

LOS OSOS GROUNDWATER BASIN, BASIN MANAGEMENT COMMITTEE

NOTICE OF SPECIAL MEETING

NOTICE IS HEREBY GIVEN that the Los Osos Groundwater Basin, Basin Management Committee Board of Directors will hold a **Special Board Meeting** at **1:30 P.M.** on **Wednesday, June 12, 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, June 12, 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

The BMC has a new 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. No special presentation.

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 May 15th, 2024 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. **Presentation of Final Draft 2023 Annual Monitoring Report**

Recommendation: Receive the Final Draft 2023 Annual Monitoring Report and authorize submission to the Court or provide alternate direction to staff.

- b. **Los Osos Basin Proposed Growth Management Ordinance Amendments Purveyor Letter**

Recommendation: Review and consider concurrence with the May 9th, 2024 Joint Letter from the Los Osos Water Purveyors to the County of San Luis Obispo Department of Planning and Building regarding the proposed draft Growth Management Ordinance implementation strategy.

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

Recommendation: Receive information on the Rose Foundation's Central Coast Community-Based Water Quality Grants and authorize preparation of an application for potential funding for a Los Osos Basin Groundwater Monitoring Improvement Project.

10. ADJOURNMENT

TO: Los Osos Basin Management Committee

FROM: Daniel Heimel, Executive Director

DATE: June 12th, 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).

Los Osos Basin Management Committee

Statement of Revenues and Expenditures

100 - BMC

From 5/1/2024 Through 5/31/2024

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget \$ - Original</u>	<u>Total Budget \$ Variance - Original</u>	<u>Percent Total Budget Remaining - Original</u>
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	27,646.25	75,000.00	47,353.75	63.14%
5020	0.00	1,690.00	1,690.00	0.00	0.00%
5030	0.00	2,504.24	6,300.00	3,795.76	60.25%
5040	0.00	455.00	20,000.00	19,545.00	97.72%
5050	0.00	400.00	2,000.00	1,600.00	80.00%
5060	0.00	0.00	15,000.00	15,000.00	100.00%
5070	0.00	29,072.60	64,000.00	34,927.40	54.57%
5080	0.00	65,415.00	68,000.00	2,585.00	3.80%
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>127,183.09</u>	<u>336,990.00</u>	<u>209,806.91</u>	<u>62.26%</u>
	<u>0.00</u>	<u>127,183.09</u>	<u>336,990.00</u>	<u>209,806.91</u>	<u>62.26%</u>
Net Revenue Over Expenditures	<u>0.00</u>	<u>226,656.91</u>	<u>16,850.00</u>	<u>209,806.91</u>	<u>1,245.14%</u>

Los Osos Basin Management Committee

Balance Sheet
As of 5/31/2024

		Current Period Balance
Assets		
Current Assets		
Cash & Cash Equivalents		
General Checking Account	1012	<u>223,446.91</u>
Total Cash & Cash Equivalents		<u>223,446.91</u>
Total Current Assets		<u>223,446.91</u>
Total Assets		<u><u>223,446.91</u></u>
Liabilities		
Short-term Liabilities		
Accounts Payable		
Vendor Payable (Control Account)	2000	<u>0.00</u>
Total Accounts Payable		<u>0.00</u>
Total Short-term Liabilities		<u>0.00</u>
Total Liabilities		<u>0.00</u>
Net Assets		
Current YTD Net Income		
REVENUES		353,840.00
EXPENDITURES		(127,183.09)
EQUITY		
Fund Balance	3200	<u>(3,210.00)</u>
Total EQUITY		<u>(3,210.00)</u>
Total Current YTD Net Income		<u>223,446.91</u>
Total Net Assets		<u>223,446.91</u>
Total Liabilities and Net Assets		<u><u>223,446.91</u></u>

Los Osos Basin Management Committee
Reconcile Cash Accounts

Summary

Cash Account: 1012 General Checking Account
Reconciliation ID: Bank Account Reconciliation 05312024
Reconciliation Date: 5/31/2024
Status: Locked

Bank Balance	262,006.11
Less Outstanding Checks/Vouchers	38,559.20
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	223,446.91
Balance Per Books	<u>223,446.91</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 05312024
Reconciliation Date: 5/31/2024
Status: Locked

Outstanding Checks/Vouchers

<u>Document Number</u>	<u>Document Date</u>	<u>Document Description</u>	<u>Document Amount</u>	<u>Payee</u>
0012	5/22/2024	System Generated Check/Voucher	8,063.75	CONFLUENCE ENGINEERING SOLUTIONS, INC.
0013	5/22/2024	System Generated Check/Voucher	30,189.20	CLEATH-HARRIS GEOLOGISTS, INC.
0014	5/22/2024	System Generated Check/Voucher	306.25	Robert Stilts, CPA
Outstanding Checks/Vouchers			<u>38,559.20</u>	

Los Osos Basin Management Committee
Reconcile Cash Accounts

Detail

Cash Account: 1012 General Checking Account
Reconciliation ID: Bank Account Reconciliation 05312024
Reconciliation Date: 5/31/2024
Status: Locked

Cleared Checks/Vouchers

<u>Document Number</u>	<u>Document Date</u>	<u>Document Description</u>	<u>Document Amount</u>	<u>Payee</u>
0007	4/17/2024	System Generated Check/Voucher	400.00	AGP VIDEO, INC
0008	4/17/2024	System Generated Check/Voucher	5,706.25	CONFLUENCE ENGINEERING SOLUTIONS, INC.
0009	4/17/2024	System Generated Check/Voucher	29,099.40	CLEATH-HARRIS GEOLOGISTS, INC.
0010	4/17/2024	System Generated Check/Voucher	455.00	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION
0011	4/17/2024	System Generated Check/Voucher	700.00	Robert Stilts, CPA
Cleared Checks/Vouchers			<hr/> 36,360.65 <hr/> <hr/>	

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
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				130,390.59

BASIN MANAGEMENT COMMITTEE BOARD OF DIRECTORS

Agenda Item 6b: Minutes of the Meeting of May 15, 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 1:30 PM (00:00:00).
2. Roll Call	Daniel Heimel, Executive Director, called roll to begin the meeting. Director Gibson, Director Zimmer, and Director Cesena were present (00:00:15).
3. Pledge of Allegiance	(00:00:30)
4. Board Member Comments	<u>Board Discussion</u> (00:01:00) None <u>Public Comment</u>
5. Special Presentation	None. <u>Public Comment</u> <u>Board Discussion</u>
6. Consent Agenda 6a. 2024 Budget Update and Invoice Register 6b. Approval of Minutes from March 20th, BMC Meeting	Presentation of the bank accounting information from the Executive Director and BMC Accountant (00:01:30) <u>Board Discussion</u> (00:06:00) <u>Public Comment</u> (00:06:30) <u>Board Action on Consent Agenda</u> (00:06:45) Approval of Consent Agenda. Motion: Director Gibson Second: Director Cesena Ayes: All Nays: None Abstain: None
7. Public Comments on Items Not Appearing on the Agenda	<u>Public Comment</u> Patrick McGibney (00:07:20) Linde Owen (00:10:45) Becky McFarland (00:12:30) Emily Miggins (00:16:30) Richard Margetson (00:19:45) <u>Board Discussion</u> (00:21:00) <u>Public Comment</u> Ron Smith (00:40:15)

<p>8. Executive Director's Report</p>	<p><u>Executive Director's Report</u> (00:42:00)</p> <p><u>Public Comment</u> Patrick McGibney (00:47:00) Linde Owen (00:48:45) Emily Miggins (00:50:30)</p> <p><u>Board Discussion</u> (00:52:00)</p>
<p>9. Action Items</p>	
<p>9a. Presentation of 2023 Public Draft Annual Monitoring Report</p>	<p>Presentation of the Public Draft Annual Monitoring Report (00:56:30)</p> <p>Recommendation: Receive a presentation from Basin Management Committee (BMC) staff on the Public Draft 2023 Annual Monitoring Report (AMR) and confirm schedule for BMC to consider approval of the Final Draft 2023 AMR and submission to the Court.</p> <p><u>Public Comment</u> Deborah Howe (01:34:45) Patrick McGibney (01:36:00) Linde Owen (01:39:15) Becky McFarland (01:42:45) Emily Miggins (01:45:15)</p> <p><u>Board Discussion</u> (00:1:49:00)</p> <p><u>Board Action</u> The BMC received a presentation from Basin Management Committee (BMC) staff on the Public Draft 2023 Annual Monitoring Report (AMR) and confirmed schedule for BMC to consider approval of the Final Draft 2023 AMR (June 2024) and submission to the Court (June 30th,2024). No Board action needed.</p>
<p>9b. Update on Central Coast Regional Water Quality Control Board's investigation into the source of nitrate impacting water supply wells in the western Los Osos Valley Groundwater Basin</p>	<p>Recommendation: Receive an email update on the Central Coast Regional Water Quality Control Board's investigation into the source of nitrate impacting water supply wells in the western Los Osos Valley Groundwater Basin.</p> <p><u>Board Discussion</u> (01:55:00)</p> <p><u>Public Comment</u> Patrick McGibney (02:07:00) Linde Owen (02:08:00) Becky McFarland (02:10:30)</p> <p><u>Board Discussion</u> (02:12:45)</p> <p><u>Board Action</u> The BMC received an email update on the Central Coast Regional Water Quality Control Board's investigation into the source of nitrate impacting water supply wells in the western Los Osos Valley Groundwater Basin. No board action needed.</p>
<p>10. Adjournment</p>	<p>Meeting adjourned at approximately 3:45 PM (02:13:40). The next regularly scheduled meeting is June 19th, 2024.</p>

TO: Los Osos Basin Management Committee

FROM: Dan Heibel, Executive Director

DATE: June 12th, 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

Executive Director presented the Public Draft 2023 Los Osos Basin Annual Monitoring Report to the Los Osos Community Advisory Committee on June 23rd, 2024.

