

LOS OSOS GROUNDWATER BASIN, BASIN MANAGEMENT COMMITTEE

NOTICE OF MEETING

NOTICE IS HEREBY GIVEN that the Los Osos Groundwater Basin, Basin Management Committee Board of Directors will hold a **Regular Board Meeting at 1:30 P.M. on Wednesday, October 16, 2024** at the **Los Osos Community Services District Boardroom**, located at 2122 9th Street, Suite 106, Los Osos, CA 93402. Members of the public may participate in this meeting in person or via teleconference and/or electronically.

For quick access, go to <https://us04web.zoom.us/j/778762508>

(This link will help connect both your browser and telephone to the call)

If not using a computer, dial 1 (669) 900-6833 or 1 (346) 248-779 and enter **778 762 508**

All persons desiring to speak during any Public Comment can submit a comment by:

- Email at danheimel@ConfluenceES.com by 5:00 PM on the day prior to the Committee meeting.
- Teleconference by phone at 1 (669) 900-6833 and enter **778 762 508**
- Teleconference by phone at 1 (346) 248-7799 and enter **778 762 508**
- Teleconference meeting at <https://us04web.zoom.us/j/778762508>
- Mail by 5:00 PM on the day prior to the Committee meeting to:
Attn: Dan HeimeI (Basin Management Committee)
2122 9th St.
Suite 110
Los Osos, CA 93402

Supervisor Bruce Gibson will be appearing at the Wednesday, October 16, 2024 meeting of the Los Osos Basin Management Committee via teleconference pursuant to Government Code, Section 54953. The teleconference location is 1100 K St., Sacramento, CA 95814 (California State Assn. of Counties) and members of the public will be able to participate in the meeting from that location. Notice of this location and the entire Los Osos Basin Management Committee agenda will be posted at 1100 K St., Sacramento, CA 95814.

Los Osos Basin Management Committee Website: Go to <https://www.losososbmc.org/> to view agendas, agenda packets, meeting recordings, important documents, and BMC news. Click "join our mailing list" in the lower right-hand corner of the page to receive email updates and meeting notifications.

Directors: Agenda items are numbered for identification purposes only and may not necessarily be considered in numerical order.

NOTE: The Basin Management Committee reserves the right to limit each speaker to three (3) minutes per subject or topic. In compliance with the Americans with Disabilities Act, all possible accommodations will be made for individuals with disabilities, so they may participate in the meeting. Persons who require accommodation for any audio, visual or other disability in order to participate in the meeting of the BMC are encouraged to request such accommodation 48 hours in advance of the meeting from Dan HeimeI at danheimel@ConfluenceES.com.

BASIN MANAGEMENT COMMITTEE BOARD OF DIRECTORS AGENDA

1. **CALL TO ORDER**
2. **ROLL CALL**
3. **PLEDGE OF ALLEGIANCE**

4. BOARD MEMBER COMMENTS

Board members may make brief comments, provide project status updates, or communicate with other directors, staff, or the public regarding non-agenda topics.

5. SPECIAL PRESENTATION

- a. None**

6. CONSENT AGENDA

The following routine items listed below are scheduled for consideration as a group. Each item is recommended for approval unless noted and may be approved in their entirety by one motion. Any member of the public who wishes to comment on any Consent Agenda item may do so at this time. Consent items generally require no discussion. However, any Director may request that any item be withdrawn from the Consent Agenda and moved to the "Action Items" portion of the Agenda to permit discussion or to change the recommended course of action. The Board may approve the remainder of the Consent Agenda on one motion.

- a. 2024 Financial Reports**
- b. Approval of Minutes from September 25th, 2024 Special BMC Meeting**

7. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA

The Basin Management Committee will consider public comments on items not appearing on the agenda and within the subject matter jurisdiction of the Basin Management Committee. The Basin Management Committee cannot enter into a detailed discussion or take any action on any items presented during public comments at this time. Such items may only be referred to the Executive Director or other staff for administrative action or scheduled on a subsequent agenda for discussion. Persons wishing to speak on specific agenda items should do so at the time specified for those items. The presiding Chair shall limit public comments to three minutes.

8. EXECUTIVE DIRECTOR'S REPORT

9. ACTION ITEMS

- a. LA14 and LA16 Groundwater Monitoring Wells Rehabilitation Contract Award Authorization**

Recommendation: Approve the Executive Director and Los Osos Community Service District to award the contract for the LA14 and LA16 Groundwater Monitoring Wells Rehabilitation if the lowest responsive bid is within the approved BMC budget; or provide alternate direction to staff.

- b. Rose Foundation Central Coast Community-Based Water Quality Grant**

Recommendation: Authorize the Executive Director to execute the contract between the Rose Foundation and the BMC to receive \$150,000 in grant funding for the Sweet Springs Monitoring Well; or provide alternate direction to staff.

- c. Sustainable Yield Estimate for Calendar Year 2025**

Recommendation: Receive information on the Sustainable Yield calculations and consider approval of the proposed Sustainable Yield estimate of 2,380 AFY for Calendar Year 2025; or provide alternate direction to staff.

10. ADJOURNMENT

TO: Los Osos Basin Management Committee

FROM: Daniel Heimel, Executive Director

DATE: October 16th, 2024

SUBJECT: Item 6 – Approval of Financial Reports and/or Meeting Minutes

Recommendations

BMC Staff recommends that the BMC review and consider approval of Financial Reports and/or Meeting Minutes or provide alternate direction to Staff.

Discussion

BMC Staff prepared summary Financial Reports and Meeting Minutes from previous BMC Meetings for the BMC's review and approval consideration (see Attachments).

Attachment 1: Cost Summary (January 2024 to Current Date) for Calendar Year 2024 Budget

Item	Description	Budget Amount	Approved Contingency Allocation	Updated Allocated Budget Amount	Costs Incurred	Percent Incurred	Remaining Budget
1	BMC Administration and Facilitation	\$80,000		\$80,000	\$61,765.00	77.2%	\$18,235
2	BMC Website Hosting	\$1,690		\$1,690	\$1,690.00	100.0%	\$0
3	BMC Accounting Services	\$6,300		\$6,300	\$4,557.99	72.3%	\$1,742
4	BMC Legal Counsel	\$20,000		\$20,000	\$1,190.00	6.0%	\$18,810
5	Meeting expenses: Audio and video services	\$2,000		\$2,000	\$800.00	40.0%	\$1,200
6	Technical Support Services	\$15,000		\$15,000	\$5,730.80	38.2%	\$9,269
7	2024 Groundwater Monitoring	\$64,000		\$64,000	\$29,072.60	45.4%	\$34,927
8	2023 Annual Report	\$68,000		\$68,000	\$67,997.50	100.0%	\$3
9	WRFPP Study Peer Review - Year 1	\$15,000		\$15,000	\$0.00	0.0%	\$15,000
10	Groundwater Monitoring Program Improvements	\$70,000		\$70,000	\$0.00	0.0%	\$70,000
	Subtotal	\$341,990		\$341,990	\$172,804		\$169,186
	5% Contingency	\$12,100					
	Total	\$354,090			\$172,804	48.8%	\$181,286
	LOCS (38%)	\$134,554					
	GSWC (38%)	\$134,554					
	County of SLO/SLOCFC&WCD (20%)	\$70,818					
	S&T Mutual (4%)	\$14,164					

Attachment 2: Invoice Register for Los Osos BMC for Calendar Year 2024

Vendor	Invoice No.	Amount	Month of Service	Description	Budget Item	Date Executive Director Approved	Date BMC Chairperson Approved	Date BMC Approved
CHG	20231203	\$2,335.00	Dec-23	Annual Report Preparations	8	Feb-24		
Streamline	9877A921-0001	\$250.00	Dec-23	Website Hosting	2	Feb-24		
Streamline	9877A921-0002	\$1,440.00	Jan-Dec 2024	Website Hosting	2	Feb-24		
CHG	20240106	\$10,490.00	Jan-24	Annual Report Preparations	8	Feb-24		
Deluxe	9003939794	\$357.99	Jan-24	BMC Bank Account Checks	3	Feb-24		
ConfluenceES	1146	\$9,436.25	Jan-24	Executive Director Services	1		Feb-24	
Stilts CPA	2024-01	\$1,225.00	Jan-24	Accounting Services	3	Mar-24		
CHG	20240206	\$22,025.00	Feb-24	Annual Report Preparations	8	Mar-24		
CHG	20240232	\$2,684.00	Feb-24	Groundwater Monitoring	7	Mar-24		
Stilts CPA	2024-02	\$787.50	Feb-24	Accounting Services	3	Mar-24		
ConfluenceES	1148	\$4,440.00	Feb-24	Executive Director Services	1		Mar-24	
CHG	20240306	\$25,500.00	Mar-24	Annual Report Preparations	8	Apr-24		
CHG	20240307	\$3,599.40	Mar-24	Groundwater Monitoring	7	Apr-24		
Stilts CPA	2024-03	\$700.00	Mar-24	Accounting Services	3	Apr-24		
ConfluenceES	1153	\$5,706.25	Mar-24	Executive Director Services	1		Apr-24	
RWG Law	246457	\$385.00	Jan-24	BMC Legal Counsel	4	Apr-24		
RWG Law	246963	\$70.00	Feb-24	BMC Legal Counsel	4	Apr-24		
AGP	9426	\$400.00	Jan/Mar 24	Meeting expenses: Audio and video services	5	Apr-24		
CHG	20240411	\$7,400.00	Apr-24	Annual Report Preparations	8	May-24		
CHG	20240412	\$22,789.20	Apr-24	Groundwater Monitoring	7	May-24		
Stilts CPA	2024-04	\$306.25	Apr-24	Accounting Services	3	May-24		
ConfluenceES	1161	\$8,063.75	Apr-24	Executive Director Services	1		May-24	
AGP	9452	\$200.00	Apr-24	Meeting expenses: Audio and video services	5	Jun-24		
CHG	20240509	\$247.50	May-24	Annual Report Preparations	8	Jun-24		
AGP	9479	\$200.00	May-24	Meeting expenses: Audio and video services	5	Jun-24		
Stilts CPA	2024-05	\$481.25	May-24	Accounting Services	3	Jun-24		
CHG	20240510	\$2,865.80	May-24	Technical Support Services	6			Jun-24
ConfluenceES	1167	\$9,946.25	May-24	Executive Director Services	1		Jun-24	
CHG	20240608	\$2,085.00	Jun-24	Technical Support Services	6	Jul-24		
Stilts CPA	2024-06	\$262.50	Jun-24	Accounting Services	3	Jul-24		
ConfluenceES	1178	\$12,750.00	Jun-24	Executive Director Services	1		Jul-24	
RWG Law	247889	\$735.00	Apr-24	BMC Legal Counsel	4	Aug-24		
Stilts CPA	2024-07	\$218.75	Jul-24	Accounting Services	3	Aug-24		
ConfluenceES	1182	\$5,202.50	Jul-24	Executive Director Services	1		Aug-24	
CHG	20240714	\$780.00	Jul-24	Technical Support Services	6			Sep-24

Los Osos Basin Management Committee
Statement of Revenues and Expenditures
100 - BMC
From 9/1/2024 Through 9/30/2024

	Current Period Actual	Current Year Actual	Total Budget \$ - Original	Total Budget \$ Variance - Original	Percent Total Budget Remaining - Original
Operating Revenue					
Contributions					
4010	0.00	134,459.00	134,459.00	0.00	0.00%
4020	0.00	134,459.00	134,459.00	0.00	0.00%
4030	0.00	70,768.00	70,768.00	0.00	0.00%
4040	0.00	14,154.00	14,154.00	0.00	0.00%
	<u>0.00</u>	<u>353,840.00</u>	<u>353,840.00</u>	<u>0.00</u>	<u>0.00%</u>
	<u>0.00</u>	<u>353,840.00</u>	<u>353,840.00</u>	<u>0.00</u>	<u>0.00%</u>
Total Revenue	<u>0.00</u>	<u>353,840.00</u>	<u>353,840.00</u>	<u>0.00</u>	<u>0.00%</u>
Expenditures					
Program Expenses					
5010	0.00	61,765.00	75,000.00	13,235.00	17.65%
5020	0.00	1,690.00	1,690.00	0.00	0.00%
5030	0.00	3,685.49	6,300.00	2,614.51	41.50%
5040	0.00	1,190.00	20,000.00	18,810.00	94.05%
5050	0.00	800.00	2,000.00	1,200.00	60.00%
5060	0.00	4,950.80	15,000.00	10,049.20	66.99%
5070	0.00	29,072.60	64,000.00	34,927.40	54.57%
5080	0.00	65,662.50	68,000.00	2,337.50	3.44%
5090	0.00	0.00	15,000.00	15,000.00	100.00%
6000	0.00	0.00	70,000.00	70,000.00	100.00%
	<u>0.00</u>	<u>168,816.39</u>	<u>336,990.00</u>	<u>168,173.61</u>	<u>49.90%</u>
	<u>0.00</u>	<u>168,816.39</u>	<u>336,990.00</u>	<u>168,173.61</u>	<u>49.90%</u>
Net Revenue Over Expenditures	<u>0.00</u>	<u>185,023.61</u>	<u>16,850.00</u>	<u>168,173.61</u>	<u>998.06%</u>

Los Osos Basin Management Committee

Balance Sheet
As of 9/30/2024

		Current Period Balance
Assets		
Current Assets		
Cash & Cash Equivalents		
General Checking Account	1012	181,813.61
Total Cash & Cash Equivalents		181,813.61
Total Current Assets		181,813.61
Total Assets		181,813.61
Liabilities		
Short-term Liabilities		
Accounts Payable		
Vendor Payable (Control Account)	2000	0.00
Total Accounts Payable		0.00
Total Short-term Liabilities		0.00
Total Liabilities		0.00
Net Assets		
Current YTD Net Income		
REVENUES		353,840.00
EXPENDITURES		(168,816.39)
EQUITY		
Fund Balance	3200	(3,210.00)
Total EQUITY		(3,210.00)
Total Current YTD Net Income		181,813.61
Total Net Assets		181,813.61
Total Liabilities and Net Assets		181,813.61

Los Osos Basin Management Committee
Reconcile Cash Accounts

Summary

Cash Account: 1012 General Checking Account
Reconciliation ID: Bank Account Reconciliation 09302024
Reconciliation Date: 9/30/2024
Status: Locked

Bank Balance	182,251.11
Less Outstanding Checks/Vouchers	437.50
Plus Deposits in Transit	0.00
Plus or Minus Other Cash Items	0.00
Plus or Minus Suspense Items	<u>0.00</u>
Reconciled Bank Balance	181,813.61
Balance Per Books	<u>181,813.61</u>
Unreconciled Difference	<u><u>0.00</u></u>

Click the Next Page toolbar button to view details.

