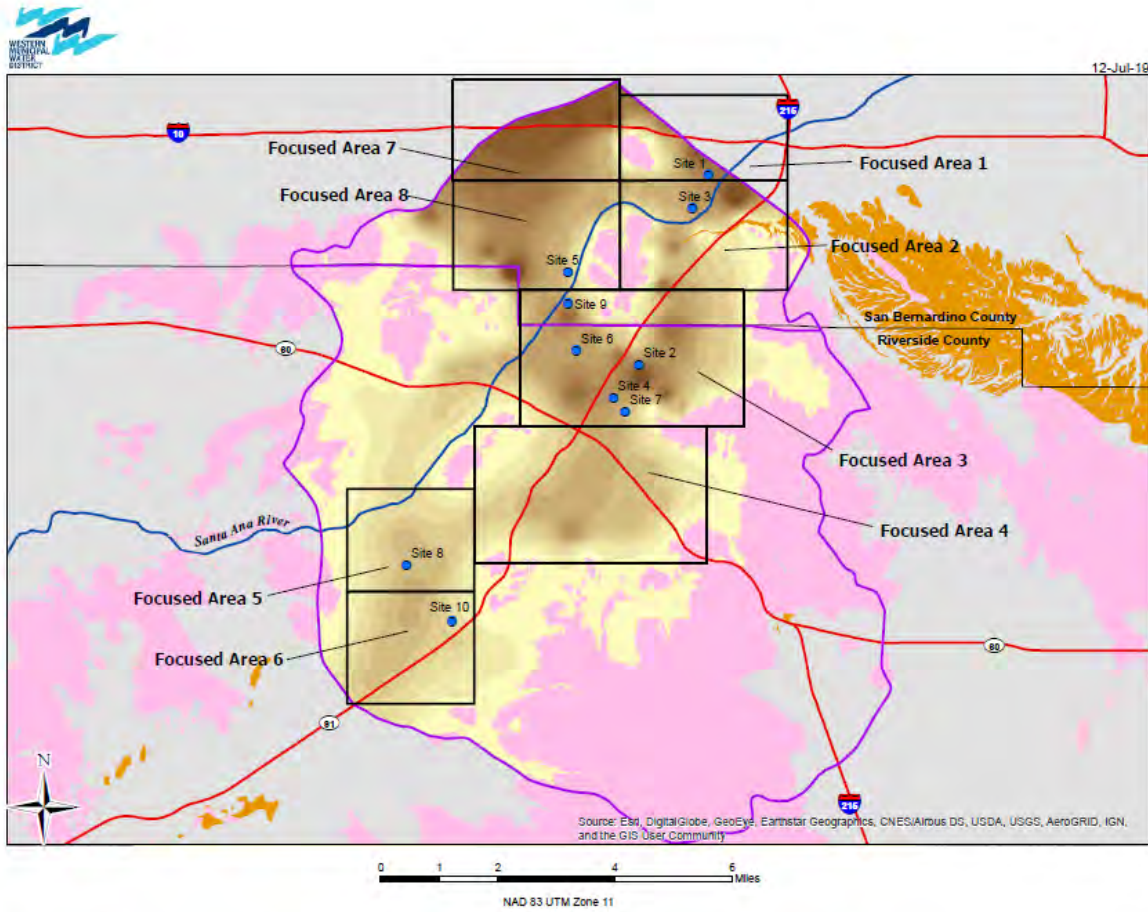




# Riverside-Arlington Wells

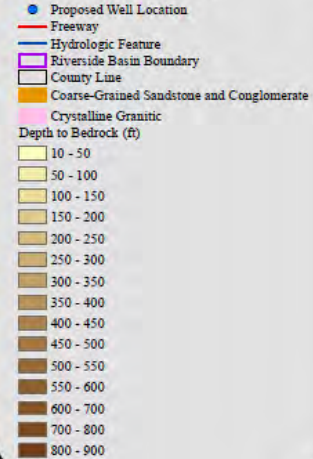
## Identification of Potential Well Sites in the Riverside Groundwater Basin