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 January 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

BMC Website: On January 10th, 2024, the BMC launched its new website hosted at: www.lososobmc.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.

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 releasing solicitations for design and construction oversight hydrogeologic support services and for drilling services to complete the modifications.

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 incorporated 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 WRF 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:

<https://www.slocounty.ca.gov/Departments/Planning-Building/Grid-Items/Community-Engagement/Communities-Villages/Los-Osos.aspx>.

Topics covered include but are not limited to:

- Types of permit applications currently being accepted for processing
- Status of the building moratorium and waitlist for undeveloped parcels in the sewer service area (still in place)
- Status of the Communitywide Habitat Conservation Plan

Los Osos Community Plan:

The California Coastal Commission is holding a hearing on the Los Osos Community Plan (LOCP) on Thursday, June 13th, beginning at 9:00 am at the Inn at Morro Bay and the LOCP is agenda item #14a. June 13th Coastal Commission Hearing Agenda where staff report, exhibits, and correspondence over the hearing can be accessed (LOCP Update is item #14a): [California Coastal Commission](#)

The reason for the June 13th Coastal Commission hearing of the LOCP and the County's next steps:

- The LOCP Update is an amendment to the Estero Area Plan (EAP) which is part of the County's Local Coastal Program. Having a Local Coastal Program in place is a requirement of the California Coastal Act for all development occurring within the Coastal Zone. The Local Coastal Program, and its elements, must be "certified" by the California Coastal Commission.
- The LOCP and the related amendments to the EAP establish the goals, policies, programs, and standards necessary to guide future land use, transportation, and development for sustainable growth in the community over the next 20 years.
- The LOCP was adopted by the County Board of Supervisors on December 15th, 2020 and submitted to the Coastal Commission for review in January 2021.
- During their review, the Coastal Commission has been analyzing the document for compliance with the California Coastal Act, specifically as it pertains to water supply and projected growth, wastewater services, and habitat protections.
- If the LOCP and EAP amendments are approved with suggested modifications (as the County is anticipating per the Coastal Commission's June 13th Staff Report recommendation), the County Board of Supervisors must take final action on the modified document(s). County staff anticipates a final action hearing in Fall 2024.

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.

In the Fall of 2024, the Planning & Building Department will be going to the Board of Supervisors to ask for a General Fund loan to begin implementing the LOHCP through land acquisition and habitat restoration projects. This will allow the Department to accrue LOHCP credits that can be issued as "certificates of inclusion" to mitigate against infrastructure and development project habitat impacts.

To see a list of frequently asked questions by the USFWS, visit this website: [Frequently Asked Questions Regarding the Final Los Osos Habitat Conservation Plan, Incidental Take Permit, and Environmental Assessment \(fws.gov\)](#)

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						
2024	Jul						
2024	Aug						
2024	Sept						
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 Summer 2024. 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 late 2024.</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: June 12th, 2024

SUBJECT: Item 9a – Presentation of Final Draft 2023 Annual Monitoring Report

Recommendations

Receive the Final Draft 2023 Annual Monitoring Report and authorize submission to the Court or provide alternate direction to staff.

Discussion

Section 5.8.3 of the Stipulated Judgment requires the preparation of an Annual Monitoring Report (AMR) for the Los Osos Basin by June 30 of each year. The AMR describes activities related to the Los Osos Basin Plan, groundwater monitoring program, and the results and interpretations of these findings. The BMC retained Cleath-Harris Geologists (CHG) to prepare the AMR for Calendar Year 2023. The Final Draft 2023 Annual Report is available at <https://www.lososobmc.org/annual-reports>, and a staff summary will be provided at the meeting.

TO: Los Osos Basin Management Committee

FROM: Dan Heibel, Executive Director

DATE: June 12th, 2024

SUBJECT: Item 9b – Los Osos Basin Proposed Growth Management Ordinance Amendments
Purveyor Letter

Recommendations

Review and consider concurrence with the May 9th, 2024 Joint Letter from the Los Osos Water Purveyors to the County of San Luis Obispo Department of Planning and Building regarding the proposed draft Growth Management Ordinance implementation strategy.

Background

On January 8, 1988, the Regional Water Quality Control Board (RWQCB) imposed a building moratorium for the "Prohibition Zone" in Los Osos (now the sewer service area), which prohibited the County of San Luis Obispo (County) from issuing any permits for new on-site sewage disposal systems (commonly called "septic" systems) within the prohibition area until a community-wide wastewater treatment plant was completed to serve the area.

In 2015, the California Coastal Commission (Coastal Commission) approved the County's Coastal Development Permit (CDP) application for the Los Osos Wastewater Project, a project to construct a sewer collection system and wastewater treatment plant to replace the septic systems in the densely developed portions of the community of Los Osos. Included in the CDP was "Special Condition 6 Wastewater Service to Undeveloped Properties" (Special Condition 6), shown below. Special Condition 6 prohibited the connection of undeveloped properties within the Wastewater service area "until the Estero Area Plan is amended to identify appropriate and sustainable buildout limits" and "conclusive evidence indicating that adequate water is available to support development" is demonstrated.

6. Wastewater Service to Undeveloped Properties. Wastewater service to undeveloped properties within the service area shall be prohibited unless and until the Estero Area Plan is amended to identify appropriate and sustainable buildout limits, and any appropriate mechanisms to stay within such limits, based on conclusive evidence indicating that adequate water is available to support development of such properties without adverse impacts to ground and surface waters, including wetlands and all related habitats.

On June 13, 2024, the Coastal Commission will be presenting Item #14a titled "San Luis Obispo County LCP Amendment NO. LCP-3-SLO-21-0028-1-Part G (Los Osos Community Plan)" at their meeting at the

Morro Bay Inn. This item is described as a “Public hearing and potential action on request by San Luis Obispo County to add a Los Osos Community Plan to the LCP’s Estero Area Plan, where the Community Plan is structured to address long-standing issues related to development constraints in that unincorporated community just south of Morro Bay, including related to water supply, wastewater services, and ESHA, and if the Commission does not take a final action, possible action to extend the deadline for final Commission action on the amendment.”

The Staff Report for the Los Osos Community Plan item describes that the staff for the County and Coastal Commission are in agreement with proposed provisions to modify the Estero Area Plan (Local Coastal Plan) to allow undeveloped lots in the Los Osos Wastewater Project Service Area to connect to the sewer system and in essence lift the moratorium on growth in the Prohibition Zone. The proposed provisions to modify the Estero Area Plan, if approved by the Coastal Commission, would allow for growth to occur within the Los Osos Urban Reserve Line at a rate of up to a maximum of 1% of the total number of residential units in the community per year. The Coastal Commission Staff Report and related documents can be found at the following link: <https://www.coastal.ca.gov/meetings/agenda/#/2024/6>

Discussion

On May 9th, 2024, the Los Osos Water Purveyors (i.e. Golden State Water Company, Los Osos Community Services District, and S&T Mutual Water Company) sent a letter to the County Department of Planning and Building regarding the County’s proposed Growth Management Ordinance implementation strategy. The letter, which is included as an attachment, outlines the purveyor’s input and support for a potential strategy for allowing growth to occur in the Prohibition Zone.

