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Call to Order

Board of Directors Workshop - Engineering
Tuesday, December 13, 2022

Chairperson – Director Harrison
Vice-Chair – Director Hayes

Introductions

Following the introduction of Directors and District staff, participants may use this time to state their name and agency/affiliation in order to be included in the formal record of attendees.

Public Comment

Members of the public may address the Board regarding any item within the subject matter jurisdiction of the Board; however, no action may be taken on off-agenda items except as authorized by law. Each speaker is limited to a maximum of three (3) minutes.

Discussion Item 3.1 (Pg. 3)

Heather Dyer, MS, MBA – Chief Executive Officer/General Manager
Leo Ferrando, PE, MS – Assistant Chief Engineer

Review Request for Proposals (RFP) for Sunrise Ranch
Property Master Plan Development

Staff Recommendation

Staff recommends that the Board of Directors review the draft request for proposals (RFP) for the Master Plan development regarding the Sunrise Ranch Property and provide input and feedback to Staff. Additionally, once input/comments are incorporated, as appropriate, direct Staff to issue the RFP to begin soliciting proposals.



Intro and Background

- In February 2022, the District completed the acquisition of 1,658-acres of unentitled land
- City of Highland, northeast of Redlands and Mentone
- Adjacent to the confluence of Mill Creek and the Santa Ana River
- Adjacent to San Bernardino National Forest





Intro and Background

Valley District identified the land purchase as financially and operationally advantageous:

1. Future Water Infrastructure needs
2. Habitat Mitigation



Board of Directors' Workshops

- Solicited Participation and Feedback
 - Board of Directors Workshops in 2022
 - April and July
- Survey in September 2022 to interested parties and stakeholders
- Master Plan for the property
- Landscape Architect/Environmental Consultant

Purpose of a Master Plan

- A planning-level document
- A guideline for the future physical development of the site
- A comprehensive plan to carry out the vision for the future and long-term goals
- Conceptual layout of the opportunities

Scope of Services

- Project Kickoff/Site Reconnaissance
- Project Management
- Master Plan Development (components for potential uses)
 - Water Supply Infrastructure
 - Mitigation
 - Recreation
 - Headquarters Facilities
 - Education Center Facilities
- Deliverables

Progress Meetings – Public Workshops

- Ongoing routine **progress meetings** with staff
- Four (4) Workshops with Board and Public:
 1. Initial workshop **within 45 days** of signing the contract for this Scope of Services
 2. Second workshop - at or about **5 months**
 3. Third workshop – at or about **9 months**
 - First Draft due
 4. Fourth workshop for the final presentation will occur around **13 months**
 - Final Plan due

Proposed RFP Process Schedule

DATE	EVENT
Thu 12/15/22	Release of Request for Proposal
Fri 1/6/23 by 4:00 pm	Deadline for Questions
Tue 1/17/23 by 4:00 pm	Responses to Questions Released
Fri 1/27/23 by 4:00 pm	Deadline for Receipt of Proposals
Fri 2/3/23	Notice of Interviews (Optional)
Fri 2/10/23	Interviews (Optional)
Tue 3/7/23	Approximate Board of Directors' approval and Award (Tentative)

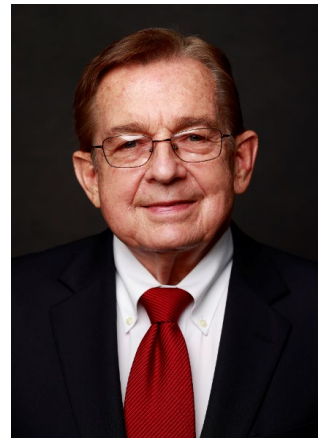
Director Comments and Discussion



Paul Kielhold
President



June Hayes
Vice President



**T. Milford
Harrison**
Treasurer



Gil J. Botello
Director



Susan Longville
Director

Staff Recommendation

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Discussion Item 3.2 (Pg. 15)

Mike Esquer – Senior Project Manager

Leo Ferrando, PE, MS – Assistant Chief Engineer

Wen Huang, PE, MS – Deputy General Manager/Chief Engineer

Project Update Report on the Enhanced Recharge in the Santa Ana River Basins - Phase I B Project

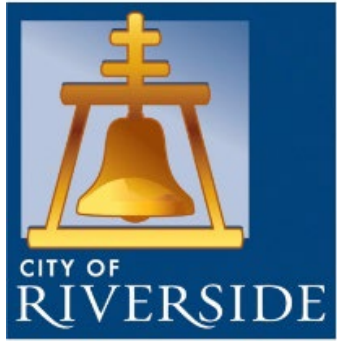
Staff Recommendation

Receive and file.