Los Osos Basin Management Committee
Reconcile Cash Accounts

Detail

Cash Account: 1012 General Checking Account
Reconciliation ID: Bank Account Reconciliation 09302024
Reconciliation Date: 9/30/2024
Status: Locked

Outstanding Checks/Vouchers

<u>Document Number</u>	<u>Document Date</u>	<u>Document Description</u>	<u>Document Amount</u>	<u>Payee</u>
0024	8/29/2024	System Generated Check/Voucher	218.75	Robert Stilts, CPA
0026	9/23/2024	System Generated Check/Voucher	218.75	Robert Stilts, CPA
Outstanding Checks/Vouchers			437.50	

Los Osos Basin Management Committee
Reconcile Cash Accounts

Detail

Cash Account: 1012 General Checking Account
 Reconciliation ID: Bank Account Reconciliation 09302024
 Reconciliation Date: 9/30/2024
 Status: Locked

Cleared Checks/Vouchers

<u>Document Number</u>	<u>Document Date</u>	<u>Document Description</u>	<u>Document Amount</u>	<u>Payee</u>
0021	7/28/2024	System Generated Check/Voucher	262.50	Robert Stilts, CPA
0022	8/29/2024	System Generated Check/Voucher	5,202.50	CONFLUENCE ENGINEERING SOLUTIONS, INC.
0023	8/29/2024	System Generated Check/Voucher	735.00	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION
0025	9/23/2024	System Generated Check/Voucher	6,220.00	CONFLUENCE ENGINEERING SOLUTIONS, INC.
Cleared Checks/Vouchers			12,420.00	
			12,420.00	

Los Osos Basin Management Committee
 Check/Voucher Register - Warrant Register
 1012 - General Checking Account
 From 1/1/2024 Through 12/31/2024

Check Number	Vendor Name	Transaction Description	Document Date	Check Amount
0001	CONFLUENCE ENGINEERING SOLUTIONS, INC.	1/1/24-1/31/24 Executive Director Services	3/4/2024	9,436.25
0002	CLEATH-HARRIS GEOLOGISTS, INC.	1/1/24-1/31/24 2023 Annual Report	3/4/2024	10,490.00
	CLEATH-HARRIS GEOLOGISTS, INC.	12/1/23-12/31/23 2023 Annual Report	3/4/2024	2,335.00
0003	Robert Stilts, CPA	12/1/23-1/31/24 Accounting services	3/4/2024	1,225.00
0004	CONFLUENCE ENGINEERING SOLUTIONS, INC.	02/01/24-02/29/24 Executive Director Services	3/18/2024	4,440.00
0005	CLEATH-HARRIS GEOLOGISTS, INC.	02/01/24-02/29/24 2023 Annual Report	3/18/2024	22,025.00
	CLEATH-HARRIS GEOLOGISTS, INC.	02/01/24-02/29/24 2024 Groundwater Monitoring WECK Lab	3/18/2024	2,684.00
0006	Robert Stilts, CPA	02/01/24-02/29/24 Accounting Services	3/18/2024	787.50
0007	AGP VIDEO, INC	1/17/24, 3/20/24 Teleconference Processing, upload	4/17/2024	400.00
0008	CONFLUENCE ENGINEERING SOLUTIONS, INC.	3/1/24-3/31/24 Executive Director Services	4/17/2024	5,706.25
0009	CLEATH-HARRIS GEOLOGISTS, INC.	3/1/24-3/31/24 2023 Annual Report	4/17/2024	25,500.00
	CLEATH-HARRIS GEOLOGISTS, INC.	3/1/24-3/31/24 2024 Groundwater Monitoring	4/17/2024	3,599.40
0010	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	1/1/24-1/31/24 General Legal Counsel	4/17/2024	385.00
	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	2/1/24-2/29/24 General Legal Counsel	4/17/2024	70.00
0011	Robert Stilts, CPA	3/1/24-3/31/24 Accounting Services	4/17/2024	700.00
0012	CONFLUENCE ENGINEERING SOLUTIONS, INC.	4/1/24-4/30/24 Executive Director Services	5/22/2024	8,063.75
0013	CLEATH-HARRIS GEOLOGISTS, INC.	4/1/24-4/30/24 2023 Annual Report	5/22/2024	7,400.00
	CLEATH-HARRIS GEOLOGISTS, INC.	4/1/24-4/30/24 2024 Groundwater Monitoring	5/22/2024	22,789.20
0014	Robert Stilts, CPA	4/1/24-4/30/24 Accounting Services	5/22/2024	306.25
0015	AGP VIDEO, INC	4/17/24 Teleconference Processing, upload	6/12/2024	200.00
	AGP VIDEO, INC	5/15/24 Teleconference Processing, upload	6/12/2024	200.00
0016	CONFLUENCE ENGINEERING SOLUTIONS, INC.	5/1/24-5/31/24 Executive Director Services	6/12/2024	9,946.25
0017	CLEATH-HARRIS GEOLOGISTS, INC.	5/1/24-5/31/24 2023 Annual Report	6/12/2024	247.50
	CLEATH-HARRIS GEOLOGISTS, INC.	5/1/24-5/31/24 2024 Technical Support Services	6/12/2024	2,865.80
0018	Robert Stilts, CPA	5/1/24-5/31/24 Accounting Services	6/12/2024	481.25

Los Osos Basin Management Committee
 Check/Voucher Register - Warrant Register
 1012 - General Checking Account
 From 1/1/2024 Through 12/31/2024

Check Number	Vendor Name	Transaction Description	Document Date	Check Amount
0019	CONFLUENCE ENGINEERING SOLUTIONS, INC.	6/1/24-6/30/24 Executive Director Services	7/28/2024	12,750.00
0020	CLEATH-HARRIS GEOLOGISTS, INC.	6/1/24-6/30/24 2024 Technical Support Services	7/28/2024	2,085.00
0021	Robert Stilts, CPA	6/1/24-6/30/24 Accounting Services	7/28/2024	262.50
0022	CONFLUENCE ENGINEERING SOLUTIONS, INC.	7/1/24-7/31/24 Executive Director Services	8/29/2024	5,202.50
0023	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	4/1/24-4/30/24 General Legal Counsel	8/29/2024	735.00
0024	Robert Stilts, CPA	7/1/24-7/31/24 Accounting Services	8/29/2024	218.75
0025	CONFLUENCE ENGINEERING SOLUTIONS, INC.	8/1/24-8/31/24 Executive Director Services	9/23/2024	6,220.00
0026	Robert Stilts, CPA	8/1/24-8/31/24 Accounting Services	9/23/2024	218.75
ACH_Delux2.21.24	DELUXE	2/17/24 Deluxe Checks and Envelopes	2/21/2024	357.99
ACH_Strmlne2.16.24	STREAMLINE SOFTWARE, INC.	2/16/24 Streamline Website Hosting & Migration Fee	2/16/2024	1,690.00
Report Total				172,023.89

BASIN MANAGEMENT COMMITTEE BOARD OF DIRECTORS

Agenda Item 6b: Minutes of the Special Meeting of September 25, 2024

The following is a summary of the actions taken at the Basin Management Committee Board of Directors Meeting.
The official record for the meeting is the recording that can be found at:

<https://www.losososbmc.org/>

Agenda Item	Discussion or Action
1. Call to Order	Chair Zimmer called the meeting to order at approximately 1:04 PM (00:00:01).
2. Roll Call	Daniel Heimel, Executive Director, called roll to begin the meeting. Director Gibson, Director Zimmer, and Director Reinke were present (00:00:25). Director Cesena was absent for roll call but was present from 00:12:30 and after.
3. Pledge of Allegiance	(00:00:45)
4. Board Member Comments	<u>Board Discussion</u> (00:01:15) None <u>Public Comment</u> None
5. Special Presentation	
5a. Presentation by County Planning: Follow-Up on Los Osos Growth Rate Implementation Approach	Presentation by County Planning: Follow-Up on Los Osos Growth Rate Implementation Approach (00:02:10) Presenters: Claire Momberger and Cory Hanh <u>Board Discussion</u> (00:16:45) <u>Public Comment</u> David Sheen (00:27:15) Lindee Owen (00:28:10) Becky McFarland (00:30:50) Patrick McGibney (00:34:00) Jeff Edwards (00:36:30) Katherine Corson (00:39:10) <u>Board Discussion</u> (00:39:50)
6. Consent Agenda	Approval of Minutes from August 21st, Regular BMC Meeting (01:29:25)
6a. 2024 Financial Reports	<u>Public Comment</u> None
6a. Approval of Minutes from August 21st, Regular BMC Meeting	<u>Board Discussion</u> None <u>Board Action on Consent Agenda</u> (01:32:10)

	<p>Approval of Minutes from August 21st, 2024 Regular BMC Meeting and to increase the Executive Director’s authorization to spend up to \$10,000 in Technical Support Services.</p> <p>Motion: Director Zimmer Second: Director Cesena Ayes: All Nays: None Passes: 4-0</p>
<p>7. Public Comments on Items Not Appearing on the Agenda</p>	<p>Public Comment Becky McFarland (01:33:00) Patrick McGibney (01:36:15) Richard Margetson (01:39:30) Emily Miggins (01:42:00)</p> <p>Board Discussion (01:45:30)</p>
<p>8. Executive Director’s Report</p>	<p>Executive Director’s Report (01:46:00)</p> <p>Board Discussion (01:50:00)</p> <p>Public Comment Becky McFarland (01:50:45) Patrick McGibney (01:51:15) Jeff Edwards (01:53:30)</p> <p>Board Discussion (01:56:45)</p>
<p>9. Action Items</p>	
	<p>None (02:05:50)</p>
<p>10. Adjournment</p>	<p>Meeting adjourned at approximately 3:12 PM (02:07:29). The next regularly scheduled meeting is October 16th, 2024.</p>

TO: Los Osos Basin Management Committee

FROM: Dan Heibel, Executive Director

DATE: October 16th, 2024

SUBJECT: Item 8 – Executive Director’s Report

Recommendations

Staff recommends that the Basin Management Committee (BMC) receive and file the report and provide staff with any direction for future discussions. Sections of the Executive Director’s Report that have been updated or significantly changed from the previous meeting’s version are underlined and sections of the report that have not had any recent or anticipated updates have been removed.

Discussion

This report was prepared to summarize administrative matters not covered in other agenda items and to provide a general update on staff activities.

Presentations

None

Funding and Financing Programs to Support Basin Plan Implementation

WRFP Grant: On February 11th, 2022 the Los Osos Community Services District (Los Osos CSD) submitted an application for a WRFP grant to develop a transient model and analyze recycled water and supplemental water projects to improve the sustainability of the Los Osos Basin (WRFP Study). Los Osos CSD was notified of the award of the grant in January 2023 and all the required documents were signed and fully executed. On May 17th, 2023 the BMC approved Cleath-Harris Geologist (CHG) to complete the WRFP Study and the WRFP Study is underway. The schedule for completion of the WRFP Study was recently extended to allow for additional time to develop and calibrate the Transient Model. Under the current schedule, the calibrated Transient Model is anticipated to be available in Fall 2024 and the draft WRFP Study available in Winter 2025.

BMC Staff will continue to monitor potential additional grant funding opportunities and bring information on these opportunities to the BMC for consideration as they become available.

Status of BMC Initiatives

Central Coast Community-Based Water Quality Grants Program Grant: The Central Coast Community-Based Water Quality Grants Program is offered by the Rose Foundation, in collaboration with the Central Coast Water Board and the Bay Foundation of Morro Bay. This program is dedicated to funding

water quality improvement projects within the jurisdiction of the Central Coast Regional Water Quality Control Board.

On June 12th, 2024, the BMC authorized the preparation of an application for the Central Coast Community-Based Water Quality Grant Program to request \$150k for the construction of a new, lower aquifer monitoring well. The grant application was submitted on July 12th, 2024 and on September 19th, 2024 BMC Staff received an email indicating that the BMC's application is being recommended to the Rose Foundation's Board of Directors for funding. On September 24th, 2024 the Rose Foundation notified the BMC Executive Director of the grant award selection and sent an agreement for the BMC to execute. The BMC must execute the agreement within 60 days of receiving the agreement in order to receive the funds. To fulfill the requirements of the Rose Foundation Grant the BMC would provide the required 25% (\$50,000) match funding from the Monitoring Network Improvements budget item in the 2025 Calendar Year Budget.

BMC Website: On January 10th, 2024, the BMC launched its new website hosted at: www.losososbmc.org. This will be the new platform for obtaining information regarding BMC Meetings, Annual Reporting and other initiatives. The interested parties email distribution list from the previous BMC website, hosted by the County of San Luis Obispo, has been transferred to the new website and will continue to be utilized to notify subscribers when information related to BMC Meetings and other initiatives is available. BMC and County Staff to coordinate on decommissioning the County's previously hosted BMC Website and to direct all traffic to the new BMC Website. The BMC transitioned from SLOSPAN to YouTube for hosting meeting recordings.

DWR AEM Survey: On December 2022, BMC Staff were notified that the Los Osos Basin would be included in the Department of Water Resources (DWR) upcoming Statewide Airborne Electromagnetic (AEM) Survey in Spring 2023. To assist DWR in preparing flight lines for the AEM Survey, BMC Staff provided DWR with lithologic information for the Los Osos Basin and prepared an Area of Interest Map. The data collected during the AEM survey will improve DWR and the BMC's understanding of Los Osos Basin hydrogeology and seawater intrusion. The AEM Survey for the San Luis Obispo and Santa Barbara County basins was initiated on April 26th, 2023, however, due to weather conditions and the need to support emergency flood response efforts elsewhere in the State, DWR was not able to complete the survey of the Los Osos Basin. DWR returned to complete the survey in November 2023 and anticipates that the survey results will be available in Q3 2024. Additional information on DWR's Statewide AEM Survey Project can be found here:

<https://water.ca.gov/Programs/Groundwater-Management/Data-and-Tools/AEM>

Sustainable Yield: At its October 27th, 2021 Meeting, the BMC unanimously approved an updated Sustainable Yield estimate of 2,380 Acre-Feet per Year (AFY) for Calendar Year 2022 and at its December 6th, 2023 Meeting, the BMC unanimously approved retaining the current Sustainable Yield estimate of 2,380 AFY for CY 2024 for the following reasons: 1) No new infrastructure, not already considered in the 2022 Sustainable Yield Estimate, has been constructed; 2) estimates for the development of the Broderon Mound and long-term average rainfall were updated and incorporated into the CY 2022

Sustainable Yield Estimate and are not anticipated to change significantly on a year-over-year basis; 3) no significant hydrogeologic investigations have been conducted that would warrant an update to the steady-state groundwater model utilized to develop the Sustainable Yield Estimate.

Los Osos Basin Well Database: Cleath-Harris Geologists (CHG) completed the development of the Los Osos Basin Well Database and it is being utilized to support the development of the Transient Groundwater Model.

Basin Monitoring Program Improvement: In December 2023, construction of the Skyline Monitoring Wells was completed at the east end of Skyline Drive. The construction of these wells will allow the BMC to more accurately monitor seawater intrusion and groundwater conditions in Zones D & E of the Lower Aquifer at this critical location for the basin. In 2024, the BMC is working on modifying two existing wells (LA 14 and 16) to become dedicated Zone E monitoring Wells. The BMC is partnering with the National Estuary Program to gain access to available grant funding to fund a portion of these well modifications. To complete the modifications the BMC will be released a solicitation for design and construction oversight hydrogeologic support services and for drilling services to complete the modifications. The solicitation was released on July 25th, 2024 and received one proposal. At its August 21st, 2024 Meeting the BMC approved Cleath-Harris Geologists (CHG) to provide design and construction oversight hydrogeologic support services. On October 4th, 2024 the Los Osos CSD released the bid package for the drilling services and bids are due November 1st, 2024.

Basin Metric Evaluation: Analysis of potential modifications to the Basin Metric's is currently on hold. Proposed modifications to the metrics were provided to BMC Party Staff for review. However, BMC Party Staff requested that potential improvements to the existing BMC Monitoring Program (i.e. modifications to an existing wells or a new monitoring well) be evaluated prior to modifying the Basin Metrics. The BMC recently completed construction of two new monitoring wells at the eastern end of Skyline Drive. These new wells could be considered for incorporation into the updated Basin Metrics. BMC Staff will develop recommendations on potential modifications to the Basin Metrics and bring them to the BMC for their consideration at a future date.

Transient Groundwater Model: See update under WRFPP Grant above.

Lower Aquifer Nitrate Investigation: On October 19th, 2022 the BMC authorized Calendar Year (CY) 2022 funding to perform additional Nitrate Source Investigation to better understand the source of Nitrate impacting lower aquifer production wells. However, due to the inability to obtain well owner permission to sample the desired wells, much of that work was not completed in 2022. Subsequently, the Regional Water Quality Control Board (RWQCB) staff reviewed the investigation information and findings available to date and provided a presentation to the BMC at its March 15th, 2023 Meeting. BMC Party Staff is working with RWQCB Staff to identify potential additional investigations to help better inform the sources of the nitrate in the LA8 Well. On March 8th, 2024 and April 29th, 2024 BMC Staff received updates from RWQCB Staff on the status of their investigation into the source of nitrate impacting water supply wells in the western Los Osos Valley Groundwater Basin.

BMC Initiatives Status Update: In 2020, the BMC completed an Implementation Plan evaluation exercise to identify and prioritize the use of the BMC’s limited available staffing and funding resources. The outcome of this exercise was a prioritized list of Planning and Implementation initiatives that the BMC utilized to develop its workplan for 2021, 2022, 2023 and beyond. In 2024, the BMC intends to revisit the Implementation Plan and develop an updated, prioritize list of potential projects/initiatives to help inform the BMC’s work plan for 2025 and beyond.

Land Use Planning Process Update

Guide to Planning Information for Development in Los Osos:

This website provides relevant planning information for the Los Osos Community Plan update and relevant milestones: <https://www.slocounty.ca.gov/departments/planning-building/grid-items/community-engagement/active-planning-projects/los-osos-community-plan-update>.

Los Osos Town Hall:

On Saturday, October 5th, 2024, the County Department of Planning & Building facilitated a Town Hall Meeting at Los Osos Middle School to discuss topics like the Los Osos Community Plan, the Los Osos Habitat Conservation Plan, the Growth Management Ordinance, and the Los Osos sewer. Representatives from the Los Osos Basin Management Committee and the Los Osos Community Advisory Council were also present and the community was able to learn about each of their roles in the community. Over 150 people were in attendance to ask County staff their most pressing questions and to learn more about their community. For information that was shared at the Town Hall, please check this webpage: <https://www.slocounty.ca.gov/departments/planning-building/grid-items/community-engagement/active-planning-projects/los-osos-community-plan-update>.