The proposed strategy, which is outlined in the letter, includes a potential framework for determining the growth rate that could occur between 0 and the 1% maximum based upon the Basin Yield Metric, which is a measure of the ratio of the estimated amount of groundwater pumped from the Los Osos Groundwater Basin (Basin) divided by the estimated Sustainable Yield of the Basin. The letter additionally identifies key elements that the Purveyors identified as critical for allowing them to provide support for the proposed strategy. These elements include:

1. Title 19 Retrofit-to-Build Program shall remain codified and continue to be enforced unless the program is determined to no longer be a necessary or appropriate component of the management strategy for a sustainable Los Osos Groundwater Basin.
2. Use of a five-year rolling average of the Basin Yield Metric for determining the rate of growth between 0 and 1%.
3. Annually, the Los Osos Basin Management Committee (BMC) will provide input to the Groundwater Sustainability Director (currently Blaine Reely), who would then provide a technical memorandum as part of the recommendation to the Board of Supervisors on any changes to the growth rate.

The Purveyors additionally emphasize in the letter that the success of the proposed framework for the growth management ordinance is tied to the agreed upon verification and monitoring processes in the amended Title 19 Ordinance and the incorporated requirement for the County to periodically, in

coordination with the BMC, evaluate the effectiveness of the water offset measures and adjust the program as necessary to achieve the targeted 2:1 water savings.

Due to the significance of the proposed changes to the current Land Use policies governing the Los Osos Basin and potential impacts to water usage, the Joint Purveyor Letter is being presented to the BMC to allow the BMC Parties as a whole the opportunity to discuss the proposed changes and consider issuing a statement of concurrence with the May 9th, 2024 Los Osos Basin Proposed Growth Management Ordinance Amendments Purveyor Letter.

Attachments

Attachment A: May 9th, 2024 Los Osos Basin Proposed Growth Management Ordinance Amendments Purveyor Letter



May 9, 2024

Cory Hahn
Division Manager, Long-Range Planning
Department of Planning and Building
County of San Luis Obispo

Subject: Proposed Growth Management Ordinance Amendments for Los Osos

Dear Mr. Hahn,

The Golden State Water Company (“GSWC”), S&T Mutual Water Company (S&T) and Los Osos Community Services District (“LOCSD”) (jointly, “Purveyors”) would like to thank the Long-Range Planning Division for their coordinated effort in developing a viable strategy to allow for safeguarded new development in Los Osos. It is our understanding that the California Coastal Commission (Commission) staff is recommending that the Commission adopt an annual 1% growth rate for the community at their June meeting. After careful evaluation, the Purveyors are in agreement with the County’s draft strategy for implementing the 1% growth rate which includes the following elements:

1. Title 19 Retrofit-to-Build Program shall remain codified and continue to be enforced unless the program is determined to no longer be a necessary or appropriate component of the management strategy for a sustainable Los Osos Groundwater Basin.
2. Using a five-year rolling average, the following safeguards and controls will be utilized to ensure the sustainability of the Los Osos Groundwater Basin.

Basin Yield Metric	Growth Rate
80%	1.0%
81%	0.8%
82%	0.6%
83%	0.4%
84%	0.2%
85%	0.0%

3. Annually, Los Osos Basin Management Committee (BMC) will provide input to the Groundwater Sustainability Director (currently Blaine Reely), who would then provide a technical memorandum as part of the recommendation to the Board of Supervisors on any changes to the growth rate.

The Purveyors would like to emphasize that the success of this proposal is tied to the agreed upon verification and monitoring processes in the amended Title 19 and the input from the BMC based on the data and results in the Annual Groundwater Monitoring Report.

Again, the Purveyors appreciate the collaborative effort between the Purveyors and the County to develop a Growth Management Ordinance implementation strategy that will ensure the sustainability of the Los Osos Groundwater Basin.

Sincerely,

DocuSigned by:

Mark Zimmer

FA92E4E8E2A0454
Golden State Water Company

DocuSigned by:

Paul M...

2776C0C5DA04438
S&T Mutual Water Company

DocuSigned by:

Si

2B020971675E463
Los Osos Community Services District

TO: Los Osos Basin Management Committee

FROM: Dan Heibel, Executive Director

DATE: June 12th, 2024

SUBJECT: Item 9c – Rose Foundation Central Coast Community-Based Water Quality Grant Opportunity

Recommendations

Receive information on the Rose Foundation’s Central Coast Community-Based Water Quality Grants and authorize preparation of an application for potential funding for a Los Osos Basin Groundwater Monitoring Improvement Project.

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.

This grant program could provide a potential opportunity for the Los Osos Basin Management Committee (BMC) to obtain outside funding to improve its groundwater monitoring program and better track water quality and water level trends in the Basin.

Grant Details

The scope of allowable projects encompasses a range of topics aimed at addressing environmental and social issues related to water resources. Projects that are preferred include those focusing on the human right to access clean water, promoting environmental justice and enhancing local capacities in this area, examining the effects of climate change on water quality, resiliency of water supplies during drought conditions, climate adaptation and mitigation efforts, are encouraged, sustainable solutions for drinking water or wastewater treatment, strategies for sustainable groundwater management, and benefits to underrepresented communities.

Both small and large grants are available. Small grants are between \$20,000 - \$50,000 and do not require match funding. Large grants are between \$100,000 - \$200,000 and require a 25% match fund. Applications are due June 28th, 2024, but Rose Foundation Staff indicated that the deadline to submit the application could be extended to July 12th, 2024. Awards are anticipated to be announced in December 2024. Awarded projects are to begin no earlier than January 1st, 2025.

Additional details regarding the Central Coast Community-Based Water Quality Grants Program is available at the following link: <https://rosefdn.org/central-coast-community-based-water-quality-grants-program/>

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 Attached A to this Staff Report. Pursuing grant funding from the program described above could provide the opportunity to obtain additional funding to complete the next monitoring program improvement project. 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 4th Street (Ramona location, 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). With the observation of increasing chloride concentrations in LA11, a new well at the Ramona location would help us better detect seawater intrusion potentially occurring in that portion of the Basin.

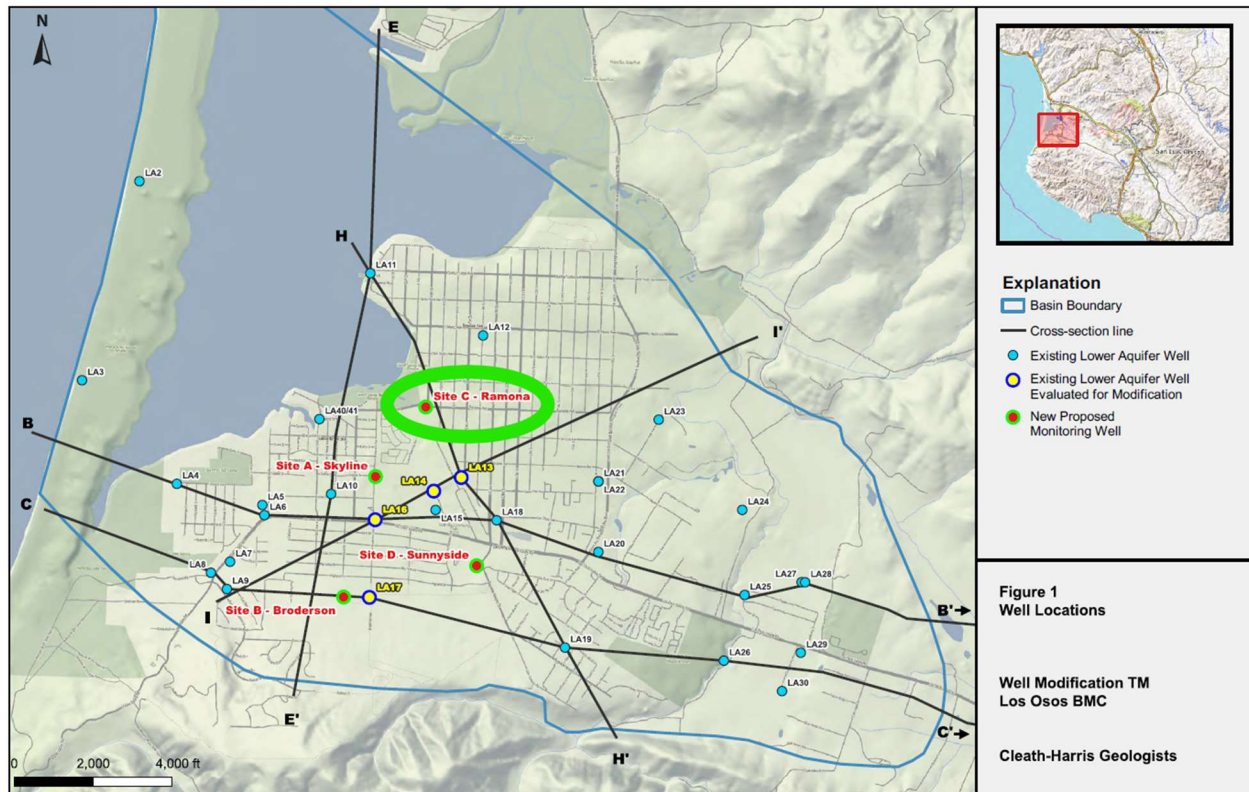


Figure 1: Ramona Location Well Site

Based on the goals and eligibility criteria for this grant program, it appears that a Ramona location lower aquifer monitoring well could be a competitive project for receiving funding. It is recommended that the BMC authorize the Executive Director to prepare a grant application for submittal to the Rose

Foundation. If awarded, the BMC would need to contribute the 25% match funding, estimated to be ~\$50,000, from its Calendar Year 2025 Budget. The current budget for monitoring program improvements in the 2024 Budget is \$70,000.

