

BOARD OF DIRECTORS Regular Meeting Agenda August 6th, 2024, 6:30 p.m. Board Room 19039 Bay Street, El Verano (707) 996-1037

Board of Directors

Jon Foreman, President Gary Bryant, Vice President Steven Caniglia Steve Rogers Colleen Yudin-Cowan

PUBLIC NOTICE

Members of the public may participate in this open, public meeting in person.

Time will be provided for public comment. Any member of the public wishing to speak will be allowed 3 minutes to make a statement. Board President will call for comments prior to the Board deliberating on pending action. However, please note that no action can be taken on any item unless printed on the agenda and included with the meeting notice. Therefore, any item discussed by members of the public and not shown on the agenda will only be received for information. The Board of directors may choose to set such item for future discussion and staff report. A full agenda packet is available at the District office for public view. A fee may be charged for copies. During the meeting, information and supporting materials are available in the Boardroom. District facilities and meetings comply with the Americans with Disabilities Act. If special accommodations are needed, please contact the District as soon as possible, but at least two days prior to the meeting.

All open meetings are recorded. Recordings for each meeting are retained for a minimum of 90 calendar days and may be heard upon request, at no cost. Please contact a member of the District staff for assistance. ITEMS ON THIS AGENDA MAY BE TAKEN OUT OF THE ORDER SHOWN.

Any writings or documents provided to a majority of the Board regarding any item on this agenda will be made available for public inspection in the VOMWD office located at the above address during normal business hours.

1. CALL TO ORDER – PLEDGE – ROLL CALL

2. PUBLIC COMMENTS:

This section of the agenda is provided so that the public may express comments on any item within the District's jurisdiction not listed on the agenda. Board members can ask questions for clarification, respond to statements or questions from members of the public, refer a matter to staff, or follow Board procedures to direct staff to place a matter of business on a future agenda. The public may express comments on agenda items at the time of Board consideration.

3. CONSENT CALENDAR

It is recommended by the General Manager that these items, which are expected to be routine in nature and without controversy, be received and acted upon by the Board without discussion. If any Board member or interested party requests that an item be removed from the Consent Agenda for discussion, it will be considered separately. The consent calendar may be approved by a single motion.

<u>Item 3.A</u> Minutes of the July 2nd, Board of Directors Regular Meeting

<u>Item 3.B</u> Consider Resolution No. 240801 Accepting Facilities Constructed at 18820 Sonoma Hwy, Sonoma, CA 95476, APN 056-611-082, Under a Water Facilities Installation Agreement with Homeless Action Sonoma Dated March 9, 2023

4. PUBLIC PRESENTATION, HEARING OR WORKSHOP

5. FINANCE, ADMINISTRATIVE & OPERATIONAL REPORTS

<u>Item 5.A</u> Monthly Financial Reports & Disbursements
Staff Recommendation: Receive, and approve by roll call vote, the monthly financial reports & disbursements for the month of June 2024 in the amount of \$611,653.30

Item 5.B Administrative Report

<u>Item 5.C</u> Water Source Report

<u>Item 5.D</u> Operational Updates

6. DIRECTORS' & COMMITTEE REPORTS

7. GENERAL MANAGER'S AND DISTRICT COUNSEL'S REPORTS

<u>Item 7.A</u> August 5th Water Advisory Committee (WAC) and Technical Advisory Committee (TAC) Meeting Update

8. DISCUSSION AND ACTION (GENERAL BUSINESS)

- <u>Item 8.A</u> Consider Resolution No. 240802 Amending the District's Fiscal Year 2024/2025 Budget by Reallocating Funds from Project 2987-1 (Design Funding for Chestnut Well), to Update the District's Water Master Plan Prioritized CIP List
- <u>Item 8.B</u> Discuss SB 1255 and Consider Joining the Association of California Water Agencies (ACWA) Coalition to Oppose the Bill by Directing Staff to Fill Out the Online Form
- Item 8.C Adopt Resolution No. 240803, authorizing a Water Facilities Installation Agreement between Valley of the Moon Water District and Kate & Arthur Ringness for a Mainline Extension of 324 feet of 6" Pipe, 1" Service Line, 1" Meter, and 1" RP Backflow Preventer at 18661 Lomita Ave, Sonoma, CA 95476, APN 127-072-014
- <u>Item 8.D</u> Consider Updating the Delegation of Authority Form on File with CalPERS