Los Osos Community Plan:

On October 29th, the County Board of Supervisors will hold a hearing to consider acceptance of California Coastal Commission’s suggested modifications, amendment to Los Osos Community Plan, establishment of Los Osos growth rate and protocols for implementation of the “Los Osos Waitlist to Build”. On October 8, 2024, the County Board of Supervisors passed a motion to separate the Los Osos Habitat Conservation Plan implementation item from the other October 29, 2024 hearing items (i.e., considering California Coastal Commission's suggested modifications, amendments to the Los Osos Community Plan, establishment of a Los Osos growth rate and protocols for implementation of the "Los Osos Waitlist to Build") and to discuss at a future date."

Please visit this webpage for information and updates:

<https://www.slocounty.ca.gov/departments/planning-building/grid-items/community-engagement/active-planning-projects/los-osos-community-plan-update>.

Los Osos Habitat Conservation Plan (HCP):

On February 15th, 2024, the U.S. Fish and Wildlife Service (USFWS) approved the Los Osos HCP and issued an incidental take permit (ITP) to the County of San Luis Obispo, authorizing take of Morro shoulderband snail that would result from covered activities in the Community of Los Osos in San Luis Obispo County. The ITP has been issued for a 25-year term.

Please visit the County’s Los Osos Habitat Conservation Plan webpage here for further information and updates: [https://www.slocounty.ca.gov/departments/planning-building/grid-items/community-engagement/active-planning-projects/los-osos-habitat-conservation-plan-\(hcp\)](https://www.slocounty.ca.gov/departments/planning-building/grid-items/community-engagement/active-planning-projects/los-osos-habitat-conservation-plan-(hcp)).

Los Osos Water Recycling Facility Project Update

The following table summarizes flows from the LOWRF based on the available data.

2024 LOWRF Wastewater and Recycled Water Flows (Acre Feet)

Year	Month	Influent	Broderson	Bayridge	Sea Pines	Ag Users	Effluent
2024	Jan	57.71	44.63	1.18	2.23	0.00	48.05
2024	Feb	56.06	45.34	1.06	0.92	0.00	47.37
2024	Mar	64.89	32.69	1.12	3.95	0.03	48.51
2024	Apr	66.64	38.32	1.08	6.89	0.04	46.33
2024	May	57.00	28.68	1.23	12.07	0.35	42.34
2024	Jun	54.73	36.11	1.22	6.24	0.43	44.00
2024	Jul	63.09	34.12	1.33	7.91	0.38	45.25
2024	Aug	66.66	43.48	1.34	9.48	0.54	44.50
2024	Sept	57.91	36.90	1.31	7.16	0.49	45.86
2024	Oct						
2024	Nov						
2024	Dec						
Total							

LOWRF Project Updates:

- The County has projects for connecting the Los Osos Community Park, Los Osos Middle School, and Monarch Grove Elementary. The connections for the community park and middle school are anticipated to occur late 2024 and Summer 2025. The County has received funding through the ARPA grant program.
- The County has awarded the project, and the contractor is procuring materials for the effluent pump station VFD installation. VFDs will allow the pumps to ramp up and down based on the need in the recycled water distribution system and the plant return water supply. Currently the pumps only have the capability to run at one speed and that leads to increased wear and tear on the motor and impellers. The VFDs will be set to specific pressure setpoints that will be determined using the recycled water distribution model. The expected outcome from installing the VFDs is decreased energy consumption and recirculated water within the system.

Enforcement: A list of properties that were not connected were transferred to County Code Enforcement and Notice of Violations were issued last year in Feb. 2019. That list was about 70 properties. As of 5/12/2021, the sewer service area has a 99.4% connection status with a total of 36 properties not yet connected. Of those, one is not required to connect because there is no structure (demolished), 18 have expired building permits, and the rest have an open Code Enforcement case.

The County has assigned staff in code enforcement to Los Osos. Expired permits did not receive a Code Enforcement case because those properties have their own noticing process through the Building Department which, if not corrected, could result in a Notice of Violation.

Sustainable Groundwater Management Act (SGMA)

SGMA Overview: SGMA took effect on January 1, 2015.¹ SGMA provides new authorities to local agencies with water supply, water management or land use responsibilities and requires various actions be taken in order to achieve sustainable groundwater management in high and medium priority groundwater basins. Los Osos Valley Groundwater Basin (Los Osos Basin) was subject to SGMA based on the 2014 Basin Prioritization by the California Department of Water Resources (DWR) that listed the Los Osos Basin as high priority and in critical conditions of overdraft.²

Basin Prioritization: On December 18, 2019, DWR released the SGMA 2019 Basin Prioritizations. Basins or subbasins reassess to low or very low priority basins or subbasins are not subject to SGMA regulations.

¹ On September 16, 2014, Governor Jerry Brown signed into law a three-bill legislative package, composed of [AB 1739 \(Dickinson\)](#), [SB 1168 \(Pavley\)](#), and [SB 1319 \(Pavley\)](#), collectively known as SGMA

² SGMA mandates that all groundwater basins identified by DWR as high- or medium-priority by January 31, 2015, must have groundwater sustainability agencies established by June 30, 2017. The act also requires that all high- and medium-priority basins classified as being subject to critical conditions of overdraft in Bulletin 118, as of January 1, 2017, be covered by groundwater sustainability plans, or their equivalent, by January 31, 2020. Groundwater sustainability plans, or their equivalent, must be established for all other high- and medium-priority basins by January 31, 2022.

A summary of DWR's Final SGMA Prioritizations for the Los Osos Area Subbasin and Warden Creek Subbasin are listed below:

- Los Osos Area Subbasin is listed as **very low** priority for SGMA³ and in critical conditions of overdraft⁴
- SGMA does not apply to the portions of Los Osos Basin that are adjudicated provided that certain requirements are met (Water Code §10720.8).
- Warden Creek Subbasin is listed as **very low** priority for SGMA³

For more information on DWR's basin boundary modification and prioritization process, please visit: <https://water.ca.gov/Programs/Groundwater-Management/Basin-Prioritization>

Additional Attachments:

1. Updated Status of Basin Plan Programs

³ As noted by DWR, the priority for the subbasin has been set to very low (0 total priority points) as a result of conditions being met under sub-component C of the Draft SGMA 2019 Basin Prioritizations.

⁴ Critical conditions of overdraft have been identified in 21 groundwater basins as described in Bulletin 118 (Water Code Section 12924). Bulletin 118 (updates 2003) defines a groundwater basin subject to condition of critical overdraft as: "A basin is subject to critical conditions of overdraft when continuation of present water management practices would probably result in significant adverse overdraft-related environmental, social, or economic impacts."

Update on Status of Basin Plan Infrastructure Projects

Program Name	Project Name	Parties Involved	BMC Budgeted Amount	Funding Status	Anticipated Planning/Pre-Construction Cost	Anticipated Capital Cost	Status/Notes
Program A – Shift groundwater production from Lower Aquifer to Upper Aquifer	Water Systems Interconnection	LOCS D/ GSWC	NA	NA	NA	NA	Completed
	Upper Aquifer Well (8 th Street)	LOCS D	NA	Fully Funded	NA	\$307,000	Completed
	South Bay Well Nitrate Removal	LOCS D	NA	NA	NA	NA	Completed
	Palisades Well Modifications	LOCS D	NA	NA	NA	NA	Completed
	Blending Project (Skyline Well)	GSWC	NA	NA	NA	NA	Completed
	Water Meters	S&T	NA	NA	NA	NA	Completed
Program B - Shift groundwater production from Lower Aquifer to Upper Aquifer	LOCS D Wells (Upper Aquifer)	LOCS D		Not Funded	TBD	BMP: \$2.7 mil	Project not initiated
	GSWC Wells (Upper Aquifer)	GSWC		Not Funded	TBD	BMP: \$3.2 mil	Project not initiated
	Community Nitrate Removal Facility	LOCS D/GSWC/S&T	TBD	Partial, GSWC portion funded	TBD	GSWC: \$1.23 mil	GSWC’s Program A Blending Project might be capable of expanding to be the first phase of the Program B Community Nitrate Removal Facility.
Program C - Shift production within the Lower Aquifer from the Western Area to the Central Area of the Basin	Expansion Well No. 1 (Los Olivos)	GSWC	NA	NA	NA	NA	Completed
	Expansion Well No. 2 (Lower Aquifer)	LOCS D		LOCS D	TBD	BMP: \$2.5 mil	<u>The well construction is complete and the water transmission main construction activities are currently underway. Completion of all phases of the project is estimated to occur in Quarter 1 2025.</u>
	Expansion Well 3 (Lower Aquifer) and LOVR Water Main Upgrade	GSWC/LOCS D		Cooperative Funding	TBD	BMP: \$1.6 mil	
	LOVR Water Main Upgrade	GSWC		May be deferred	TBD	BMP: \$1.53 mil	Project may not be required, depending on the pumping capacity of the drilled Program C wells. It may be deferred to Program D.
	S&T/GSWC Interconnection	S&T/ GSWC		Pending	TBD	BMP: \$30,000	Currently on hold pending further evaluation of the project.
Program D - Shift production within the Lower Aquifer from the Western Area to the Eastern Area of the Basin							Currently being considered for deferment through Adaptive Management. BMC to review on an annual or semi-annual basis.
Program M – Groundwater Monitoring Plan	New Zone D/E lower aquifer monitoring well in Cuesta by the Sea	All Parties	NA	NA	NA	NA	Completed

Program Name	Project Name	Parties Involved	BMC Budgeted Amount	Funding Status	Anticipated Planning/Pre-Construction Cost	Anticipated Capital Cost	Status/Notes
Program U - Urban Water Reinvestment Program	Creek Discharge Program	All Parties				TBD	These activities are currently on hold.
	8 th and El Moro Urban Storm Water Recovery Project	All Parties				TBD	These activities are currently on hold.

TO: Los Osos Basin Management Committee

FROM: Dan Heibel, Executive Director

DATE: October 16, 2024

SUBJECT: Item 9a – LA14 and LA16 Groundwater Monitoring Wells Rehabilitation Contract Award Authorization

Recommendations

Approve the Executive Director and Los Osos Community Service District to award the contract for the LA14 and LA16 Groundwater Monitoring Wells Rehabilitation if the lowest responsive bid is within the approved BMC budget; or provide alternate direction to staff.

Discussion

In the Calendar Year 2024 Budget, the Basin Management Committee (BMC) approved \$70,000 in funding for groundwater monitoring program improvements. Additionally, in 2024, the Los Osos Community Services District (LOCSD) entered into a cost share agreement with the National Estuary Program (NEP) to access \$75,000 in grant funding for the construction of the well modifications.

The recommended monitoring program improvements for 2024 include well modifications for two abandoned production wells to become dedicated lower Aquifer (Zone E) monitoring wells for the Los Osos Groundwater Basin. The two wells are located in County Right-Of-Way at two locations: the north end of Palisades Ave and the northeast corner of Los Osos Valley Road and Broderson Ave. The proposed modifications include cleaning and inspecting the wells, and placing a small diameter (2.5-inch Schedule 80 PVC) casing liner into the existing well, screened opposite to permeable sediments in Zone E.

To procure Hydrogeologic and Construction Monitoring consulting services for the modifications to Wells LA 14 and LA 16, BMC Staff released an RFP on July 25th, 2024 and received one proposal. The BMC Party Staff Representatives reviewed the proposal and recommended that the BMC select Cleath-Harris Geologist (CHG) to provide Hydrogeologic and Construction Monitoring consulting services for the modifications to Wells LA 14 and LA 16. The BMC approved this recommendation at the August 21st, 2024 BMC meeting.

On October 4th, 2024, at the BMC's request the Los Osos Community Services District (LOCSD) released a Notice Inviting Bids to Rehabilitate Groundwater Monitoring Wells LA14 and LA16, and a Rehabilitate Groundwater Monitoring Wells LA14 and LA16 Project Manual, which are both available on the LOCSD

website: <https://www.losososcsd.org/los-osos-community-services-district-rehabilitate-groundwater-monitoring-wells-la14-and-la-16-project-notice-inviting-bids>.

The cost for the Hydrogeologic and Construction Monitoring services and the updated estimated cost for the complete project is shown in the table below:

Task	Estimated Cost
Construction	\$100,000
Hydrogeological Design	\$25,000
Administrative Support	\$10,000
Total	\$135,000

The total approved budget for the project includes \$70,000 from the BMC and \$75,000 from the NEP for a total approved budget of \$145,000. BMC Staff recommends that the BMC approve the Executive Director to coordinate with the Los Osos Community Services District General Manager to award the contract for the LA14 and LA16 Groundwater Monitoring Wells Rehabilitation if the lowest responsible bid is within the approved BMC budget; or provide alternate direction to staff.

TO: Los Osos Basin Management Committee

FROM: Dan Heimerl, Executive Director

DATE: October 16th, 2024

SUBJECT: Item 9b – Rose Foundation Central Coast Community-Based Water Quality Grant for the Sweet Springs Monitoring Well

Recommendation

Authorize the Executive Director to execute the contract between the Rose Foundation and the BMC to receive \$150,000 in grant funding for the Sweet Springs Monitoring Well; or provide alternate direction to staff.

Background

The Central Coast Community-Based Water Quality Grants Program is offered by the Rose Foundation, in collaboration with the Central Coast Water Board and the Bay Foundation of Morro Bay. This program is dedicated to funding water quality improvement projects within the jurisdiction of the Central Coast Regional Water Quality Control Board. This 2024 grant is made possible through a settlement from the Pacific Gas and Electric Company, addressing alleged permit violations at the Diablo Canyon Nuclear Power Plant.

On September 24th, 2024 the BMC was notified it was selected for award of \$150,000 in grant funding for construction of a new lower aquifer monitoring well in the proximity of Sweet Springs Nature Preserve (Sweet Springs Monitoring Well). With the award notification, the Rose Foundation sent an agreement for the BMC Executive Director for review and execution. The Rose Foundation indicated with the transmission of the grant agreement, which is included as Attachment A, that the agreement could be cancelled if not signed and returned within 60 days of receipt. BMC legal counsel reviewed the draft agreement and did not have any concerns.

Discussion

The BMC has made significant progress towards improving its groundwater monitoring program over the last several years by completing projects identified in the Cleath-Harris Geologist (CHG) Technical Memorandum for improving the BMC's groundwater monitoring program, included as Attachment B to this Staff Report. In discussions with BMC Party and CHG Staff, it was determined that construction of a new lower aquifer monitoring well near the intersection of Ramona Ave and 5th Street or Pismo Ave and 5th Street (see Figure 1), could help fill a gap in the BMC's monitoring network between the Pasadena Well (LA11) and the Cuesta-by-Sea/Lupine Wells (LA40/41) (see Figure 2). With the observation of increasing chloride concentrations in LA11, a new Sweet Springs Monitoring Well would help the BMC better detect seawater intrusion potentially occurring in that portion of the Basin.

The monitoring well, named the Sweet Springs Monitoring Well, has two initial potential locations: the intersection of Ramona Ave and 5th St or Pismo Ave and 5th St. A new well at either of the proposed locations would help the BMC better detect seawater intrusion potentially occurring in that portion of the Basin. Both locations would provide the necessary monitoring data, but Pismo Ave is the preferred location for construction and long-term access.