It is estimated that it would cost ~\$5,000 to prepare and submit the grant application. If desired, the BMC could authorize the use of contingency funding, currently \$16,850 available, to complete and submit the application.

Attachments

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

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

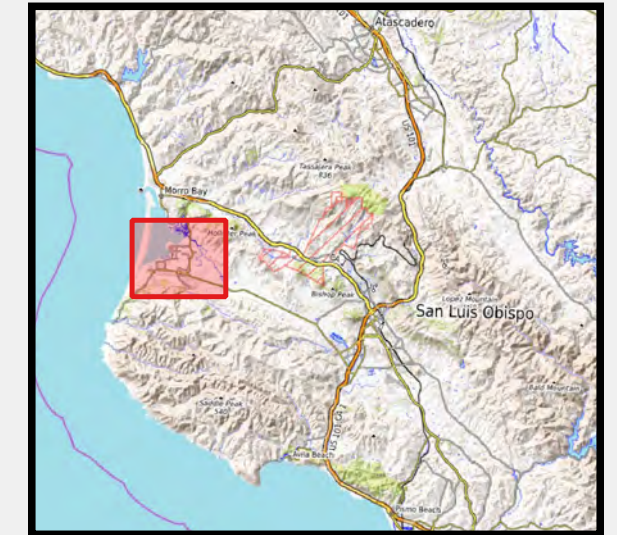
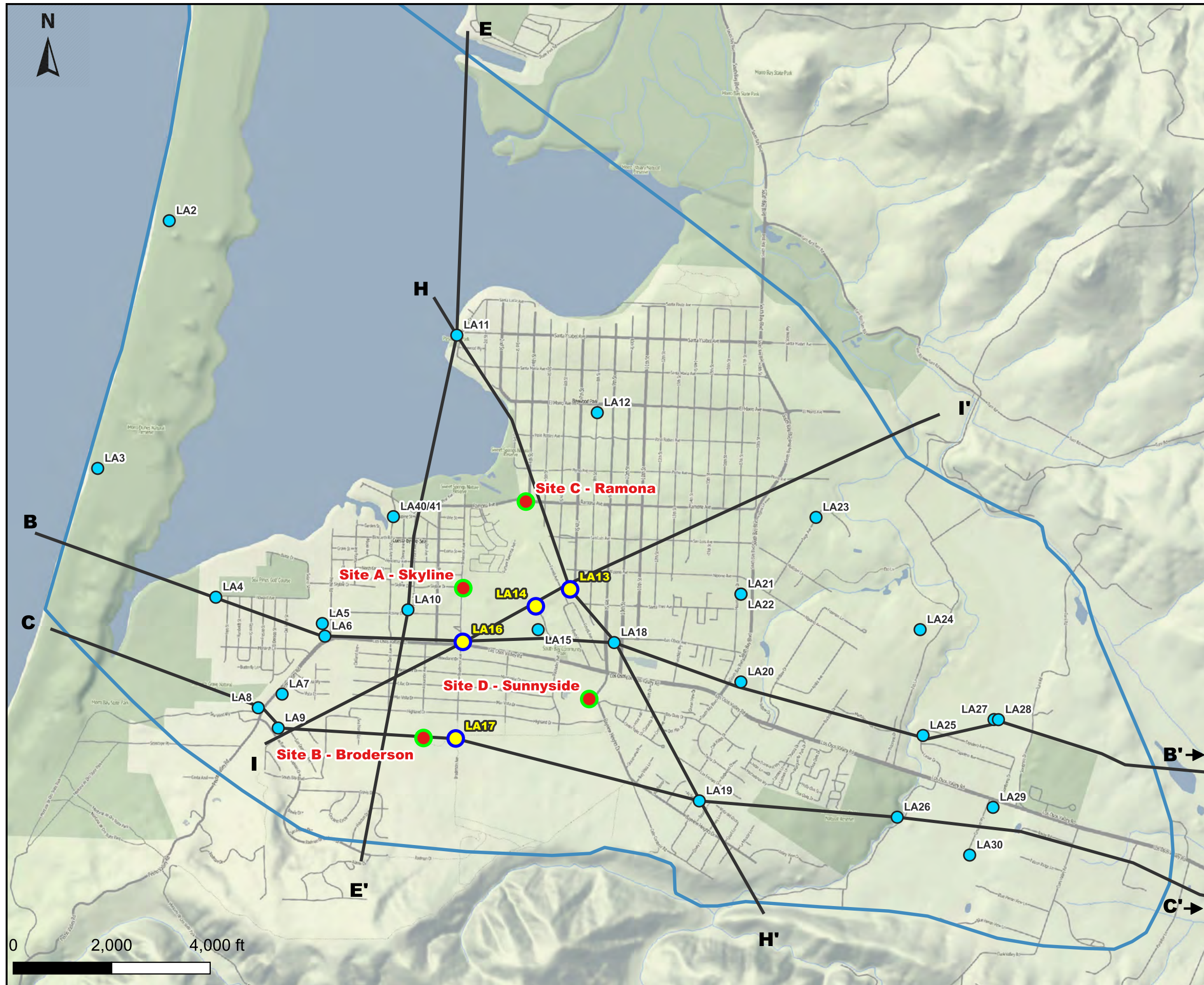
The Sunnyside well is tentatively located at Sunnyside School and, along with Site B, would monitor some of the deepest portions of Zone E. Site D would fill a gap in monitoring the Lower Aquifer southwest of downtown Los Osos.

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.

DRAFT



FIGURES



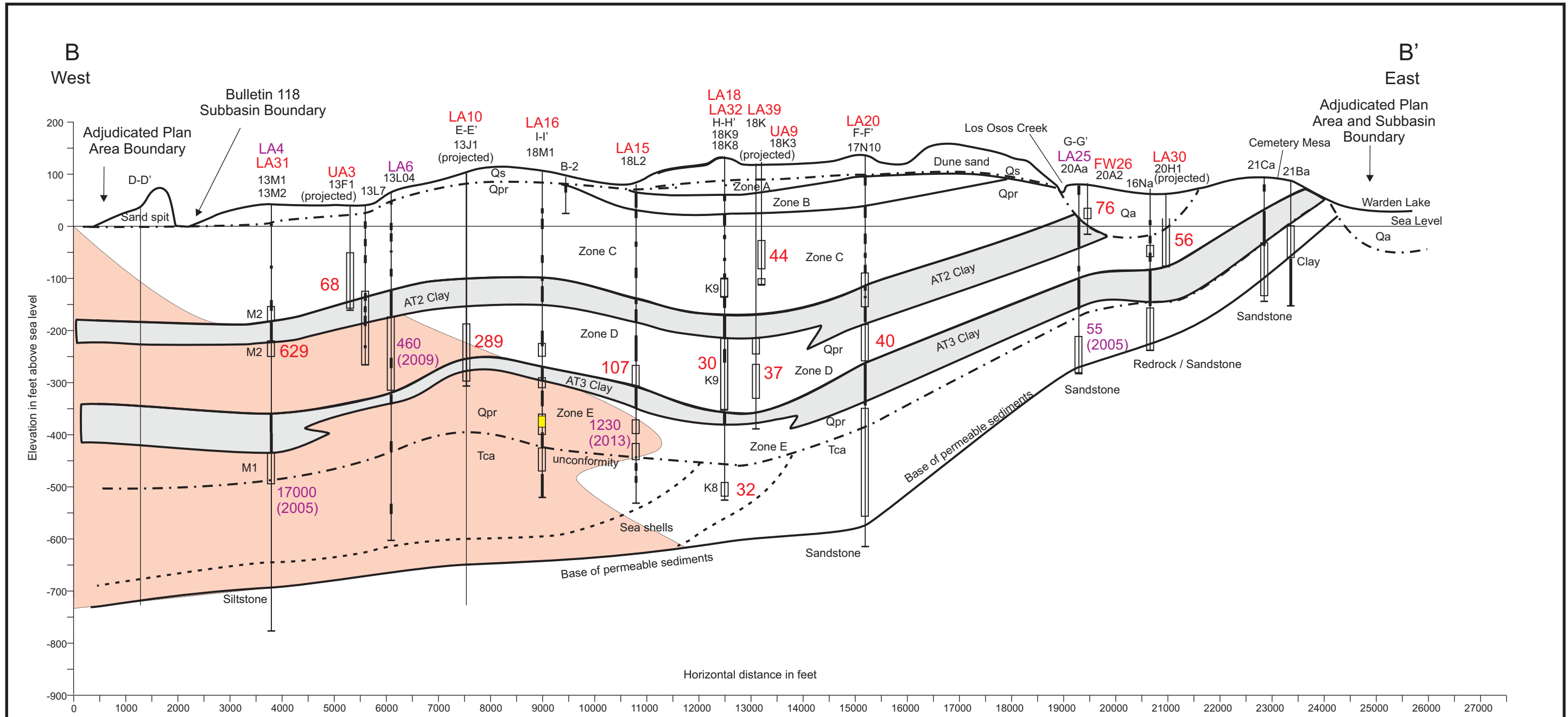
Explanation

- 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



Cross-section alignment shown in Figure 1

LA31 - LOBP Monitoring Network ID

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

Estimated extent of seawater intrusion (Fall 2021)