9. CLOSED SESSION

10. REQUEST FOR FUTURE AGENDA ITEMS

11. ADJOURNMENT

The next scheduled Board meeting is a regular meeting at 6:30 p.m. on September 3^{rd} , 2024. Posted this 1^{st} day of August online and in three public places.

Amanda Hudson
Amanda Hudson, Board Secretary

VALLEY OF THE MOON WATER DISTRICT BOARD OF DIRECTORS

REGULAR MEETING MINUTES
July 2, 2024

A Regular Meeting of the Board of Directors of the Valley of the Moon Water District was held on July 2, 2024. Members of the public were provided the opportunity to participate in this open, public meeting in person.

1. CALL TO ORDER - PLEDGE OF ALLEGIANCE - ROLL CALL

President Foreman called the meeting to order at 6:30 P.M. PST.

Roll Call by **Secretary Hudson** noted the following present:

Directors: Gary Bryant

Steven Caniglia Jon Foreman Steve Rogers

Colleen Yudin-Cowan

District Counsel: Maxwell Blum

District Personnel: Clayton Church, Water System Manager

Matthew Fullner, General Manager

Amanda Hudson, Administration Manager

Public: See sign-in sheet

2. PUBLIC COMMENTS

None

3. CONSENT CALENDAR

Item 3.A Minutes of the June 4th, Board of Directors Regular Meeting

President Foreman said there was a typo in the spelling of his name in the minutes after Item 8.C.

Director Rogers made a motion, seconded by **Director Bryant**, to approve the Consent Calendar as amended.

The motion passed unanimously by voice vote.

4. PUBLIC PRESENTATION, HEARING OR WORKSHOP

5. FINANCE, ADMINISTRATIVE & OPERATIONAL REPORTS

<u>Item 5.A</u> Monthly Financial Reports & Disbursements

Staff Recommendation: Receive, and approve by roll call vote, the monthly financial reports & disbursements for the month of May 2024 in the amount of \$585,686.37

Director Rogers asked when the subsequent audits will be completed. **General Manager Fullner** said the letter states they will be completed in the next three to four months.

President Foreman asked why there are bank charges of over \$400 a month when the bank balance is high without much interest. General Manager Fullner said the bank fees do seem higher than they need to be. Finance Manager Madrigal is looking into other banking options.

Administration Manager Hudson said that the balance is currently higher in that account due to large payments coming out at the beginning of the fiscal year. Also, the bank fees are for services provided by the bank which is independent of account balance.

Director Rogers asked if staff looked into a courier service. **Administration Manager Hudson** said those are fees being looked into, but check scanning seemed like a more cost-effective option.

Director Rogers asked about the miscellaneous income line and asked if there were auctioned trucks. **Administration Manager Hudson** said a large part of that line was from the Prop 1 Grant. **General Manager Fullner** said the last time trucks were surplussed was approximately over a year ago.

Director Rogers asked if the \$500,000 still in the Park Well CIP project is excess. **General Manager Fullner** said that is rollover that is needed to complete the well once the Feasibility Study portion is complete.