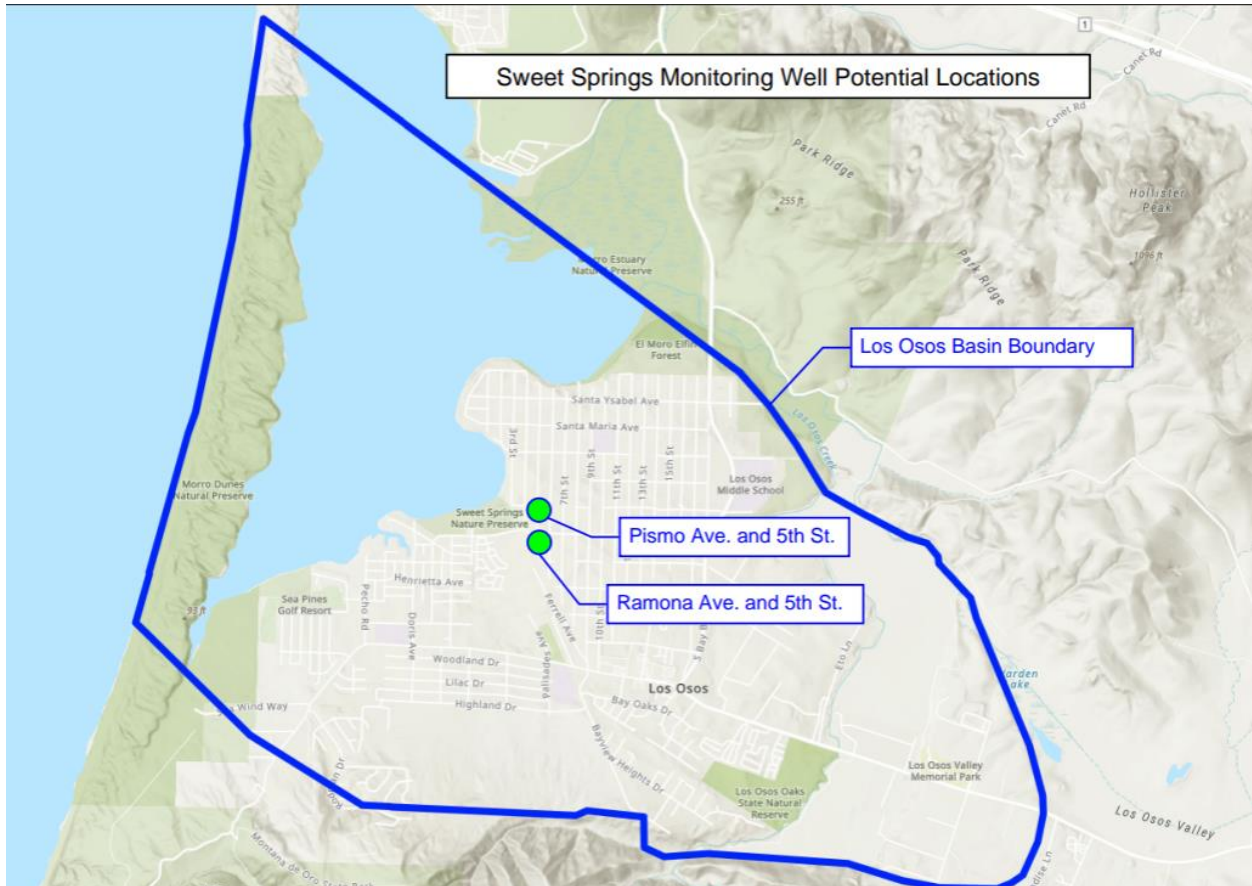


Figure 1: Sweet Springs Monitoring Well Potential Locations

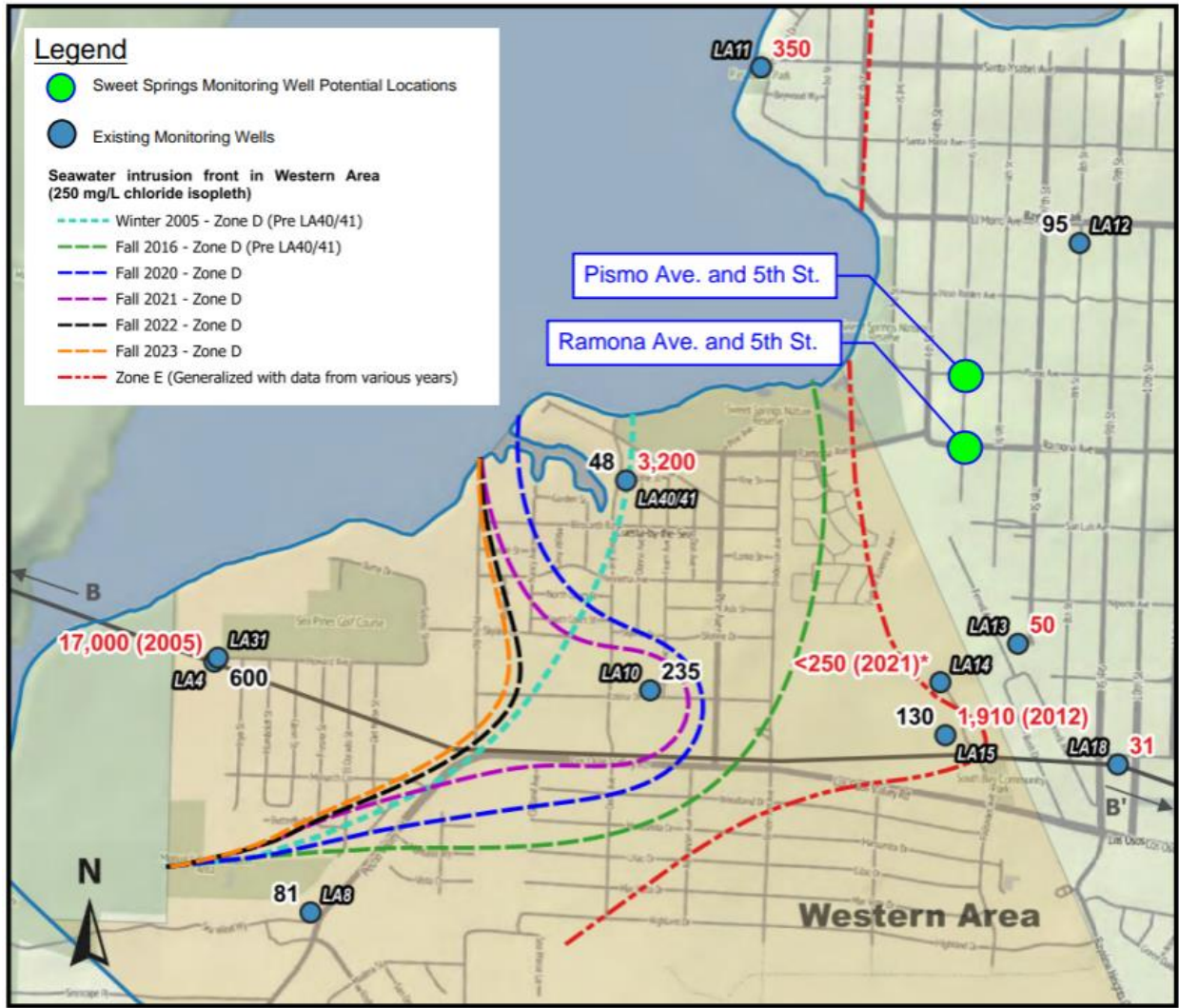


Figure 2: Sweet Springs Monitoring Well Potential Locations within the Monitoring Network

To fulfill the requirements of the Rose Foundation Grant the BMC would provide the required 25% (\$50,000) match funding from the Monitoring Network Improvements budget item in the 2025 Calendar Year Budget. It is recommended that the BMC authorize the Executive Director to execute the contract between the Rose Foundation and the BMC to receive \$150,000 in grant funding for the Sweet Springs Monitoring Well to improve its groundwater monitoring program.

Attachments

Attachment A: Draft Agreement between the Rose Foundation and the BMC for the Sweet Springs Monitoring Well

Attachment B: Groundwater Monitoring Improvement Program Recommendations TM (CHG 2022)



201 4TH STREET, SUITE 102
OAKLAND, CALIFORNIA 94607
TELEPHONE 510.658.0702

09/23/2024

Grant Contract

Central Coast Community-Based Water Quality Grants Program 2024

Dan Heibel, Executive Director
Los Osos Basin Management Committee
2122 9th St., Suite 106
Los Osos, CA 93402

Dear Dan,

I'm happy to inform you that the Rose Foundation's Board of Directors has approved a grant of \$150,000.00 to Los Osos Basin Management Committee for *Los Osos Basin Lower Aquifer Water Quality Monitoring Well (Sweet Springs Monitoring Well)*.

This letter will serve as the grant contract and will specify language that you need to use in public communications related to the grant. There are specific acknowledgment and signage requirements associated with this grant. Please see the Additional Conditions & Restrictions section for these requirements. To acknowledge receipt of this grant and accept it, please read, initial, sign (last page), and return this grant contract at your earliest convenience. Please keep a copy of the grant contract for your permanent records.

Once we have received a signed copy of this grant contract, we will initiate a grant payment either by ACH transfer or via check. We reserve the right to cancel this grant if a signed copy of the grant contract is not received by the Rose Foundation within 60 days of the date of this letter. We encourage all grantees to provide their banking info and receive grant payments via ACH to reduce delays between signing this contract and receiving funds. Fiscally sponsored projects must provide their fiscal sponsor's banking information.

I consent to receive my organization's (or my fiscal sponsor's) grant payment by ACH transfer using a new bank account. [I will provide organizational banking information via the secure DocuSign form at this link.](#) I understand that I must attach a voided check or bank letter to set up this electronic transfer.

I wish to receive my organization's grant payment via check. Checks are sent via regular mail with no tracking information and can take 4-8 weeks to arrive. The mailing address above is where the grant check should be sent.

I wish to receive my organization's grant payment via check. Checks are sent via regular mail with no tracking information and can take 4-8 weeks to arrive. The check should not be sent to the mailing address above but to this alternative mailing address instead:





Contact Name

Address

City, State, & Zip Code

Grant Requirements

The undersigned certifies that all activities conducted with these grant funds shall qualify as exempt activities under Section 501(c)(3) of the Internal Revenue Code, and agrees:

- Funds will only be expended in accordance with the provisions stated in the application.
- To repay any portion of the amount granted which is not used for the furtherance of the project(s) referenced above. If the Foundation determines that grantee is not capable of satisfactorily completing the work of the grant, or that grantee has breached the terms of this grant contract the Foundation may, at its discretion, demand repayment of grant funds, withhold payment of future grant funds and/or declare the grant terminated.
- To notify the Foundation immediately of any change in its tax or legal status, including but not limited to federal or state tax exemption; or any change to the executive staff, or to staff responsible for achieving the grant purposes.
- Not to expend any of these funds for any purpose other than religious, charitable, scientific or educational within the meaning of Internal Revenue Code Section 170(c)(2)(B).
- Not to expend any of these funds on lobbying activities prohibited by IRS Section 501(c)(3), nor for electioneering activities such as endorsing, campaigning, or otherwise supporting elected officials or candidates for public office.
- To make its books available to the Foundation upon reasonable advance notice during the grant period and for one year following the termination of the grant.
- If in the sole judgment of the Foundation any contingencies required under this grant are not fulfilled within the grant period, the grant shall expire.

Additional Conditions & Restrictions:

Since this project is undertaken and funded through Central Coast Regional Water Quality Control Board settlement and in accordance with the agency's SEP Policy, it must be ensured that the money will be used only for the project. The project milestones and deliverables will be based on the workplan submitted and approved by the Rose Foundation.

1. Installments

Grant projects 12 months or less in duration will be paid in one check. Projects longer than 12 months will be paid out in the installment schedule below after successful completion of interim reports.

This is a 10 month grant starting 2/3/2025 that will be paid in 1 installment of \$150,000. Installment 1 will be paid after the contract is signed.



2. Reporting Requirements

You are required to report on the activities that you conducted with this grant. To submit reports, please log onto our online application system at www.rosefdn.org/onlineapplication.

Report due dates are listed below:

01/09/2026

As a large track grantee receiving at least \$100,000 in funding, Los Osos Basin Management Committee shall also submit a short biannual narrative status report to Rose Foundation via the grants portal by December 31 and June 30 each year of the grant period.

3. Public Acknowledgement of Grant

Any products produced related to the Project, including but not limited to any signage or publicly distributed material including media releases and educational materials, must acknowledge the Rose Foundation as project funder via text or logo.

- Rose Foundation logo: rosefdn.org/logo

_____ Please initial to agree to these Additional Conditions and Restrictions.

I will be your Program Officer for this grant. For all future communications, the best way to reach me is by email at jisaacs@rosefdn.org, or you can also contact us at (510) 658-0702 by leaving a voice message.

Sincerely,

Jodene Isaacs
Mitigation Funds Director



To Execute this Grant Contract

If you agree to these terms and conditions as outlined in this grant contact, please sign and return this letter. ***Please make a copy for your records.***

SIGNATURE

Dan Heime1

PRINT NAME

DATE

GRANTEE ORGANIZATION

Cleath-Harris Geologists, Inc.
75 Zaca Lane, Suite 110
San Luis Obispo, CA 93401
(805) 543-1413



Technical Memorandum

Date: July 22, 2022

From: Spencer Harris, HG 633

To: Dan Heimel, PE, Executive Director
Los Osos Basin Management Committee

SUBJECT: Recommendations for Well Modifications and New Monitoring Well Locations for the Los Osos BMC Groundwater Monitoring Program.

This memorandum presents recommendations for modifying three existing monitoring wells and for adding monitoring well locations to the Los Osos Basin Plan (LOBP) monitoring network. The purpose of the modifications and new wells is to fill data gaps with respect to seawater intrusion monitoring in the Basin. These recommendations were developed as part of the adaptive management process.

Background

Seawater intrusion is a significant threat to the community water supply for Los Osos. Lower Aquifer Zone E is the deepest aquifer in the Basin and is the most susceptible to intrusion. The existing LOBP monitoring program includes 93 wells, however, only a few of these wells (such as LA12, LA18, and LA40) are dedicated Lower Aquifer Zone E monitoring wells that provide water quality information for tracking seawater intrusion¹. Additional monitoring locations in Zone E are needed.

Four existing monitoring network wells (LA13, LA14, LA16, and LA17) were previously identified as wells that could potentially be modified to provide Zone E water quality monitoring locations in the western portion of the Basin². These four wells were inspected in November 2021 and are the subject of this memorandum. In addition, new locations for Lower Aquifer Zone D and Zone E nested monitoring wells are recommended herein.

Existing Well Modifications

The locations of the wells evaluated for modification are shown in Figure 1 (attached). Currently, these wells have relatively large diameter casings (6-inch to 12-inch) which require large purge volumes to obtain representative samples. They are also mixed zone completions (D and E screened together) which preclude screening exclusively for Zone E, and the wells may also be

¹ Aquifer zone and Basin area designations for monitoring network wells may be found in Appendix B of the 2021 Annual Report.

² Figure D6 of Appendix D in the 2019 Annual Report.



affected by borehole leakage. The proposed modifications consist of setting casing liners, along with deep seals, that are intended to isolate specific permeable sediment intervals within Zone E while also mitigating borehole leakage and reducing the required purge volumes prior to sampling by an order of magnitude. Table 1 summarizes the individual modifications.

Table 1. Proposed Well Modifications

Well ID	Location	Elevation	Current screen depth	Current depth of fill	Modified screen depth
		(feet)			
LA13	Ferrell Avenue	104	425-620	537	510-530
LA14	Palisades	80	355-375, 430-480, 550-600	554*	550-590
LA16	Los Osos Valley Rd.	109	330-355, 395-415, 465-505, 530-575	511	470-500
LA17	Broderson	210	collapsed during construction	331	not feasible

*requires clean-out prior to modification

Well LA13 is owned by the Los Osos CSD, while the remaining wells are owned by San Luis Obispo County. Conceptually, the modifications consist of placing a small diameter (2.5-inch Schedule 80 PVC) casing liner into the existing wells that would be screened opposite permeable sediments in Zone E. A high solids bentonite slurry would be used to seal the new liner, and would extend across shallower screened intervals in the existing casing that could provide some penetration into the original annular space and potentially mitigate any existing borehole leakage. The modified wells would target specific depth intervals in Zone E and would greatly reduce the purge volumes required to collect representative samples (from a few thousand gallons to a few hundred).

Well LA17, which had collapsed during construction in 1985, was determined to be filled in at least 100 feet above the reported collapse depth, and no modification is considered feasible. Details of the recommended modifications for LA13, LA14, and LA16 are included in Appendix A. Geologic cross-sections showing the locations and depths of the modifications with respect to the inferred location of seawater intrusion, are shown in the attached Figures 2 through 6. Estimated Contractor costs for each of the modifications are included in Appendix B.

The recommended priority for well modification work would be to perform modifications at LA16 first, followed by LA14, and lastly LA13 (proceeding from west to east). LA16, which is also a Water Level metric well, is the farthest west and the modification would help characterize the lateral (southerly) extent of Zone E intrusion that reached LA15 in 2013 (Figure 2). LA16 was sampled in 2005 but borehole leakage (Upper Aquifer influence) currently prevents obtaining a representative sample.



New Monitoring Well Locations

Up to four locations for new monitoring wells are proposed in the Basin. The wells would be nested designs, similar to the LA40/41 well pair, with one casing in Zone E and one in Zone D. Two of the wells are located on County land (Site A and Site B), one well (Site C) is tentatively located on private property (subject to property owner consent), and the fourth well (Site D) is tentatively on San Luis Coastal Unified School District property (subject to school district consent). Table 2 presents the depth and proposed screened intervals of the new monitoring wells.