July 12, 2019



### Identification of Potential Well Sites in the Riverside Groundwater Basin

#### Map Features



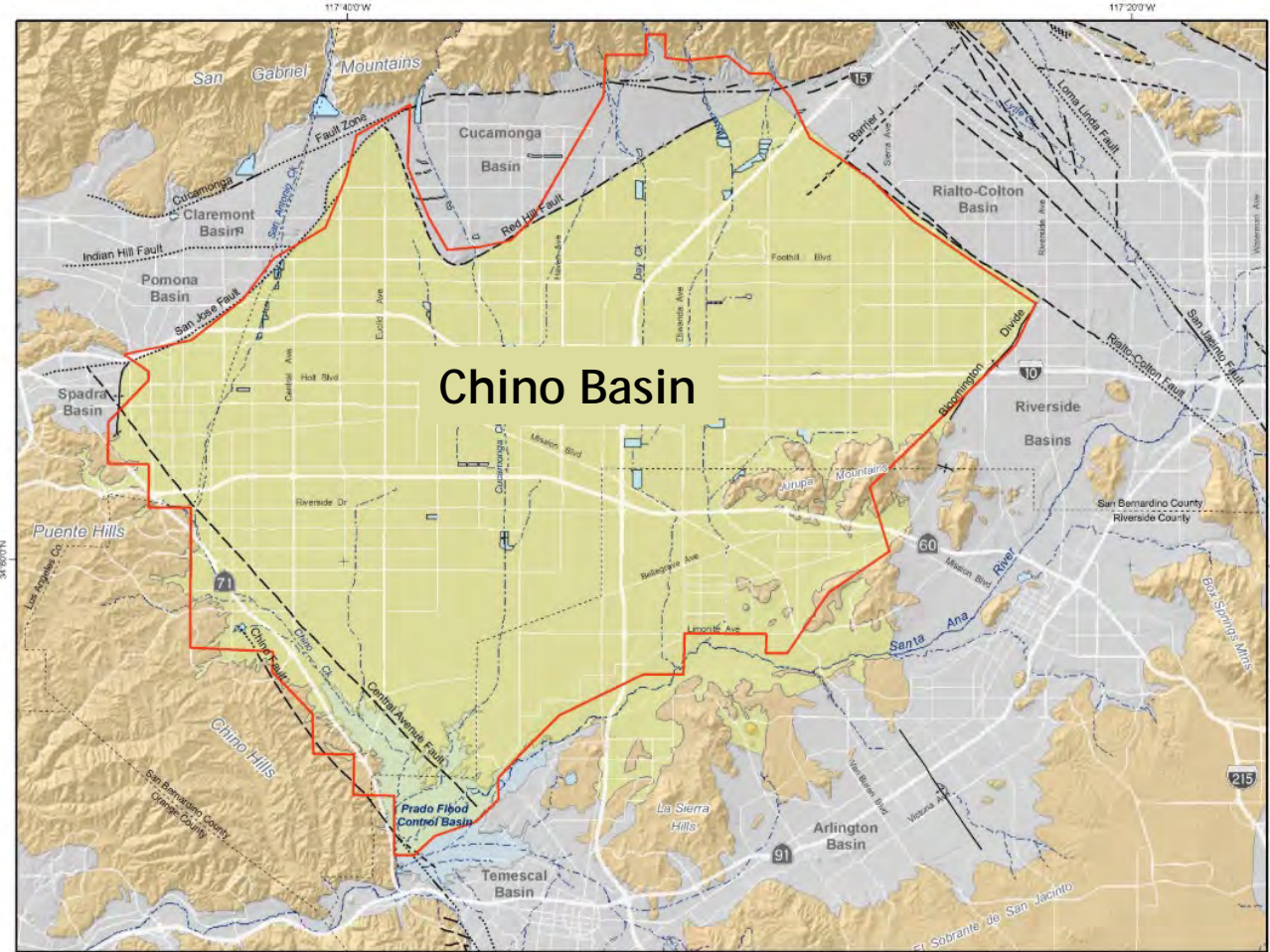
Riverside Basin Boundary as defined by the Western-San Bernardino Watermaster, 2016-2017.

Well data from CASGEM, DWR Driller's Logs, and from Cross Sections from Riverside-Arlington Groundwater Flow Model (June 2011).



# Chino Basin Storage - JCSD

- ▶ Application filed and approved 11/21/19 by Chino Basin Watermaster
  - ▶ 7,000 AF



# Questions

# DWR Grant Agreement Amendment No. 2 Update

Ian Achimore, Senior Watershed Manager

PA 23 Committee | December 17, 2019

Item No. 4.C.