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

Proposed well modification to isolate screened interval at LA16 highlighted in yellow

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

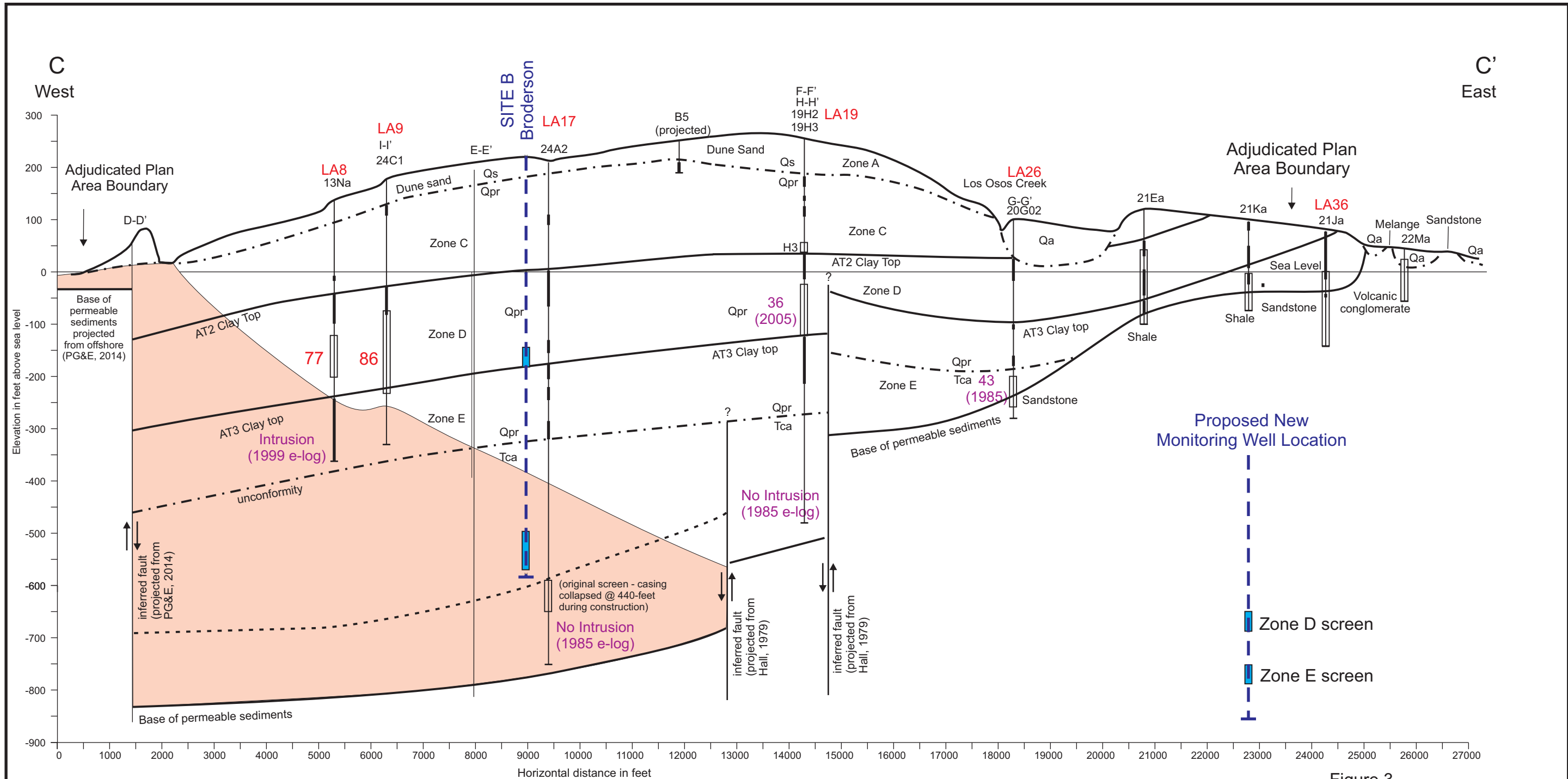
Well data point
 18M1 Well ID
 Clay layer
 Well screen
 Clay layers not shown at projected wells

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

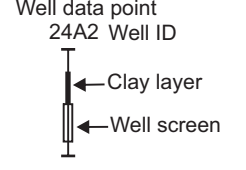
Figure 2

Seawater Intrusion Front
 Cross-Section B-B'
 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

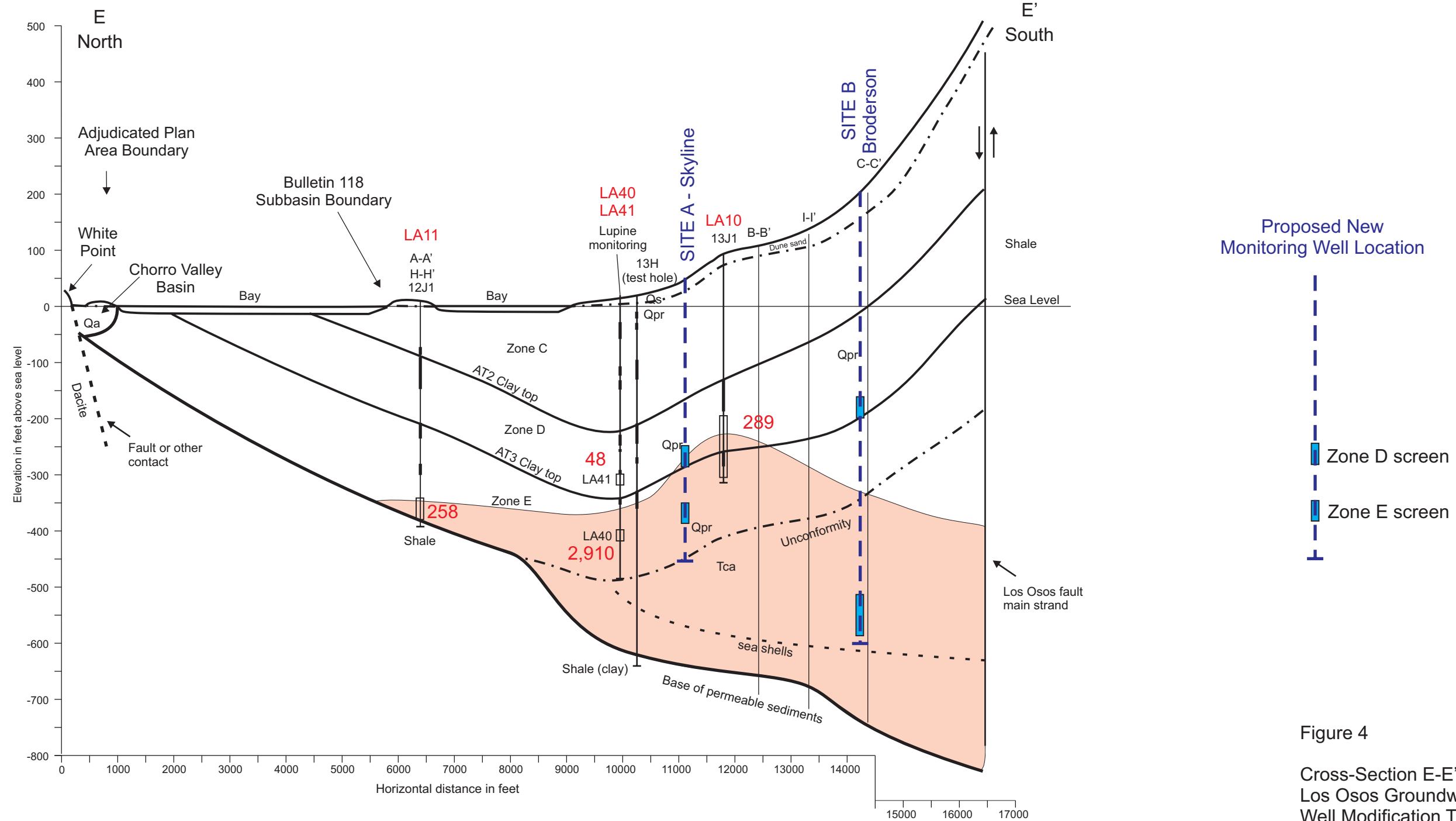
LA8 - LOBP Monitoring Network ID

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

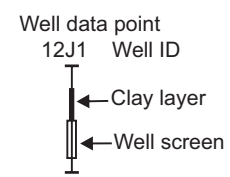
36 - Historical Chloride concentration in mg/L (year listed)