Table 2. Proposed New Monitoring Wells

Site ID	Location	Elevation	Borehole Depth	Zone D Screen	Zone E Screen
		(feet)			
Site A	Skyline	50	500	300-340	440-490
Site B	Broderson	220	800	370-410	700-780
Site C	Ramona	50	500	330-370	450-490
Site D	Sunnyside	150	800	390-440	700-780

The locations of the proposed new monitoring wells are shown in Figure 1, and the depths and monitored intervals within Zones D and E are shown with respect to the inferred seawater intrusion front in Figures 2 through 6. A brief summary of each well is provided below in the recommended order of construction (from highest to lowest priority):

Site A – Skyline

Site A is located in County right-of-way of Skyline Avenue (paved) at Broderson Avenue (unimproved). This well is recommended to replace key Chloride Metric well LA10, which is affected by borehole leakage and Upper Aquifer influence.

Site B - Broderson

Site B is located on County property at the Broderson recycled water disposal site, and will replace LA17, which was damaged during construction in 1985. A Lower Aquifer monitoring well at the Broderson site is recommended to evaluate the transmission of pressure from the Upper Aquifer groundwater mound into the Lower Aquifer.



Site C – Ramona Avenue

The Ramona Avenue site provides a second Lower Aquifer monitoring control point in the Baywood Park area (supplementing LA11). Site C would track potential Zone E intrusion moving inland of LA40, and help monitor conditions surrounding supply well LA12.

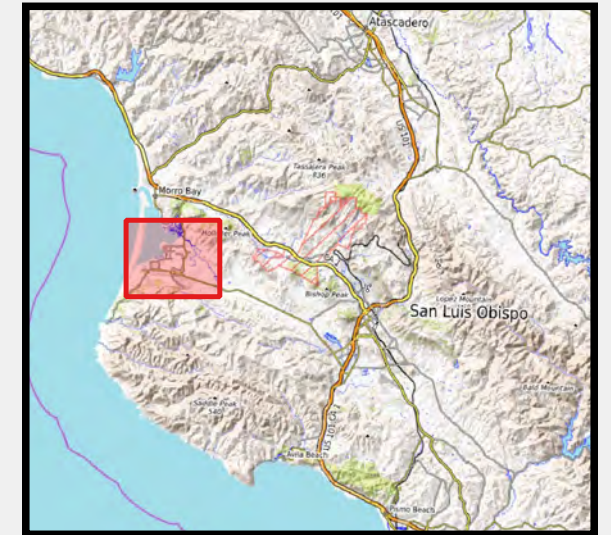
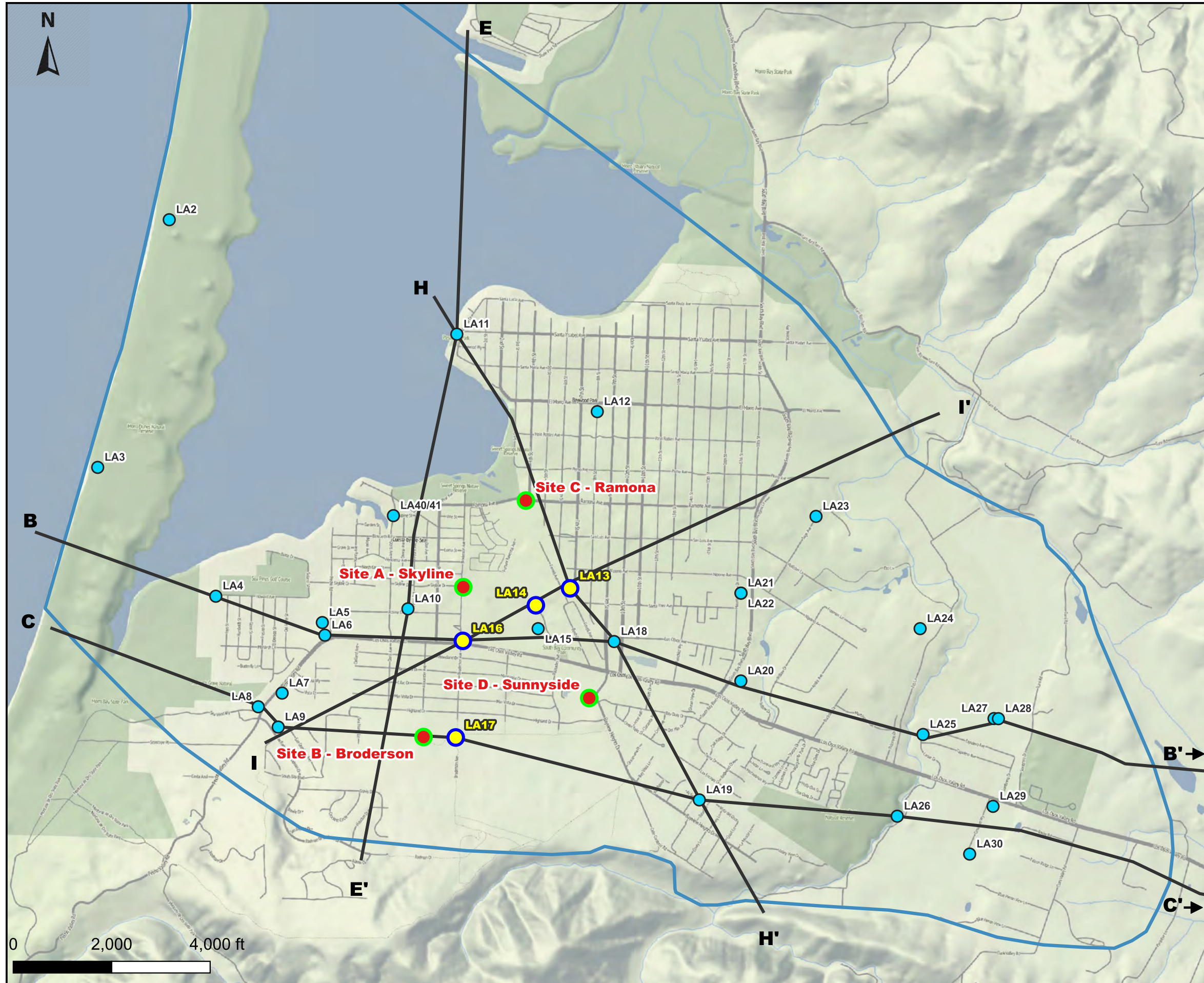
Site D – Sunnyside

The Sunnyside well is tentatively located at Sunnyside School and, along with Site B, would monitor some of the deepest portions of Zone E. Site D would fill a gap in monitoring the Lower Aquifer southwest of downtown Los Osos.

Site A is assigned the highest priority, being the replacement for Chloride Metric well LA10. A nested monitoring well at Site A would differentiate Zone D intrusion from Zone E intrusion, which LA10 is not able to do (Figure 4). The anticipated design would be similar to the Lupine Street monitoring well (LA40/41), which was constructed in 2019 at a contractor cost of \$90,000, with bids ranging from \$90,000 to \$126,500. Current estimated costs for a well at Site A would be between \$140,000 and \$160,000.



FIGURES



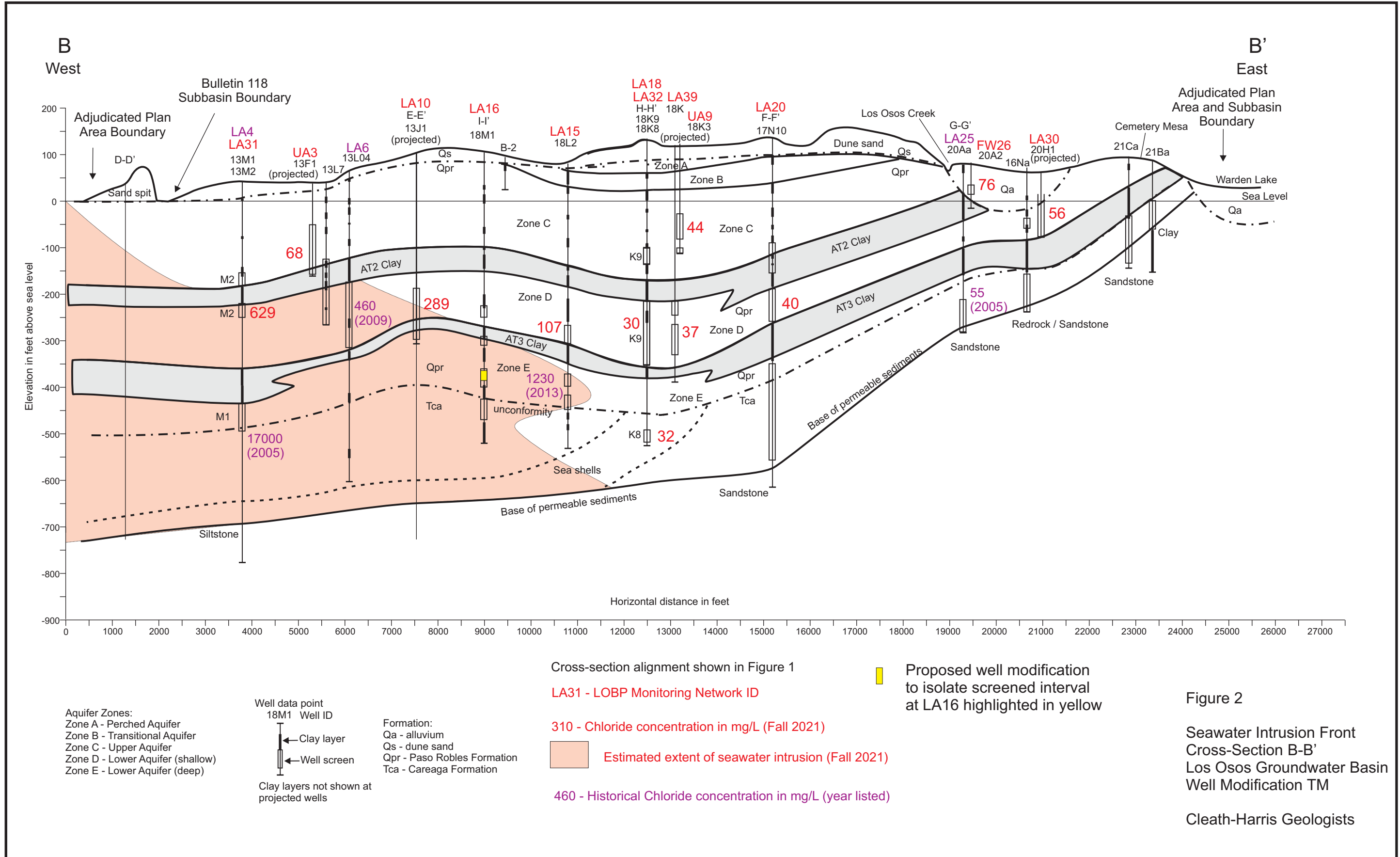
Explanation

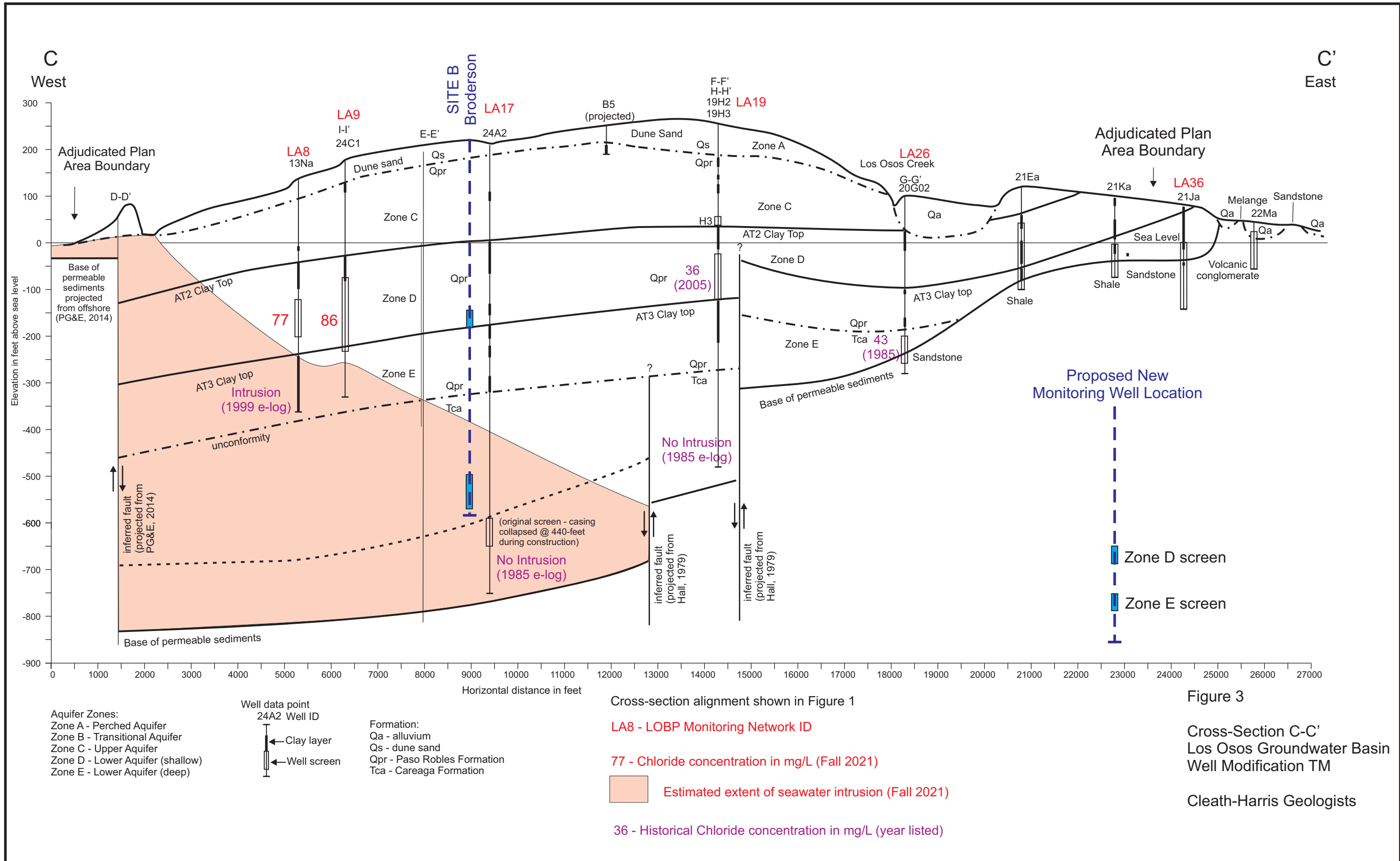
- Basin Boundary
- Cross-section line
- Existing Lower Aquifer Well
- Existing Lower Aquifer Well Evaluated for Modification
- New Proposed Monitoring Well