Enhanced Recharge Project - update

- Progress of Engineering & Design Documents
- Progress of Environmental Compliance
- Update on the Operational Plan
- Update of the Project Schedule
- Update of the Project Cost Estimate

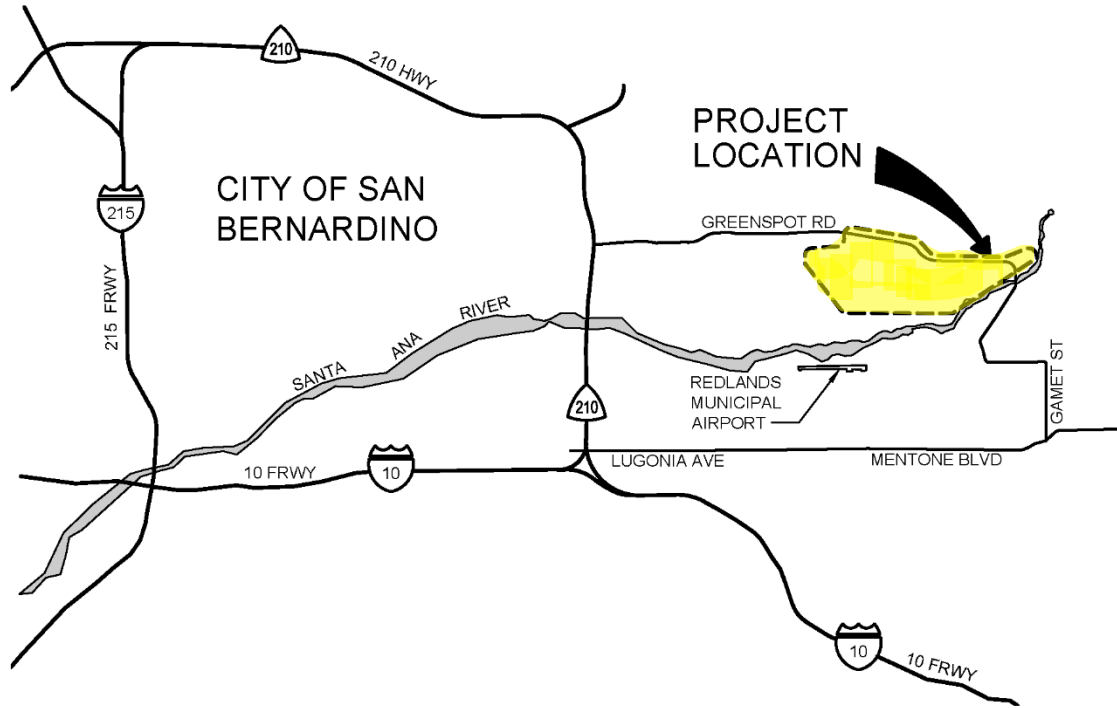