Estimated extent of seawater intrusion (Fall 2021)

Figure 3
 Cross-Section C-C'
 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

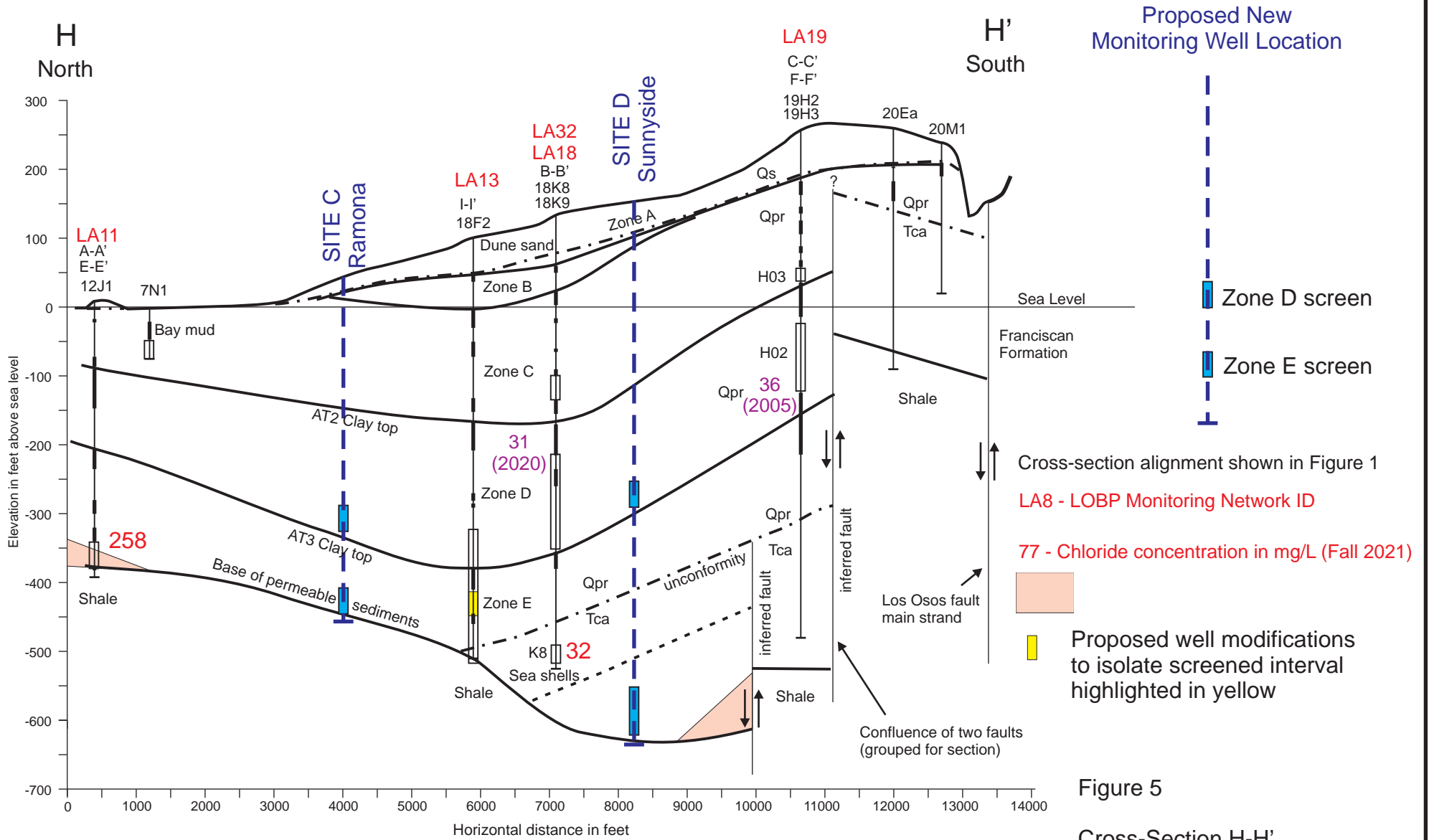
Cross-section alignment shown in Figure 1

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



Proposed New
Monitoring Well Location

Cross-section alignment shown in Figure 1

LA8 - LOBP Monitoring Network ID

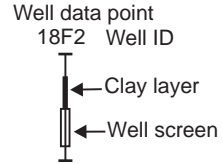
77 - Chloride concentration in mg/L (Fall 2021)

- Proposed well modifications to isolate screened interval highlighted in yellow

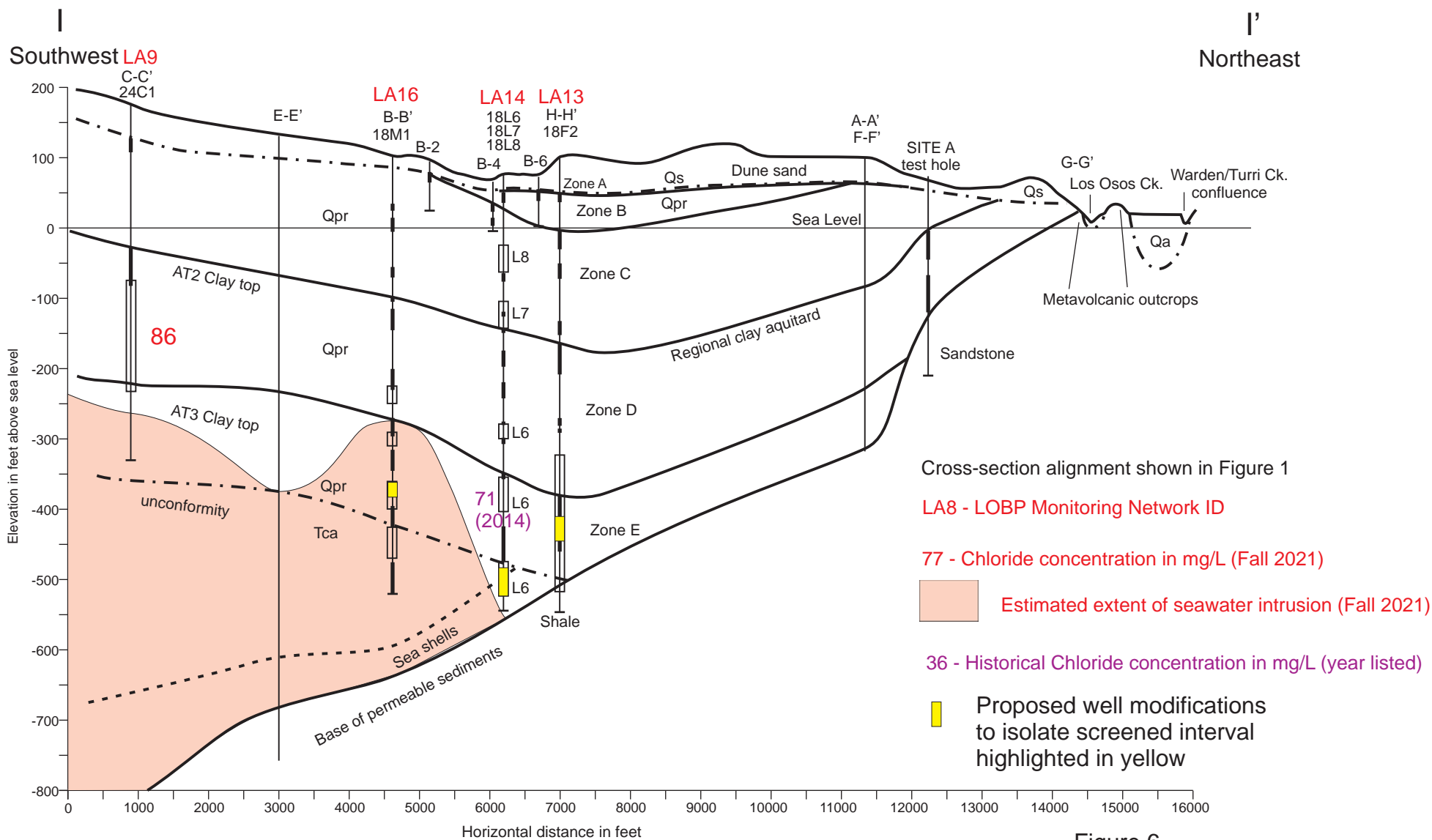
Figure 5
Cross-Section H-H'
Los Osos Groundwater Basin
Well Modification TM