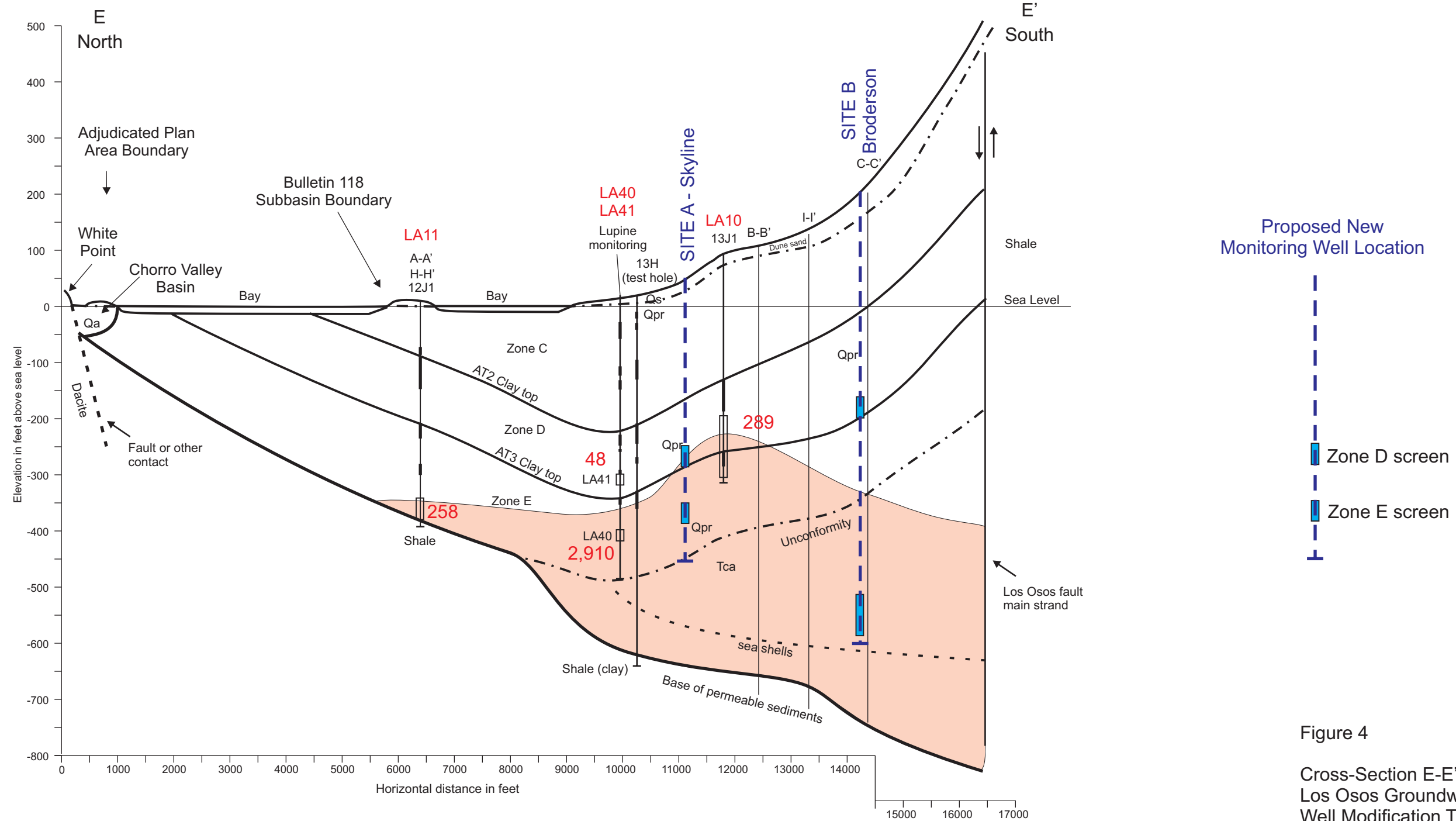
**Figure 1
Well Locations**

**Well Modification TM
Los Osos BMC**

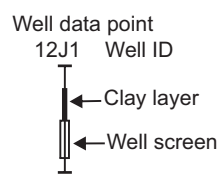
Cleath-Harris Geologists







Aquifer Zones:
 Zone A - Perched Aquifer
 Zone B - Transitional Aquifer
 Zone C - Upper Aquifer
 Zone D - Lower Aquifer (shallow)
 Zone E - Lower Aquifer (deep)



Formation:
 Qa - alluvium
 Qs - dune sand
 Qpr - Paso Robles Formation
 Tca - Careaga Formation

Cross-section alignment shown in Figure 1

LA11 - LOBP Monitoring Network ID

258 - Chloride concentration in mg/L (Fall 2021)

Estimated extent of seawater intrusion (Fall 2021)

Figure 4

Cross-Section E-E'
 Los Osos Groundwater Basin
 Well Modification TM

Cleath-Harris Geologists

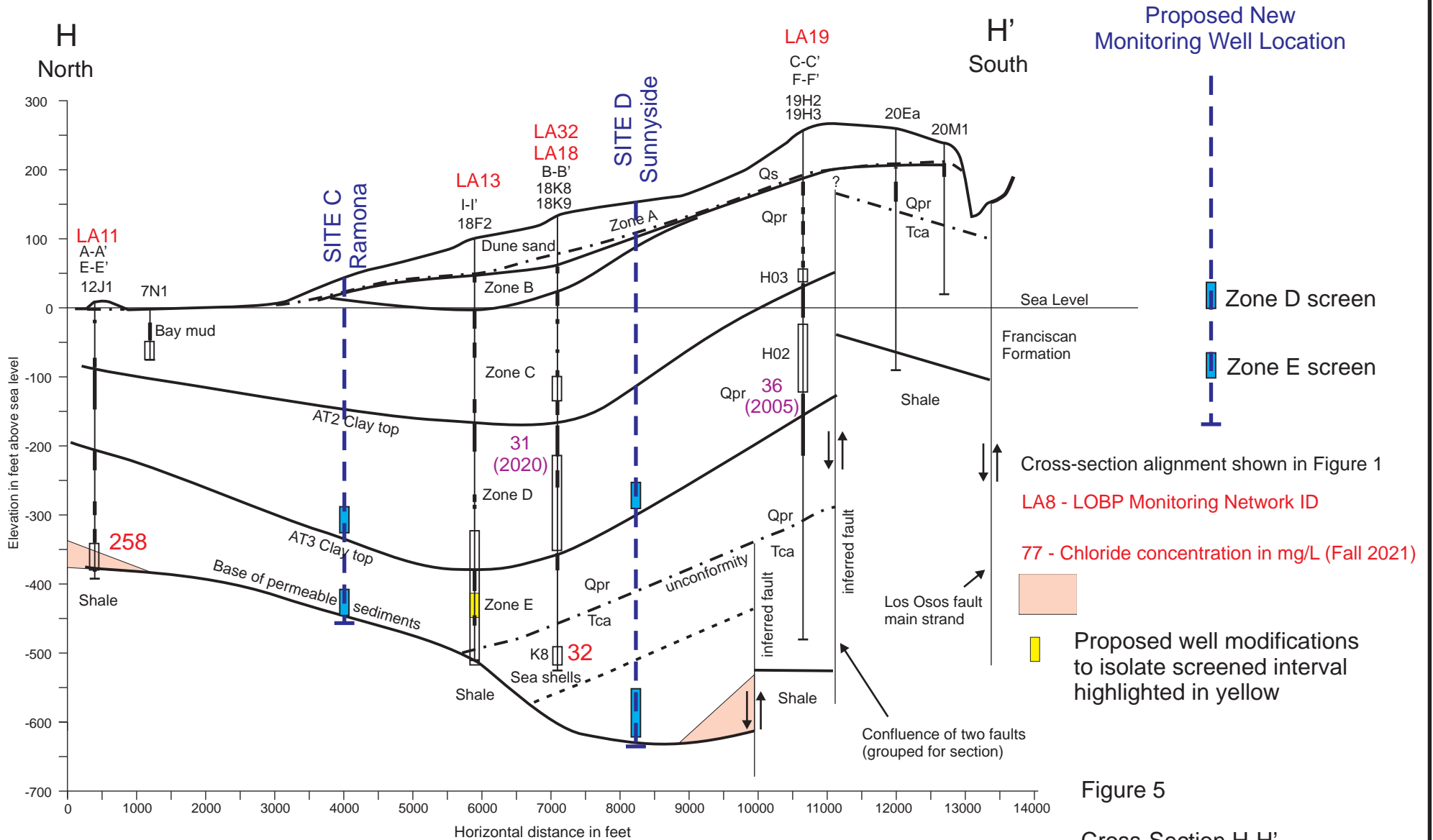
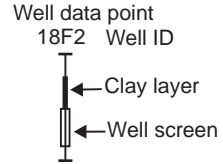


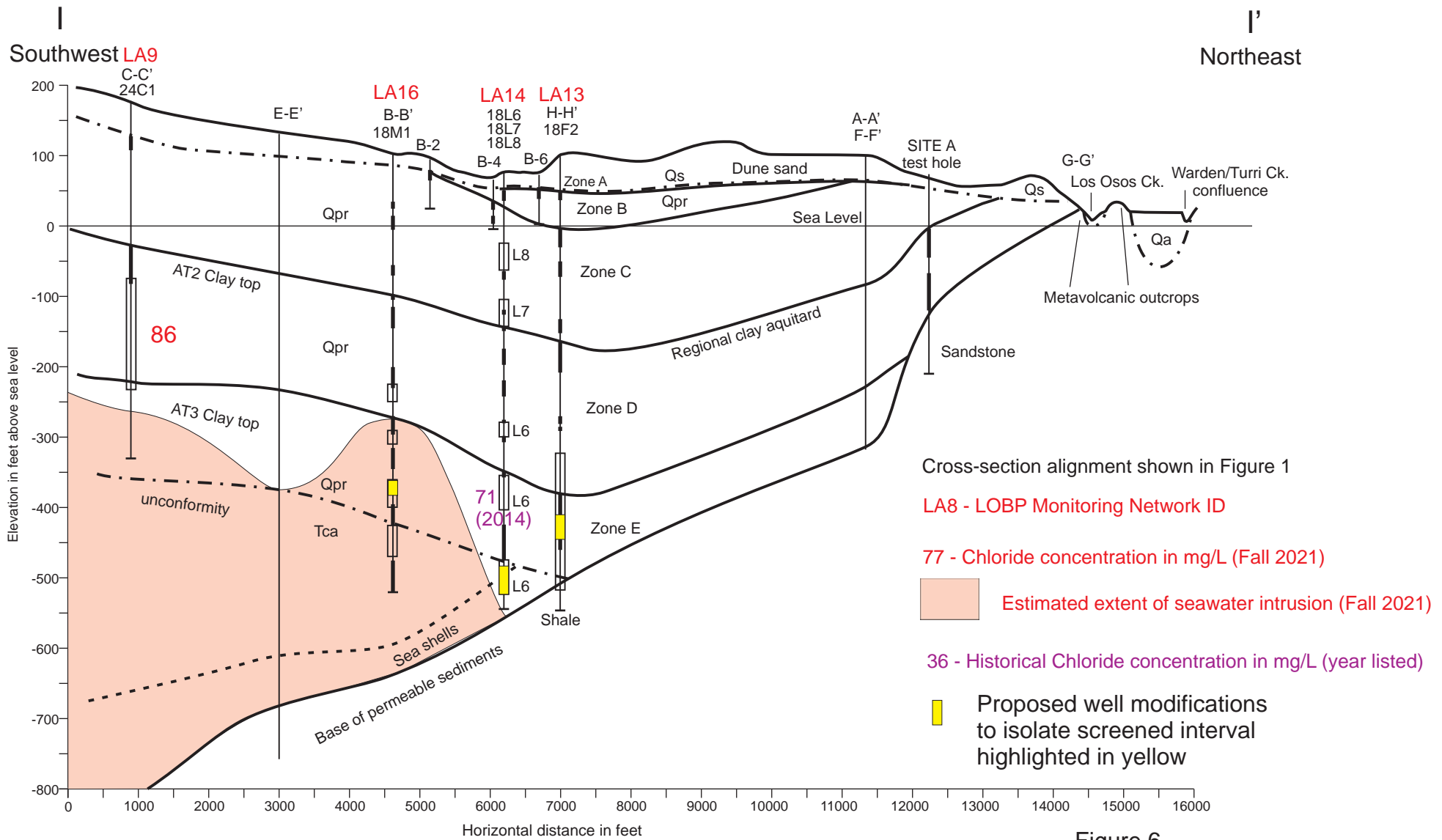
Figure 5
 Cross-Section H-H'
 Los Osos Groundwater Basin
 Well Modification TM

Cleath-Harris Geologists

Aquifer Zones:
 Zone A - Perched Aquifer
 Zone B - Transitional Aquifer
 Zone C - Upper Aquifer
 Zone D - Lower Aquifer (shallow)
 Zone E - Lower Aquifer (deep)



Formation:
 Qa - alluvium
 Qs - dune sand
 Qpr - Paso Robles Formation
 Tca - Careaga Formation



Cross-section alignment shown in Figure 1

LA8 - LOBP Monitoring Network ID

77 - Chloride concentration in mg/L (Fall 2021)

Estimated extent of seawater intrusion (Fall 2021)

36 - Historical Chloride concentration in mg/L (year listed)

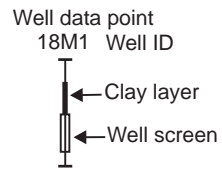
Proposed well modifications to isolate screened interval highlighted in yellow

Figure 6

Cross-Section I-I'
Los Osos Groundwater Basin
Well Modification TM

Cleath-Harris Geologists

Aquifer Zones:
Zone A - Perched Aquifer
Zone B - Transitional Aquifer
Zone C - Upper Aquifer
Zone D - Lower Aquifer (shallow)
Zone E - Lower Aquifer (deep)



Formation:
Qa - alluvium
Qs - dune sand
Qpr - Paso Robles Formation
Tca - Careaga Formation



APPENDIX A

Recommended Well Modification Details

Preliminary Well Modification Design – LA13 (30S/11E-18F2)

Site: Los Osos CSD Yard between Ferrell Avenue and 7th Street, Los Osos, California

GPS Coordinates: 35.3159, -120.8358

Well Owner: Los Osos Community Services District

Well Depth: 625 feet (currently sanded in at 536 feet)

Well Diameter: 12-inch steel with 8-inch steel liner beginning at 420 feet

SCOPE OF WORK

- 1) Submit well modification permit
- 2) Run camera to inspect existing construction.
- 3) Perform planned well modification as described below.

PLANNED MODIFICATION:

Liner Completion: 2.5-inch diameter, Sch 80 PVC casing (0.020-inch perforations 510-530 feet depth)

Annular Space inside existing well (from surface)

Seal #1: Cement top seal (0-3 feet depth)

Inert fill: Clean sand up to ¼ inch (3-400 feet depth)

Seal #2: High solids bentonite slurry (400-490 feet depth)

Seal #3: Bentonite chips 490-500 feet depth

Filter pack: 8 x 20 sand (500-532 feet depth)

Seal #4: Bentonite chips 532-537 feet depth



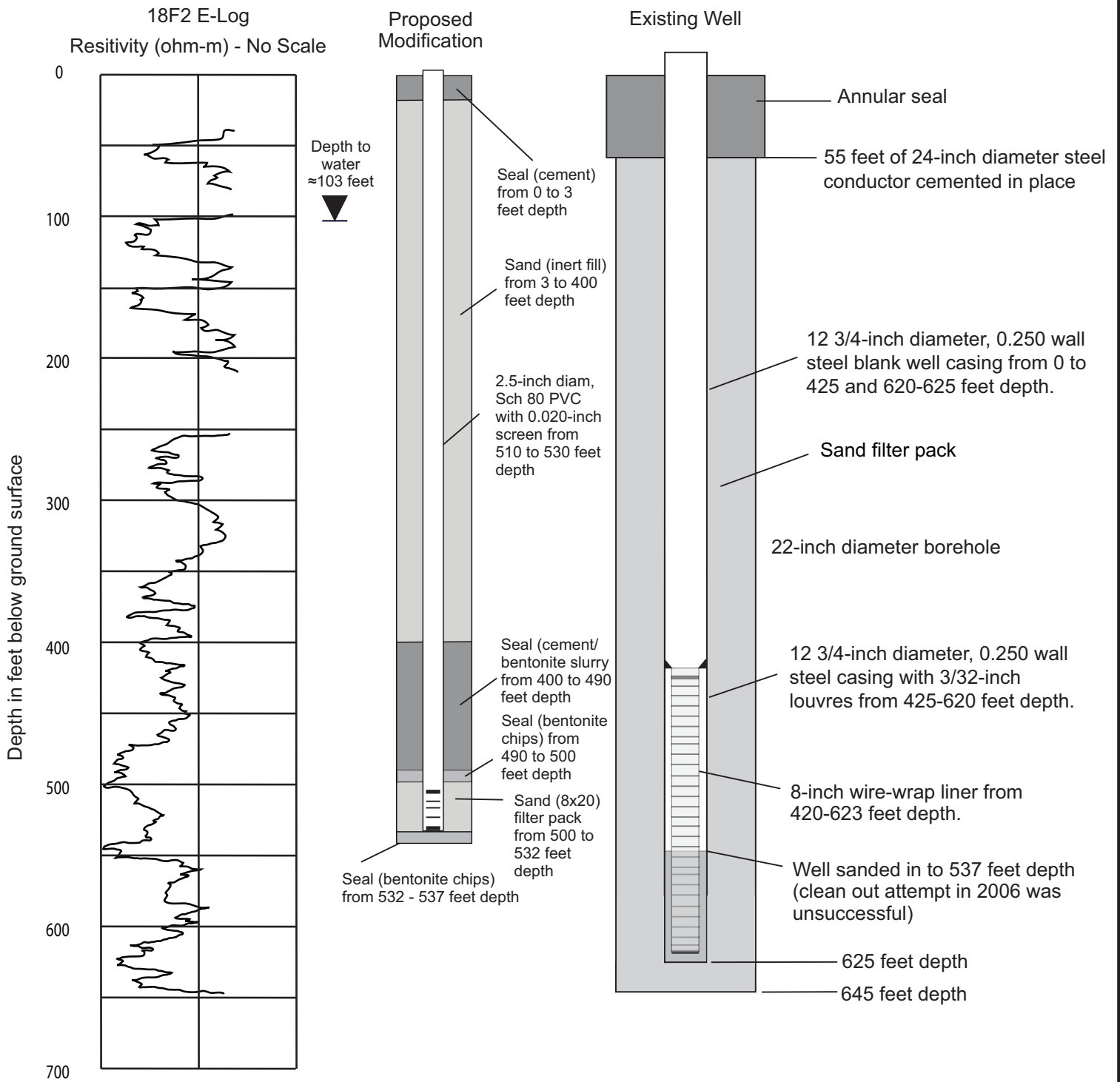


Figure 1
 Well 18F2 (LA13)
 Well Modification

305/11E-18F2

THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

No. 77270
State Well No. 305/11E-18F
Other Well No. #2 Ferrel

DUPLICATE
Retain this copy

(1) OWNER: Ferrel #2 well
Name SIO County Service Area 9A, Baywood Park
Address San Luis Obispo, Ca. 93401

(2) LOCATION OF WELL:
County SIO Owner's number, if any
Township, Range, and Section
Distance from cities, roads, railroads, etc.