WATER | ENERGY | LIFE



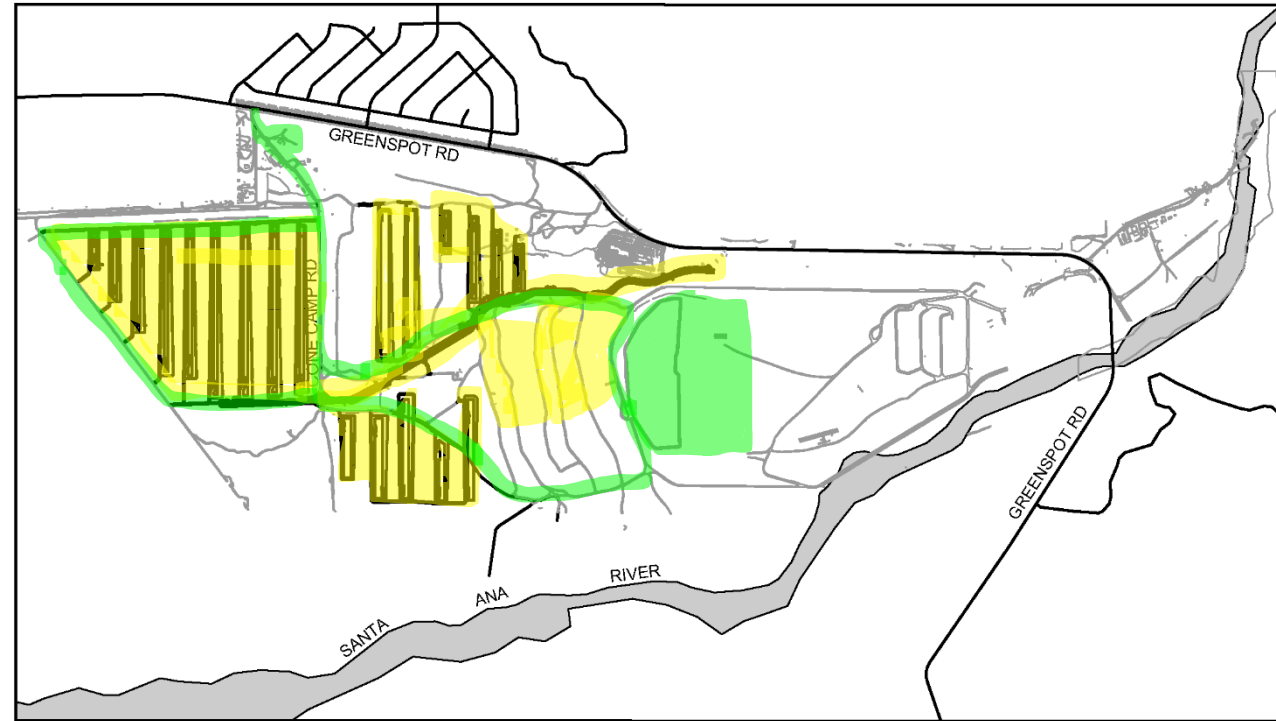
PUBLIC UTILITIES



ENHANCED RECHARGE PROJECT PARTNERS

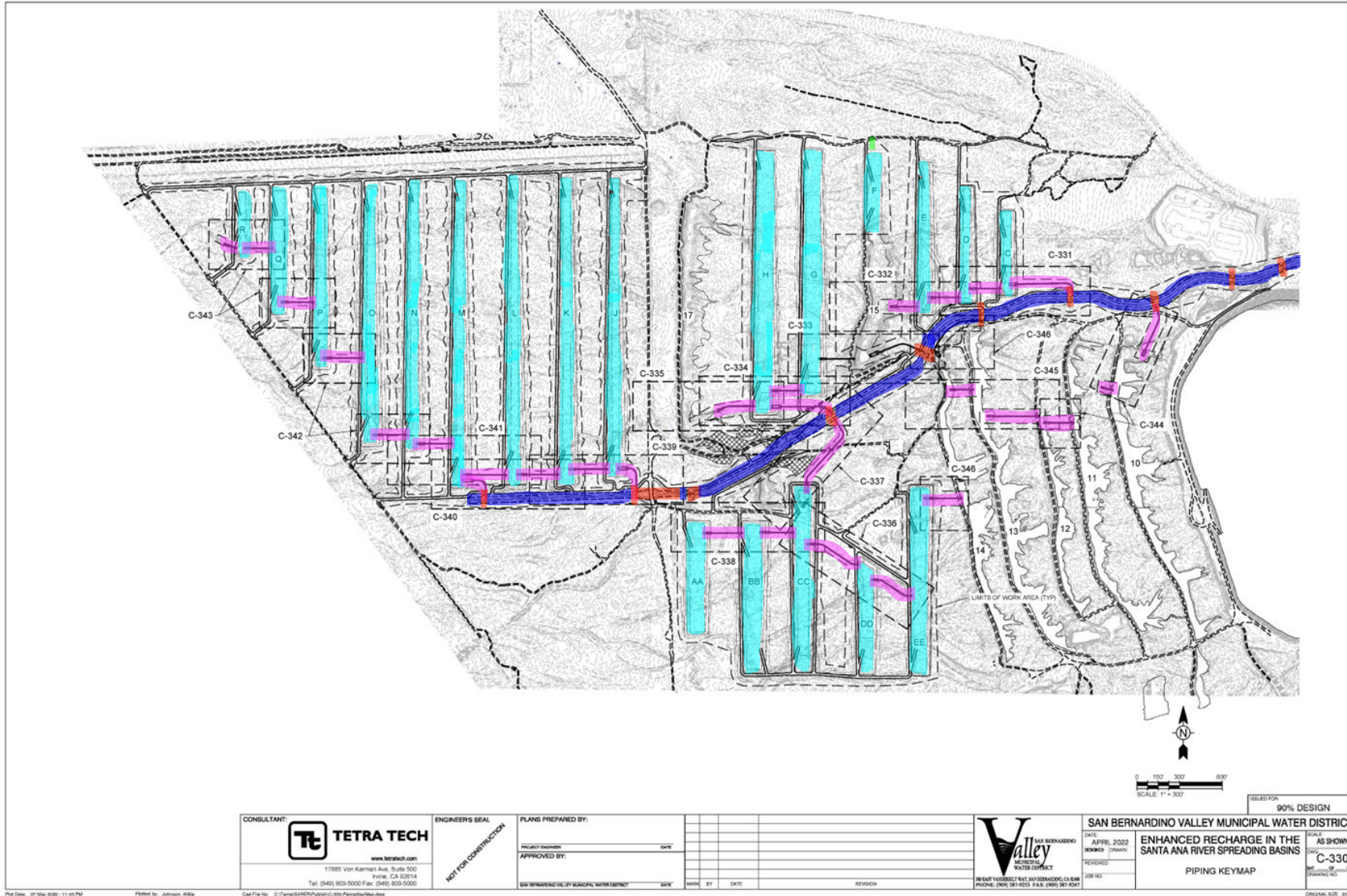


VICINITY MAP
SCALE: NTS



LOCATION MAP
SCALE: NTS

✓ Progress of Engineering & Design Documents



CONSULTANT

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Irvine, CA 92614
Tel: (949) 853-5000 Fax: (949) 853-5000

ENGINEER'S SEAL

NOT FOR CONSTRUCTION

PLANS PREPARED BY:

PROJECT ENGINEER	DATE

APPROVED BY:

DATE	BY	DATE	REVISION

Valley WATER DISTRICT

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

PHONE: (909) 381-9233 FAX: (909) 381-9261

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

DATE: APRIL 2022

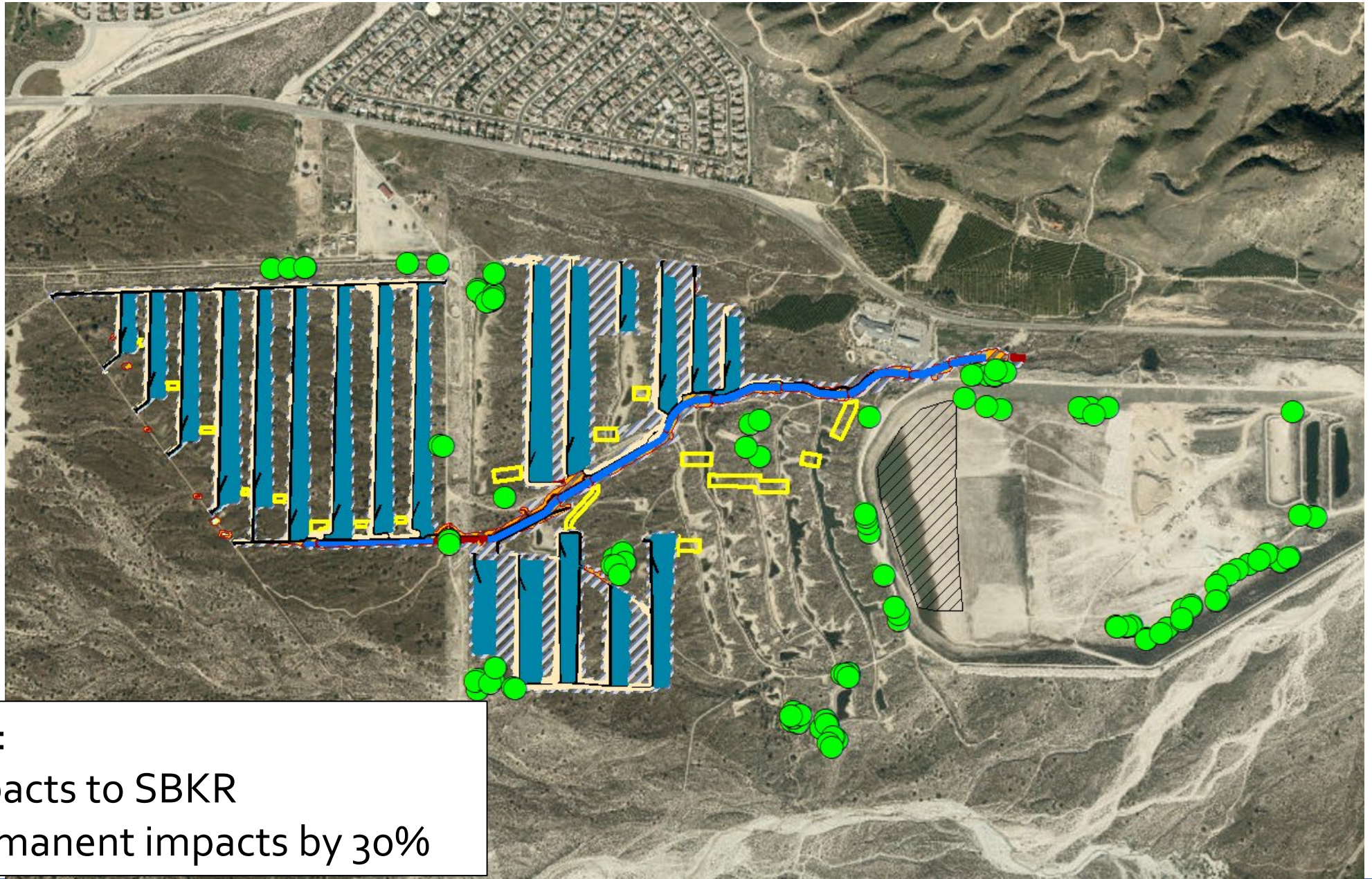
ENHANCED RECHARGE IN THE SANTA ANA RIVER SPREADING BASINS

PIPING KEYMAP

PROJECT: C-330

DRAWING NO. [Number]

ORIGINAL SIZE: 32" x 44"



Redesign efforts:

- Reduced impacts to SBKR
- Reduced permanent impacts by 30%

✓ **Progress of Environmental Compliance**

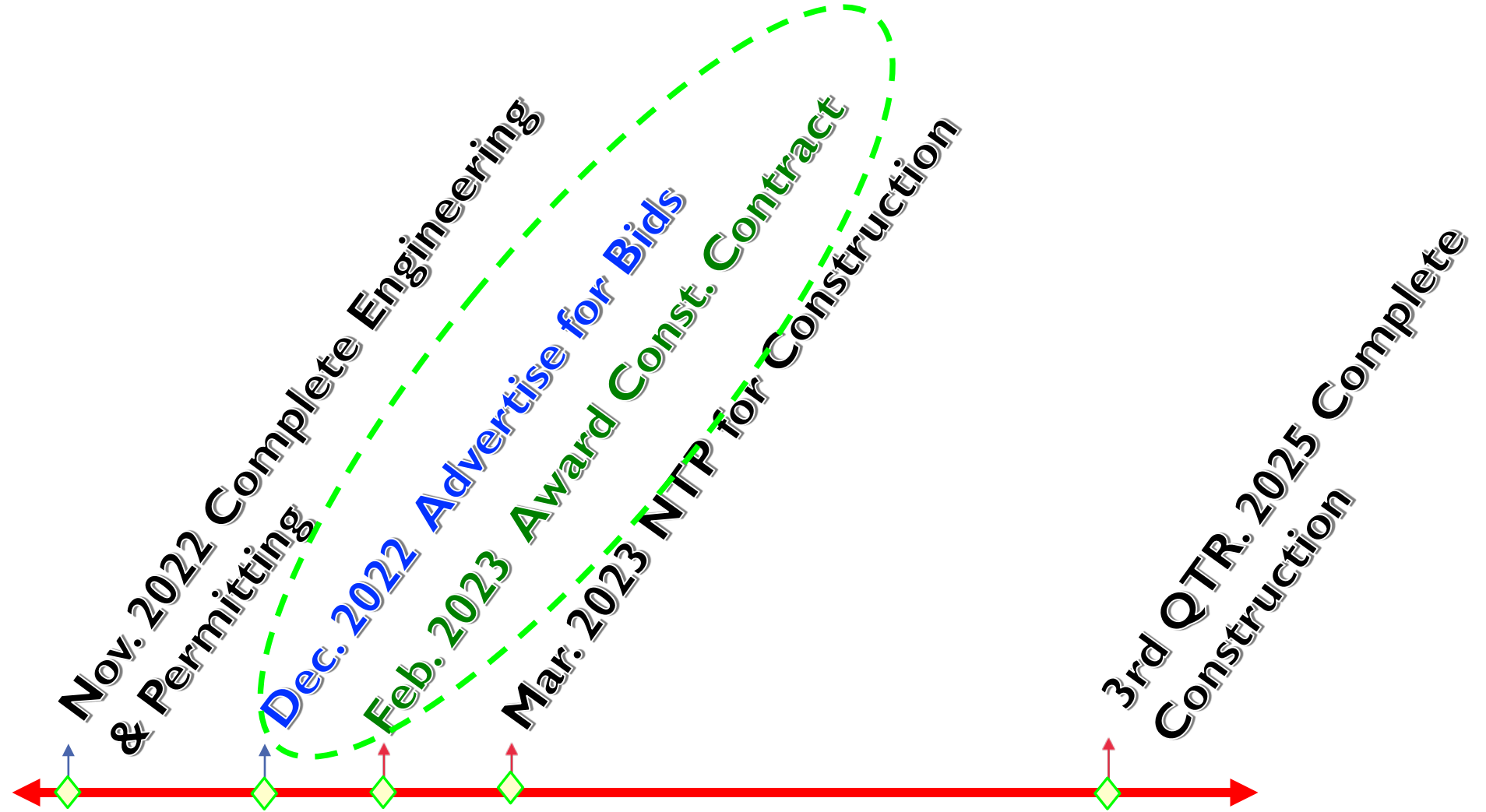
- USACE – declined jurisdiction
- RWQCB – “determined not to take action”
- CDFW:
 - Final LSA (finalized 11/17/2022)
 - ITP Pending
- Wash Plan:
 - A Basins (west): USFWS COI compliance – April 25, 2022.
 - B Basins (east): USFWS COI compliance – Nov 15, 2022.

COI (for A and B Basins) from SBVWCD pending
- Bureau of Reclamation - \$2 million grant – NEPA in-progress