# Recap of Recent SARCCUP Milestones

- ▶ SARCCUP team has determined storage locations in the watershed with the finalization of the Decision Support Model (feasibility study);
- ▶ PA 23 Committee approved contents of **Amendment No. 2** request to Department of Water Resources (DWR);
  - ▶ Approvals occurred during April and October 2019 Committee meetings.
- ▶ SAWPA has met with DWR on amendment request items such as the two-year schedule increase; and
- ▶ SARCCUP Team to conclude details of the final Amendment No. 2 package for December 2019 submittal to DWR.

# Updates Since October PA 23 Committee Meeting



Jurupa Community Services District Chino Basin storage application on WMWD's behalf;



Producer wells in the Orange County Groundwater Basin; and

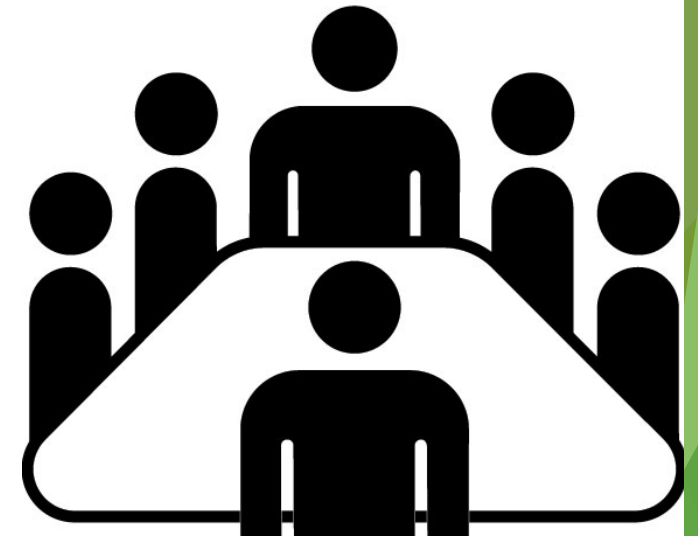


SAWPA meeting with Department of Water Resources on two-year schedule.



# Jurupa Community Services District (JCSD) Update

- ▶ JCSD's 7,000 AF Chino Basin groundwater recharge application approved by Chino Basin Watermaster Board on November 21, 2019.
- ▶ No new facilities needed to recharge (or extract) SARCCUP water in Chino Basin
  - ▶ 7,000 AF can be provided to the SARCCUP agencies, via WMWD, as an in-lieu transfer or direct delivery.
- ▶ **Next steps:** Per PA 23 request at October Committee meeting, SARCCUP Team is to provide the MOU between JCSD and WMWD.



# OC Wells Update

- ▶ OCWD selected five Groundwater Producers to construct five new wells.
  - ▶ The wells will be used to increase production during dry years to extract SARCCUP water banked in OC basin.
- ▶ Cost estimates and work plans from five producers have been incorporated into the DWR amendment request.



Producer with SARCCUP Well



# SAWPA/DWR Meeting on Amendment No. 2

- ▶ SAWPA discussed the two-year schedule increase with DWR management on November 5, 2019 after receiving approval from PA 23;
- ▶ DWR staff initially had concerns, but management was okay with the change as it will allow the SARCCUP Team to expand the project into Orange County; and
- ▶ Conversations still underway with DWR about reduced benefit amount.



# Overview of Amendment Package

Amendment Item	Basin
Update Chino Basin Storage Amount from 50,000 to 7,000 AF	Chino
Update Total Groundwater Basin Storage Amount from 180,000 to 137,000 AF	All
Budget: \$8M grant funding moved from Chino Basin to Orange County Basin;	Chino/Orange County
Budget: \$5M grant funding moved from Chino Basin (JCSD) to Riverside-Arlington	Chino/Riverside Arlington
Increase schedule from September 2021 to September 2023	All

# Storage Volumes by Basin

Groundwater Basin (SARCCUP Agency)	Nov-2016 (Approved Grant Agreement)	Jan-2018 (Approved Amendment 1)	Dec-2019 (Requested Amendment 2)
	<u>Storage (AF)</u>		
San Bernardino (SBVMWD)	60,000	64,000	64,000
Chino (IEUA/WMWD)	96,000	50,000	7,000
San Jacinto (EMWD)	19,500	19,500	19,500
Elsinore (WMWD)	4,500	4,500	4,500
Orange County (OCWD)	0	36,000	36,000
Riverside-Arlington (WMWD)	0	6,000	6,000
<b>TOTAL</b>	<b>180,000</b>	<b>180,000</b>	<b>137,000</b>

# Questions