(3) TYPE OF WORK (check):
New Well Deepening Reconditioning Destroying
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic Industrial Municipal Irrigation Test Well Other
(5) EQUIPMENT:
Rotary Mud Cable Other

(6) CASING INSTALLED:

STEEL <input checked="" type="checkbox"/> OTHER:				If gravel packed		
From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	625	12 3/4"	.250	22"	0	625

Size of shoe or well casing welded bottom
Describe joint welded
Size of gravel according to specs.

(7) PERFORATIONS OR SCREEN:

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
0	425	blank		
425	620	10	120	3/32
620	625	blank		

(8) CONSTRUCTION:
Was a surface sanitary seal provided? Yes No To what depth 55 ft.
Were any strata sealed against pollution? Yes No If yes, note depth of strata
From ft. to ft.
From ft. to ft.

(9) WATER LEVELS: 32" hole
Depth at which water was first found, if known 420 ft.
Standing level before perforating, if known 48 ft.
Standing level after perforating and developing 60 ft.

(10) WELL TESTS:
Was pump test made? Yes No If yes, by whom McGoy Pump Co.
g.p.m. with ft. drawdown after hrs.
Temperature of water Was a chemical analysis made? Yes No
Was electric log made of well? Yes No If yes, attach copy

(11) WELL LOG:

Total depth	ft.	Depth of completed well	ft.
645		625	
Formation: Describe by color, character, size of material, and structure			
	ft. to		ft.
0	-	45	sand
45		65	brown clay
65		70	gravel & sand
70		80	brown clay
80		105	brown clay & gravel
105		117	blue clay
117		120	shale gravel
120		170	brown sandy clay
170		180	brown sand & gravel
180		245	brown clay
245		255	gravel & sand
255		270	brown clay
270		280	blue clay
280		285	sand, some gravel
285		300	blue clay
300		340	brown clay, some gravel & sand
340		420	brown sandy clay
420		455	lite brown sandy shale gravel
455		515	brown clay
515		537	lite clay
537		555	hard sandstone
555		600	sand & gravel (sandy)
600		610	gravel & sea shale (sandy)
610		645	brown shale

Work started 9/2/75 19 Completed 9/11/75
WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Miller Drilling Co.
Address Rt. 1, Box 22
Paso Robles, Ca. 93446
[SIGNED] R. H. Miller
License No. 236900 Dated 9/22/75 19

SKETCH LOCATION OF WELL ON REVERSE SIDE

Preliminary Well Modification Design – LA14 (30S/11E-18L6)

Site: County easement at north end of Palisades Ave, Los Osos, California

GPS Coordinates: 35.3149, -120.8381

Well Owner: San Luis Obispo County

Well Depth: 600 feet (currently sanded in at 554 feet).

Well Diameter: 6-inch PVC

SCOPE OF WORK

- 1) Submit well modification permit
- 2) Submit County encroachment permit (if needed).
- 3) Temporarily remove portion of traffic barricade to access well (optional).
- 4) Clean out well from 544 to 600 feet.
- 5) Run camera to inspect existing construction.
- 6) Perform planned well modification as described below.
- 7) Re-install traffic barricade as needed.

PLANNED MODIFICATION:

Liner Completion: 2.5-inch diameter, Sch 80 PVC casing (0.020-inch perforations 550-590 feet depth)

Annular Space inside existing well (from surface)

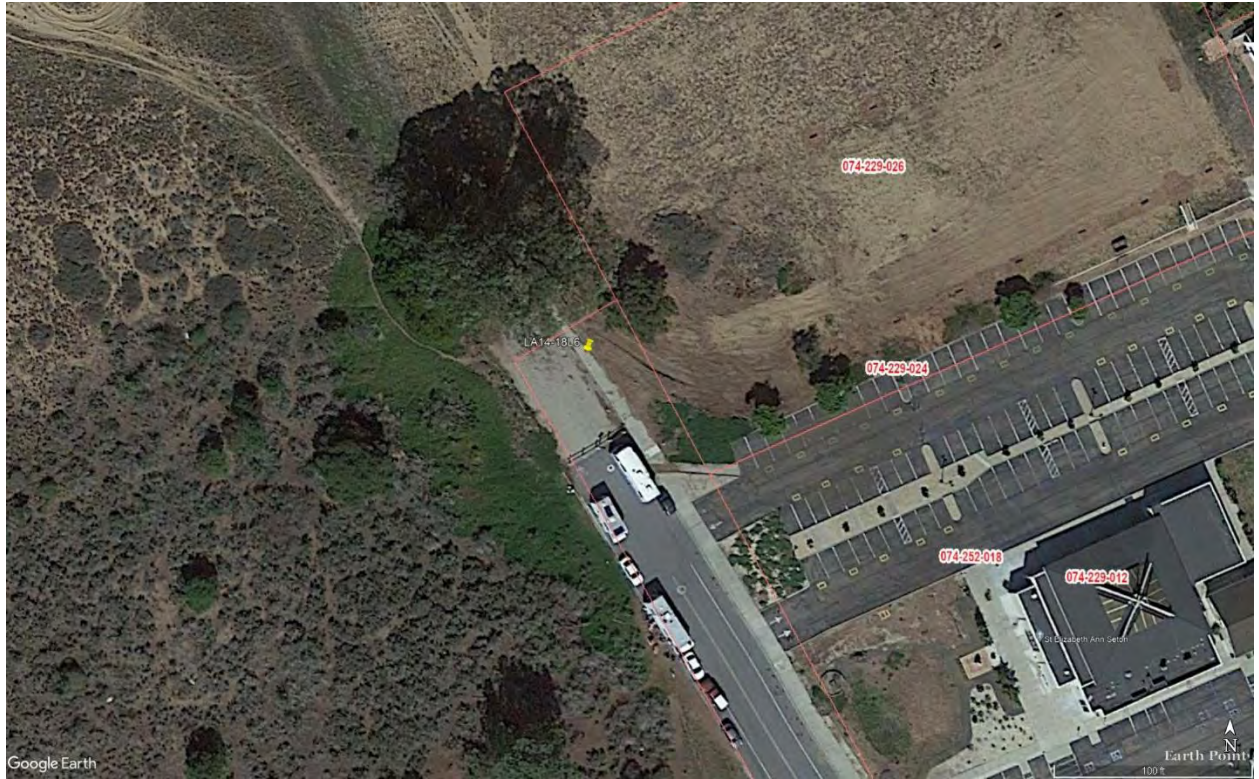
Seal #1: Cement top seal (0-3 feet depth)

Inert fill: Commercial sand up to ¼ inch (3-340 feet depth)

Seal #2: High solids bentonite slurry (340-500 feet depth)

Seal #3: Bentonite chips 500-510 feet depth

Filter pack: 8 x 20 sand (510-600 feet depth)



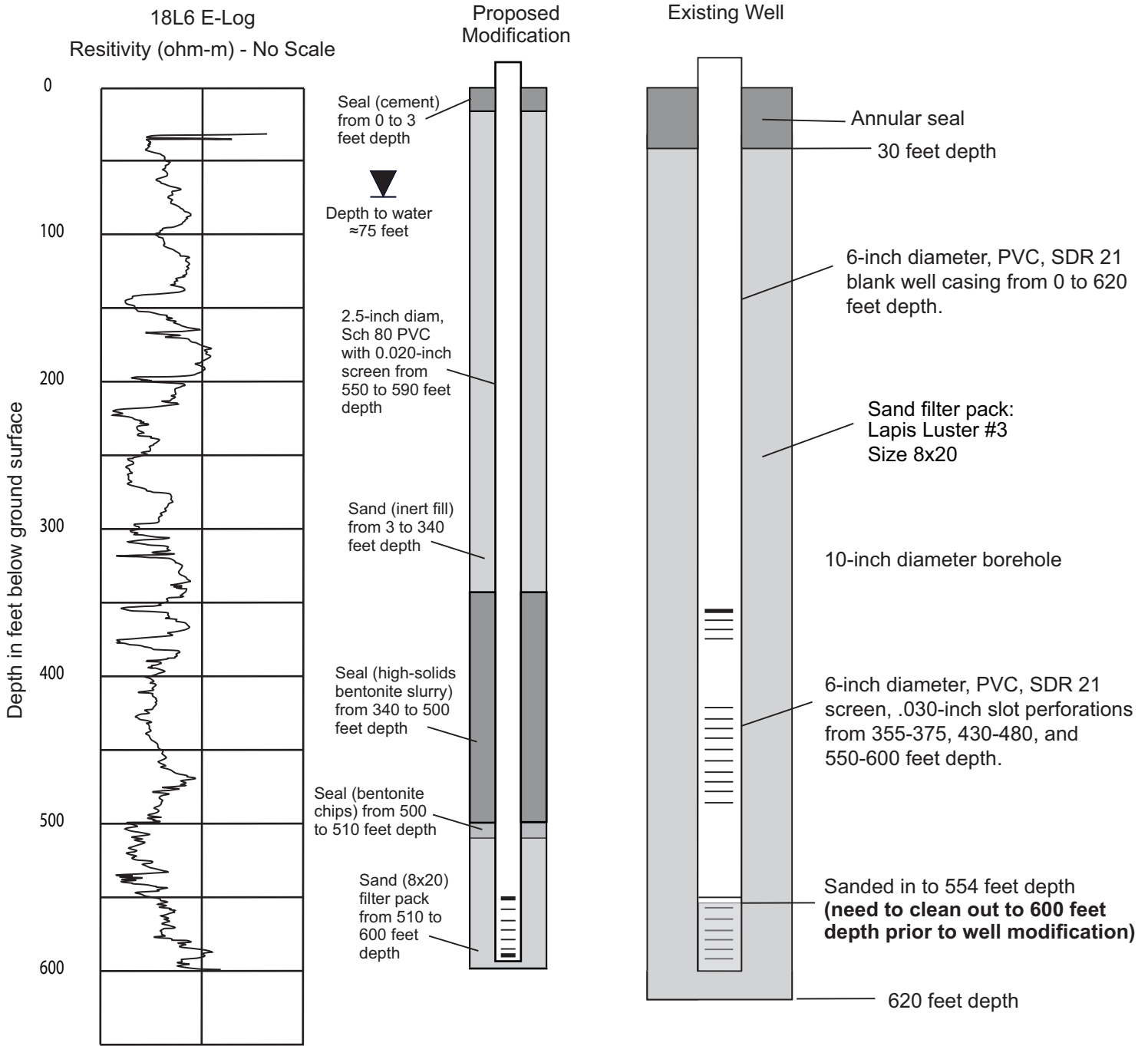


Figure 2
 Well 18L6 (LA14)
 Well Modification

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not
No. 17370
State Well No. 305/11E-18L6
Other Well No. Lib Palisades

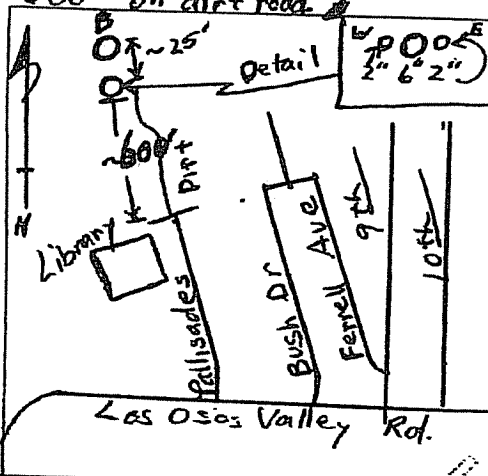
Notice of Intent No. _____
Local Permit No. or Date _____

(1) OWNER: Name U.S. Geological Survey-WRD
Address 2800 Cottage Way
City Sacramento Zip 95825

(12) WELL LOG: Total depth 620 ft. Depth of completed well 620
from ft. to ft. Formation (Describe by color, character, size or material)

(2) LOCATION OF WELL (See instructions):
County San Luis Obispo Owner's Well Number _____
Well address if different from above Library Palisades
Township _____ Range _____ Section _____
Distance from cities, roads, railroads, fences, etc. From Los Osos Valley Road proceed North on Palisades past library to end of road, continue northerly another 600' on dirt road.

See attached sheet



(3) TYPE OF WORK:

- New Well Deepening
- Reconstruction
- Reconditioning
- Horizontal Well

Destruction (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

- Domestic
- Irrigation
- Industrial
- Test Well
- Stock
- Municipal
- Other

WELL LOCATION SKETCH

(5) EQUIPMENT:

- Rotary Reverse
- Cable Air
- Other Bucket

(6) GRAVEL PACK: Lap 5 1/2" steel

- Yes No Size 20/30
- Diameter of bore 9 7/8 inches
- Packed from 620 to 30 ft.

(7) CASING INSTALLED:

- Steel Plastic Concrete

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	60.5	6	SDR21	355	375	.030
				430	480	"
				550	600	"

(9) WELL SEAL:

- Was surface sanitary seal provided? Yes No If yes, to depth 30 ft.
- Were strata sealed against pollution? Yes No Interval 260-265
- Method of sealing Cement/Bentonite 300-305

(10) WATER LEVELS:

- Depth of first water, if known _____ ft.
- Standing level after well completion 92 ft.

(11) WELL TESTS:

- Was well test made? Yes No If yes, by whom? _____
- Type of test Pump Bailor Air lift
- Depth to water at start of test 99 ft. At end of test 112 ft.
- Discharge 60 gal/min after 1 hours Water temperature 7.5°C
- Chemical analysis made? Yes No If yes, by whom? USGS
- Was electric log made? Yes No If yes, attach copy to this report

Work started _____ 19____ Completed _____ 19____

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of knowledge and belief.

SIGNED _____ (Well Driller)
NAME USGS-WRD Western Region Drilling Co.
(Person, firm, or corporation) (Typed or printed)
Address 345 Middlefield Road
City Menlo Park Zip 94025
License No. _____ Date of this report 8-14-85

Preliminary Well Modification Design – LA16 (30S/11E-18M1)

Site: County easement at northeast corner of the Los Osos Valley Road and Broderson Ave, Los Osos, California

GPS coordinates: 35.3128, -120.8430

Well Owner: San Luis Obispo County

Well Depth: 577 feet (currently sanded in at 511 feet)

Well Diameter: 10-inch steel

SCOPE OF WORK

- 1) Submit well modification permit.
- 2) Submit County encroachment permit (if needed).
- 3) Expose and remove existing steel top plate to access well.
- 4) Run camera to inspect existing construction.
- 5) Perform planned well modification as described below.