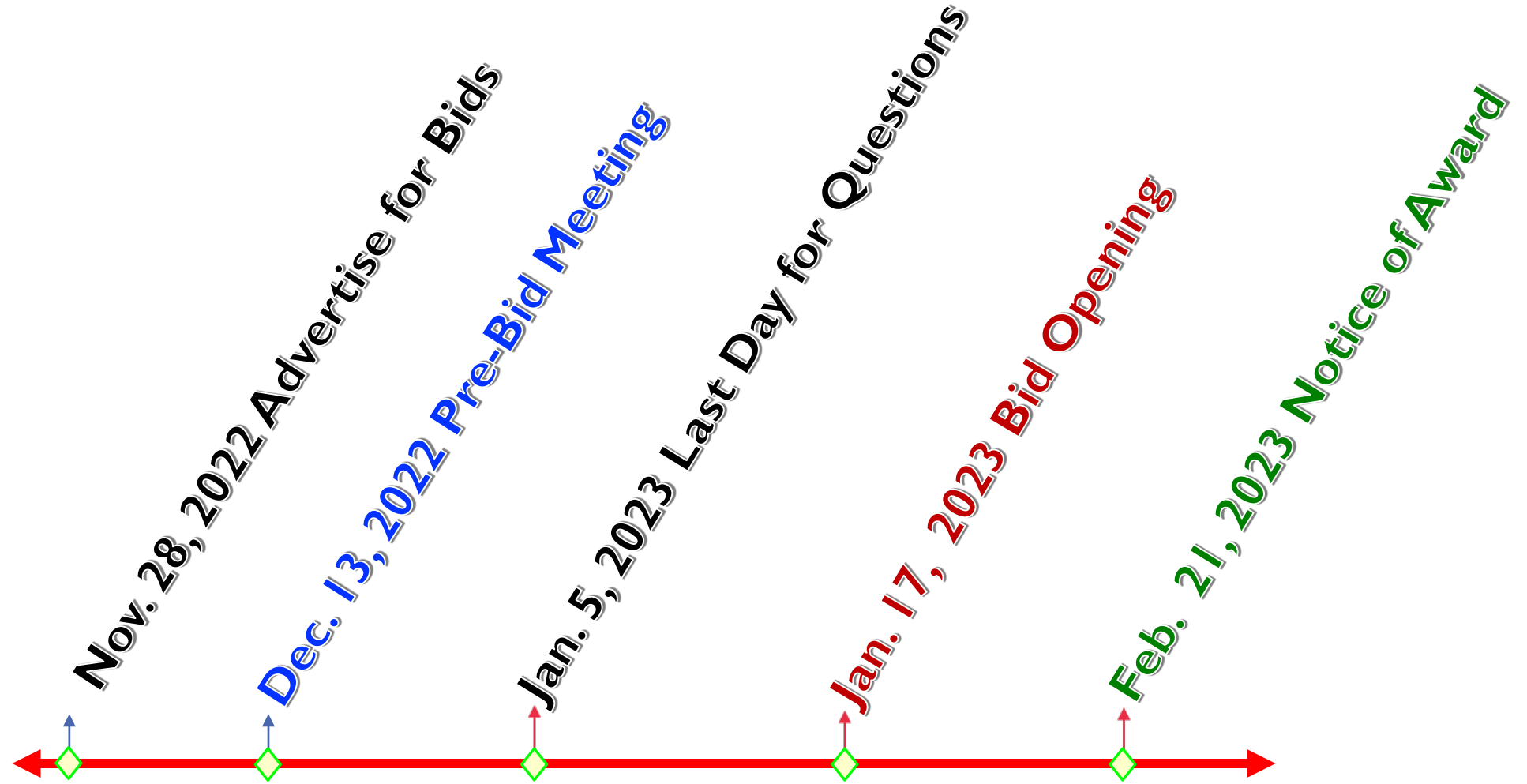
✓ **Overview of Proposed Operational Plan**

- **Operational Plan** : Describes operations from Cuttle Weir through all (new & existing) basins down to Dike D outlets
- **Operational Pattern**: Generally, from upstream to downstream and the reiterate to fine tune and adjust as system changes;
- **Wet Year Operations (40,000 to 78,500 ac-ft/yr)**: All basins in use = approx. 100 system adjustment & monitoring locations
 - **Smart Basins**: Channel and basin weirs, level sensors and staff gauges will reduce (but not eliminate) operator time at each location
 - **Quick assessment** of the main channel and each basins real-time performance will be critical to making system adjustments
 - **Constant tracking** of basins performance, weather forecasting, Dam pool status, and pre-storm system setting adjustment will help reduce risk and maximize system performance
- **Dry/Medium Year Operations (<40,000 ac-ft/yr)**: Much easier to manage

✓ Update of the Project Schedule



✓ Update of the Project Schedule



✓ Update of the Project Cost Estimate

SARER Phase 1B Bid Items				
Item #	Line Item	Qty	Unit	
1	GRADING	100	LS	\$
2	CHANNEL & CHANNEL STRUCTURES	100	LS	\$
3	MWD/DWR CROSSING	100	LS	\$
4	INTERBASIN STRUCTURES	100	LS	\$
5	EVWD CROSSING	100	LS	\$
6	INTERBASIN PIPING	100	LS	\$
7	ELECTRICAL	100	LS	\$
8	MOBILIZATION	100	LS	\$
9	ENVIRONMENTAL	100	LS	\$
10	WORK NOT COVERED IN OTHER BID ITEMS	100	LS	\$
	TOTAL			\$ 60M -80M
	Optional Haul Off - Excess Material			\$ 20M
	Direct Cost No Markup			

Director Comments and Discussion



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President



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Staff Recommendation

Receive and file.

Future Business



Adjournment