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)

Well data point
18M1 Well ID
← Clay layer
← Well screen

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



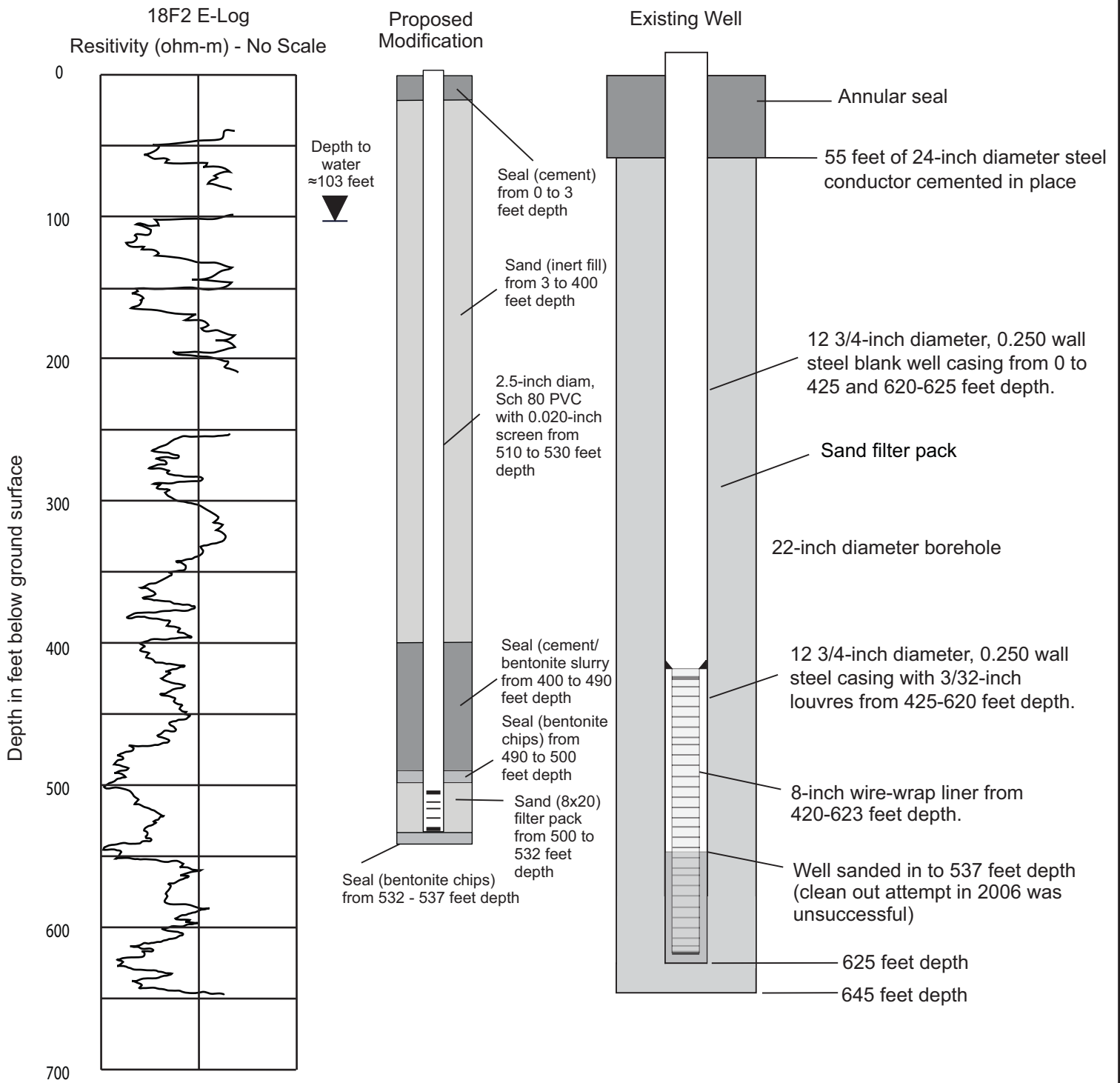


Figure 1
Well 18F2 (LA13)
Well Modification

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** Size of gravel **according to specs.**
Describe joint **welded**

(7) PERFORATIONS OR SCREEN:
Type of perforation or name of screen **LOWERS**

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

Method of sealing **2 1/2" x 1 1/4" well conductor cemented in a**

(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 **1** ft. drawdown after **1** hrs.
Temperature of water **1** 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 **75**, 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.**
(Person, firm, or corporation) (Typed or printed)

Address **Rt. 1, Box 22**
Paso Robles, Ca. 93446

[SIGNED] **R. H. Miller**

License No. **236900** Dated **9/22/75**, 19 **75**

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)



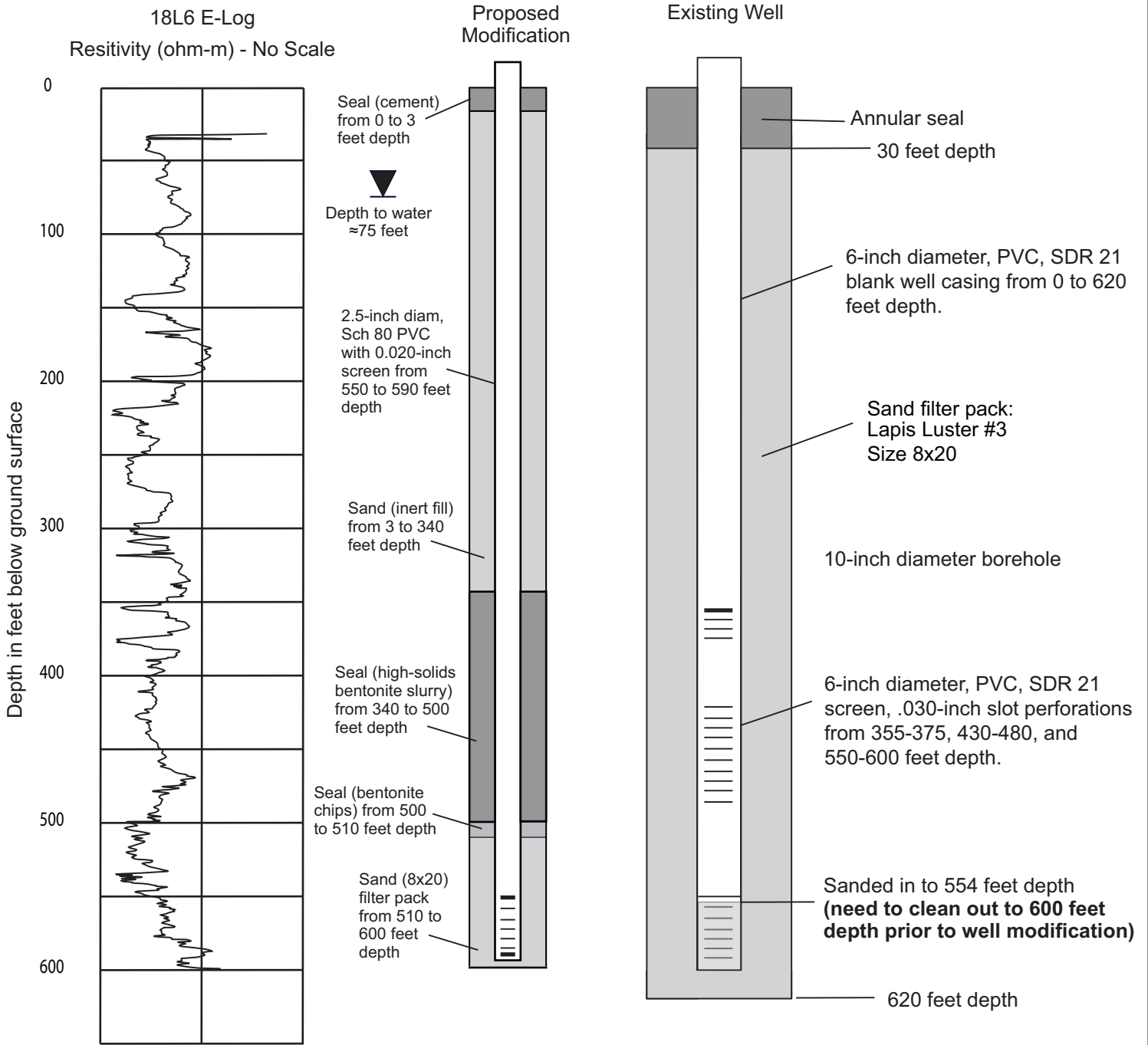


Figure 2
Well 18L6 (LA14)
Well Modification

ORIGINAL
File with DWR

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

Do not

No. 17370

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

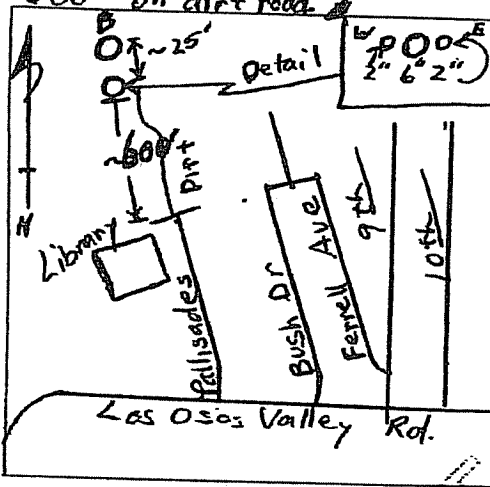
State Well No. 305/11E-1826
Other Well No. Lib Palisades