PLANNED MODIFICATION:

Liner Completion: 2.5-inch diameter, Sch 80 PVC casing (0.020-inch perforations 470-500 feet depth)

Annular Space inside existing well (from surface)

Seal #1: Cement top seal (0-3 feet depth)

Inert fill: Commercial sand up to ¼ inch diameter (3-320 feet depth)

Seal #2: High solids bentonite slurry (320-440 feet depth)

Seal #3: Bentonite chips 440-450 feet depth

Filter pack: 8 x 20 sand (450 to 505 feet depth)

Seal #4: Bentonite chips 505-511 feet depth

Wellhead: Install traffic-rated well box with cement pad (ground surface is above existing wellhead)



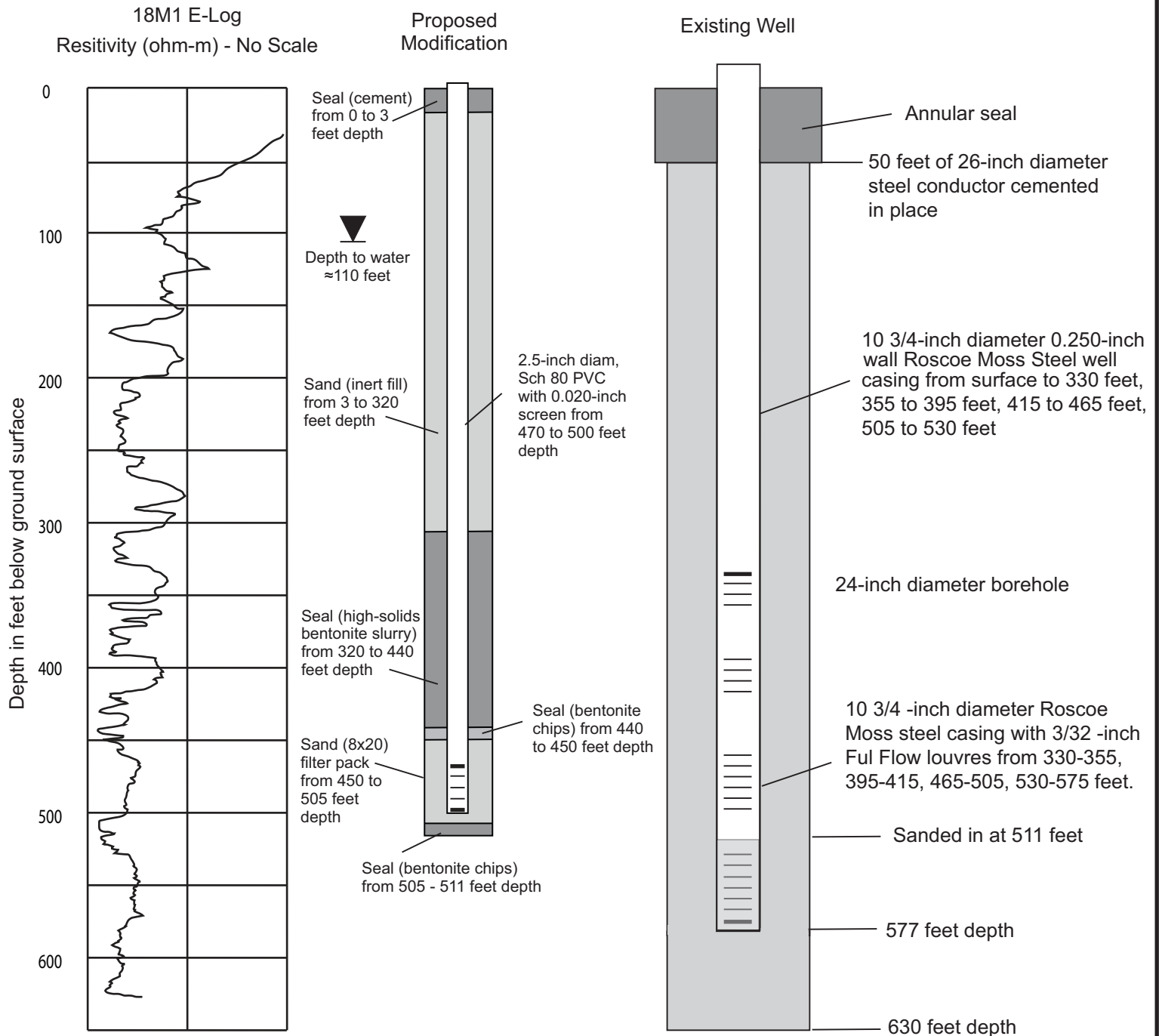


Figure 3
 Well 18M1 (LA16)
 Well Modification

305/11E - 18M

(given to County)
FLOYD V. WELLS, INC.

given to county Licensed
Broderson/WORK Drilling
Contractors

1337 West Betteravia Road Phone WALnut 5-8626
SANTA MARIA, CALIFORNIA 93454

Mailing Address:
Post Office Box 1007
Santa Maria, California

Goleta Office:
5798 Dawson Ave:
Phone 967-4124
Santa Maria
Phone Zenith 2-7726

See Plan #5

Log of well drilled for : California Cities Water Co., Baywood Park
 Location : 85 ft. north of center line Los Osos Valley Rd.,
 40 ft. east of center line Broderson Ave.
 Surface seal : 50 ft. of 26" x .250 wall pipe cemented in place
 Well bore : 24"
 Casing : 577 ft. of 10 3/4" x .250 wall Roscoe Moss Full Flow
 Perforations : 575 ft. to 530 ft., 505 ft. to 465 ft.,
 415 ft. to 395 ft., 355 ft. to 330 ft.,
 3/32" Full Flow louvres
 Well completed : 10 July 1973

Formation

From	0	to	70	feet	
					Fine brown sand
"	70	"	110	"	Reddish brown sand and sandy clay
"	110	"	160	"	Brown sand and sandy clay
"	160	"	165	"	Brown sand
"	165	"	245	"	Brown sandy clay with strips of fine sand
"	245	"	265	"	Brown clay with sand and gravel
"	265	"	275	"	Brown sandy clay with small amount of gravel
"	275	"	295	"	Fine sand and sandy clay
"	295	"	328	"	Sandy brown clay with sand strips
"	328	"	338	"	Brown sandy clay with sand and gravel
"	338	"	350	"	Brown sandy clay with sand strips
"	350	"	372	"	Sand and gravel with clay
"	372	"	392	"	Brown sandy clay with sand and small amount gravel
"	392	"	402	"	Fine sand and sandy clay
"	402	"	420	"	Sandy brown clay with sand strips
"	420	"	436	"	Blue and brown sandy clay
"	436	"	460	"	Brown sandy clay with sand strips
"	460	"	477	"	Brown sandy clay with sand and gravel
"	477	"	490	"	Brown sandy clay with sand and small amount gravel
"	490	"	495	"	Brown sandy clay

- continued -

Log of well drilled for : California Cities Water Co., Baywood Park

Formation

From	495	to	525	feet	Black clay and blue clay with fine sand
"	525	"	536	"	Brown sandy clay and fine sand
"	536	"	562	"	Sand and gravel with small amount of clay
"	562	"	570	"	Blue and brown sandy clay and gravel
"	570	"	630	"	Brown sandy clay and gravel



APPENDIX B

Estimated Well Modification Contractor Costs
Filipponi & Thompson Drilling, Inc.

TEL: (805)466-1271 FAX: (805)466-2388

Estimate

NAME / ADDRESS
LOS OSOS C.S.D. 2122 9TH STREET, STE. 110 LOS OSOS, CA 93402

DATE	ESTIMATE #
6/2/2022	1276

E-mail
RMUNDS@losososcscd.org

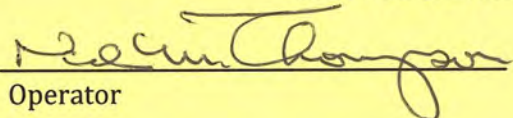
Project
LA13 (30S/11E-18F2)

DESCRIPTION	QTY	COST	TOTAL
LOS OSOS CSD C/O SPENCER HARRIS WELL LA13 (30S/11E-18F2)			
ESTIMATE FOR WELL MODIFICATIONS. 12" STEEL WELL WITH 8" STEEL LINER AT 420 FT.			
WELL MODIFICATION PERMIT	1	1,200.00	1,200.00
VIDEO WELL	1	2,250.00	2,250.00
PERFORM WELL MODIFICATION	1	6,000.00	6,000.00
510' - 2 1/2" FLUSH WALL PVC SCH. 80	1	13,700.00	13,700.00T
20' - 2 1/2" FLUSH WALL PVC SCH. 80 0.020" PERFORATIONS	1	540.00	540.00T
2 1/2" FLUSH WALL CAPS	1	150.00	150.00T
5' (532' - 537') BENTONITE CHIPS	1	150.00	150.00T
32' (500' - 532') 8 X 20 SAND	1	200.00	200.00T
10' (490' - 500') BENTONITE CHIPS	1	200.00	200.00T
90' (400' - 490') HIGH SOLIDS BENTONITE SLURRY	1	300.00	300.00T
397' (3'-400') COMMERCIAL SAND	1	1,400.00	1,400.00T
3' (0-3') CEMENT TOP	1	100.00	100.00T
*** ESTIMATE INCLUDES LABOR COST ***		0.00	0.00
Sales Tax		7.25%	1,213.65

TO ACCEPT THIS OFFER, PLEASE SIGN BELOW AND RETURN THIS CONTRACT TO OUR OFFICE.

TOTAL **\$27,403.65**

THIS OFFER WILL EXPIRE AFTER 30 DAYS UNLESS ACCEPTED.


 Operator

Signature

Date

I ACCEPT THE ABOVE OFFER

TEL: (805)466-1271 FAX: (805)466-2388

Estimate

NAME / ADDRESS
LOS OSOS C.S.D. 2122 9TH STREET, STE. 110 LOS OSOS, CA 93402

DATE	ESTIMATE #
6/2/2022	1278

E-mail
RMUNDS@losososcscd.org

Project
LA14 (30S/11E-18L6)

DESCRIPTION	QTY	COST	TOTAL
LOS OSOS CSD C/O SPENCER HARRIS WELL LA14 (30S/11E-18L6)			
ESTIMATE FOR WELL MODIFICATION. 6" PVC WELL			
WELL MODIFICATION PERMIT	1	1,200.00	1,200.00
REMOVE & INSTALL TRAFFIC BARRICADE (IF NEEDED)	1	2,000.00	2,000.00
CLEAN OUT WELL FROM 544' - 600'	1	4,800.00	4,800.00
VIDEO WELL	1	2,000.00	2,000.00
PERFORM WELL MODIFICATION	1	6,000.00	6,000.00
560' - 2 1/2" FLUSH WALL PVC SCH. 80	1	15,120.00	15,120.00T
40' - 2 1/2" FLUSH WALL PVC 0.020" PERFORATIONS	1	1,080.00	1,080.00T
2 1/2' FLUSH WALL CAPS	1	150.00	150.00T
90' (510' - 600') 8 X 20 SAND	1	300.00	300.00T
10' (500' - 510') BENTONITE CHIPS	1	100.00	100.00T
160' (340' - 500') HIGH SOLIDS BENTONITE SLURRY	1	300.00	300.00T
337' (3' - 340') COMMERCIAL SAND	1	500.00	500.00T
3' (0 - 3') CEMENT TOP	1	50.00	50.00T
TOOL FABRICATION	1	2,000.00	2,000.00
AIR COMPRESSOR	1	2,000.00	2,000.00
ESTIMATE INCLUDES LABOR COST	1	0.00	0.00
COUNTY ENCROACHMENT PERMIT TO BE OBTAINED BY OTHERS			
Sales Tax		7.25%	1,276.00
TO ACCEPT THIS OFFER, PLEASE SIGN BELOW AND RETURN THIS CONTRACT TO OUR OFFICE.	TOTAL		\$38,876.00

THIS OFFER WILL EXPIRE AFTER 30 DAYS UNLESS ACCEPTED.

Operator _____

Signature _____

Date _____

I ACCEPT THE ABOVE OFFER

TEL: (805)466-1271 FAX: (805)466-2388

Estimate

NAME / ADDRESS
LOS OSOS C.S.D. 2122 9TH STREET, STE. 110 LOS OSOS, CA 93402

DATE	ESTIMATE #
6/2/2022	1277

E-mail
RMUNDS@losososcscd.org

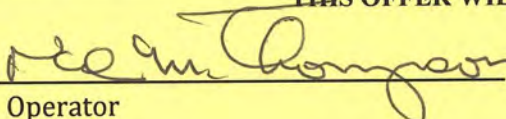
Project
LA16 (30S/11E-18MI)

DESCRIPTION	QTY	COST	TOTAL
LOS OSOS CSD C/O SPENCER HARRIS WELL LA16 (30S/11E-18M1)			
ESTIMATE FOR WELL MODIFICATION. 10" STEEL WELL			
WELL MODIFICATION PERMIT	1	1,200.00	1,200.00
EXPOSE AND REMOVE STEEL PLATE TO ACCESS WELL	1	2,400.00	2,400.00
VIDEO WELL	1	2,000.00	2,000.00
PERFORM WELL MODIFICATION	1	6,000.00	6,000.00
470' - 2 1/2" FLUSH WALL PVC SCH. 80	1	12,690.00	12,690.00T
30' - 2 1/2" FLUSH WALL PVC SCH. 80 0.020" PERFORATIONS	1	810.00	810.00T
2 1/2' FLUSH WALL CAPS	1	150.00	150.00T
6' (505' - 511') BENTONITE CHIPS	1	150.00	150.00T
55' (450' - 505') 8 X 20 SAND	1	300.00	300.00T
10' (440' - 450') BENTONITE CHIPS	1	150.00	150.00T
120' (320' - 440') HIGH SOLIDS BENTONITE SLURRY	1	500.00	500.00T
317' (3' - 320') COMMERCIAL SAND	1	1,400.00	1,400.00T
3' (0 - 3') CEMENT TOP	1	100.00	100.00T
ESTIMATE INCLUDES LABOR COST	1	0.00	0.00
COUNTY ENCROACHMENT PERMIT TO BE OBTAINED BY OTHERS Sales Tax		7.25%	1,178.13

TO ACCEPT THIS OFFER, PLEASE SIGN BELOW AND RETURN THIS CONTRACT TO OUR OFFICE.

TOTAL \$29,028.13

THIS OFFER WILL EXPIRE AFTER 30 DAYS UNLESS ACCEPTED.


 Operator

Signature

Date

I ACCEPT THE ABOVE OFFER

TO: Los Osos Basin Management Committee

FROM: Dan Heimel, Executive Director

DATE: October 16, 2024

SUBJECT: Item 9c– Sustainable Yield Estimate for Calendar Year 2025

Recommendations

Receive information on the Sustainable Yield calculations and consider approval of the proposed Sustainable Yield estimate of 2,380 AFY for Calendar Year 2025; or provide alternate direction to staff.

Discussion

Background

In the Stipulated Judgement (SJ) and the Basin Plan, the BMC Parties agreed on a framework and methodology for estimating and updating the Sustainable Yield for the Los Osos Basin (Basin), referred to as Sustainable Yield_x, where “X” represents the Sustainable Yield estimate for that year. The SJ and Basin Plan require the BMC to annually evaluate, confirm and set the Sustainable Yield_x based on the best available data and evidence.

On October 27th, 2021 the BMC established an updated Sustainable Yield Estimate of 2,380 AFY for the Los Osos Basin. This estimate was based on updated criteria for calculating the Sustainable Yield Estimate, which is outlined below:

1. **Seawater Intrusion Threshold** - Utilizing the Adaptive Method for limiting the extent of seawater intrusion does not allow seawater to intrude farther inland during the calculation of the Sustainable Yield for the Basin. This approach establishes that further degradation of the Basin is an undesirable affect and basin pumping should be managed to, at a minimum, not further degrade the basin and with the goal (Basin Yield Metric 80 pumping target) of reversing seawater intrusion and pushing the seawater intrusion front back toward the Bay.
2. **Broderson Mound** - Sustainable Yield calculations should be performed based on the actual estimates of the development of the Broderson Mound. Based on the best available information that we have, it is estimated that the Broderson Mound is approximately 50% developed and incorporating this assumption into the Sustainable Yield calculation helps identify the amount of pumping that can be sustainably achieved under current conditions.
3. **Available Infrastructure** – The calculation of Sustainable Yield Estimate should account for currently available infrastructure and infrastructure that is anticipated to be available for the majority of the upcoming year.
4. **Precipitation** – BMC Staff reviewed the rainfall assumptions in the Sustainable Yield calculation and recommends utilizing 17.3 inches per year as the long-term average rainfall for the basin.

This recommendation is based on an evaluation of two different datasets using the latest available rainfall data for the basin. Additional information on the rainfall evaluation is provided in Item 8b of the 9/29/2021 BMC Agenda Packet.

Additional information on the methodology and assumptions utilized to calculate the 2,380 AFY Sustainable Yield Estimate can be found in [Agenda Item 8a of the October 27th, 2021 BMC Meeting Agenda Packet](#).

Calendar Year 2025 Sustainable Yield Estimate

Prior to the beginning of Calendar Year 2025, the BMC is tasked with establishing a Sustainable Yield estimate for 2025. For Calendar Year 2025, BMC Staff is recommending that the BMC retain the current Sustainable Yield estimate of 2,380 AFY for CY 2025 for the following reasons: 1) No new infrastructure, not already considered in the 2,380 AFY Sustainable Yield Estimate, has been constructed; 2) estimates for the development of the Broderson Mound and long-term average rainfall were updated and incorporated into the 2,380 AFY Sustainable Yield Estimate and are not anticipated to change significantly on a year-over-year basis; 3) no significant hydrogeologic investigations have been conducted that would warrant an update to the steady-state groundwater model utilized to develop the Sustainable Yield Estimate; 4) the transient model has not been completed.