(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

NOT FOR PUBLIC USE 13752

(5) EQUIPMENT:
Rotary Reverse
Cable Air
Other Bucket

(6) GRAVEL PACK: Leptis & Steel
Yes No Size 20-20
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	605	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)



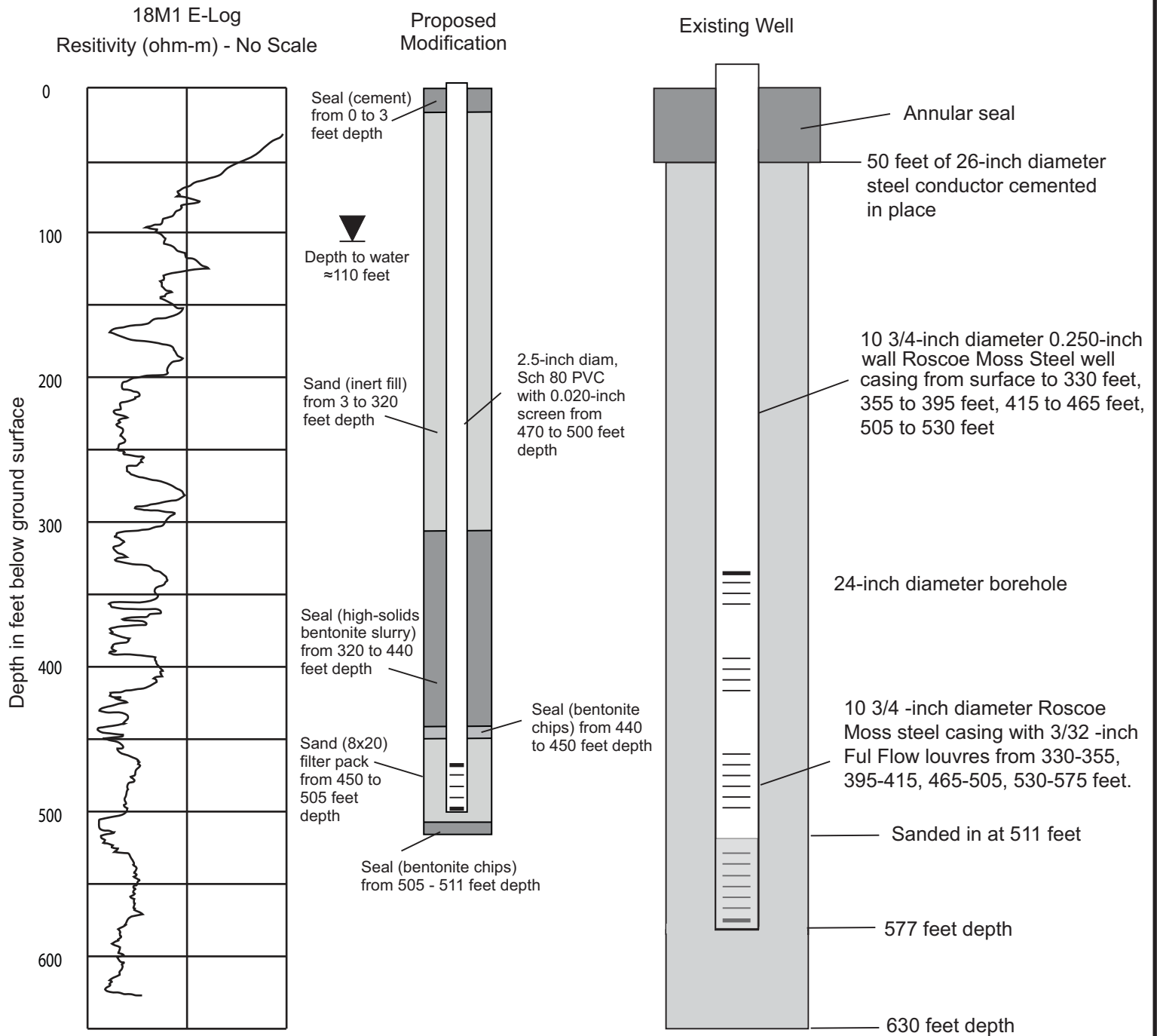


Figure 3
Well 18M1 (LA16)
Well Modification

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

given to county Licensed
Broderson/LWR Contractors

1337 West Betteravia Road Phone WAInut 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 Log #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	
"	70	"	110	"	Fine brown sand
"	110	"	160	"	Reddish brown sand and sandy clay
"	160	"	165	"	Brown sand and sandy clay
"	165	"	245	"	Brown sand
"	245	"	265	"	Brown sandy clay with strips of fine sand
"	265	"	275	"	Brown clay with sand and gravel
"	275	"	295	"	Brown sandy clay with small amount of gravel
"	295	"	328	"	Fine sand and sandy clay
"	328	"	338	"	Sandy brown clay with sand strips
"	338	"	350	"	Brown sandy clay with sand and gravel
"	350	"	372	"	Brown sandy clay with sand strips
"	372	"	392	"	Sand and gravel with clay
"	392	"	402	"	Brown sandy clay with sand and small amount gravel
"	402	"	420	"	Fine sand and sandy clay
"	420	"	436	"	Sandy brown clay with sand strips
"	436	"	460	"	Blue and brown sandy clay
"	460	"	477	"	Brown sandy clay with sand strips
"	477	"	490	"	Brown sandy clay with sand and gravel
"	490	"	495	"	Brown sandy clay with sand and small amount gravel
"		"		"	Brown sandy clay

- continued -

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

Formation

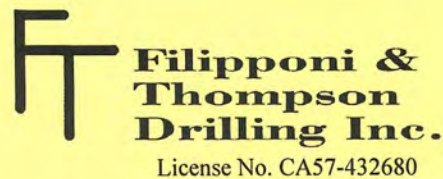
From	495	to	525	feet	Black clay and blue clay with fine sand
"	525	"	536	"	Brown sandy clay and fine sand
"	536	"	562	"	Sand and gravel with small amount of clay
"	562	"	570	"	Blue and brown sandy clay and gravel
"	570	"	630	"	Brown sandy clay and gravel



APPENDIX B

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

Filipponi & Thompson Drilling, Inc.
 PO Box 845
 Atascadero, CA 93423



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

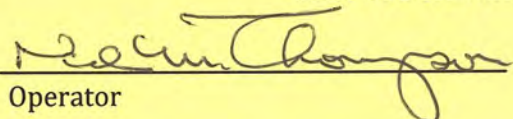
Project
LA13 (30S/11E-18F2)

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.

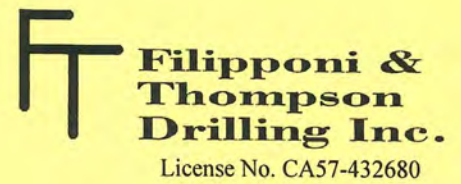

 Operator

Signature

Date

I ACCEPT THE ABOVE OFFER

Filipponi & Thompson Drilling, Inc.
 PO Box 845
 Atascadero, CA 93423



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@losososcscsd.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

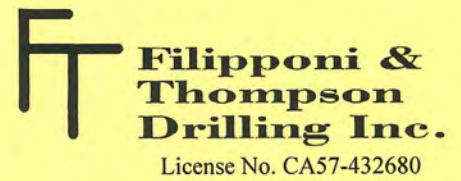
THIS OFFER WILL EXPIRE AFTER 30 DAYS UNLESS ACCEPTED.

Operator _____

Signature _____ Date _____

I ACCEPT THE ABOVE OFFER

Filipponi & Thompson Drilling, Inc.
 PO Box 845
 Atascadero, CA 93423



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

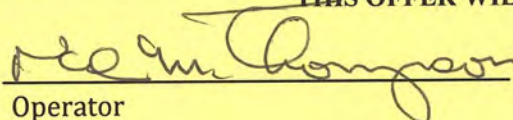
DATE	ESTIMATE #
6/2/2022	1277

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