Director Bryant made a motion, seconded by **Director Yudin-Cowan**, to receive and approve by roll call vote, the monthly financial reports & disbursements for the month of May 2024 in the amount of \$585,686.37

A roll call vote was taken:

Director BryantAyeDirector CanigliaAyeDirector ForemanAyeDirector RogersAyeDirector Yudin-CowanAye

Ayes 5 Noes 0 Absent 0 Abstain 0

<u>Item 5.B</u> Administrative Report

<u>Item 5.C</u> Water Source Report

Director Rogers asked if the water coming into the system and out of the system is being checked. **General Manager Fullner** said yes, that staff are using the annual water audit to determine that and were given Board direction to present on this annually. Also, a billing audit is in the budget this year. **Director Rogers** asked when the audit is completed. **Administration Manager Hudson** said the report is submitted in December for the fiscal year. The report may be given at the January meeting.

<u>Item 5.D</u> Operational Updates

6. DIRECTORS' COMMITTEE REPORTS

<u>Item 6.A</u> June 17th Sonoma Valley Groundwater Sustainability Agency Board Meeting Update

President Foreman asked if the District will be making a lower payment for dues. **Director Rogers** said no, it is based on a five-year average. It will successively go up steeply. It will go up based on metered pumping. There are three wells in the GSA.

7. GENERAL MANAGER'S AND DISTRICT COUNSEL'S REPORTS

<u>Item 7.A</u> July 1st Technical Advisory Committee (TAC) Meeting Update

General Manager Fullner gave the following update from the July 1st TAC meeting:

Recap and Update on the Point Fire:

Sonoma Water was fortunate through the fire, that none of its facilities were directly threatened. None of the Lake Sonoma watershed burned, but about 1-2% of the Dry Creek watershed did burn. This constitutes less than 0.5% of the total Russian river watershed, so water quality is not expected to be impacted.

The Emergency Training and Coordination Subcommittee of the TAC was kept up to date on the fire, and would have been called to action if needed, by activating EOCs. Sonoma Water is currently developing an SOP for the notification and activation of the Subcommittee.

Water Supply Conditions and Temporary Urgency Change Order:

Lake storage as of 7/1/24:

Lake Sonoma: 253K AF - the lake is still in the flood control pool, so the Corps is managing releases

Lake Mendocino: 94K AF

2024 Water Production Relative to 2013 Benchmark:

May 2024 to March 2013, the contractors have reduced consumption by 31%, and the District has reduced by 37%

YTD: the contractors have saved 28% and the District has reduced consumption by 44%.

Biological Opinion Status Update:

Construction on Phases IV, and V is underway as of June 15th and it is expected that the work will be completed this year before construction must stop on October 15th. It is looking less likely that Phase VI will ever be constructed due to the ROW issues. Sonoma Water is hoping that the new Biological Opinion will not require construction in the same area and will instead open up new areas for consideration. NMFS has indicated that the updated Biological Opinion will be issued by the end of August.

The fish traps have been pulled out. The "out-migration" of fish is very low this year. Apparently, this is the case up and down the coast.

Eel Russian Project Authority and Potter Valley Project Update:

The BoR grant for taking the diversion design from 30% to 60% has now been executed. The RFP for design services has been released.

PG&E was successful in requesting its time extension for the surrender plan from FERC. As a result of the extension, there is little for the ERPA to discuss currently, so the possible meeting in July has been tentatively canceled pending a needed action item.

Communications Update:

ACWA Region 1 will be hosting a tour of the Marin watershed on October 31st. More details to follow.

8. DISCUSSION AND ACTION (GENERAL BUSINESS)

<u>Item 8.A</u> Consider Adopting Resolution No. 240701 Amending the District's Purchasing Policy Consistent with the California Uniform Public Construction Cost Accounting Act ("Act") Procedures

Director Rogers said that the way the policy is written, the Board's authority over contracting over \$200,000 does not require Board to sign off.

General Manager Fullner said that can be amended to say in section 3.3.2 that award of contracts up to \$150,000 may be approved by the General Manager.

Director Rogers asked about the section that says all contracts must be prevailing wage. **District Counsel Blum** said the edits should be removed; more legal analysis is needed before making these edits. **General Manager Fullner** said the edits on section 4.5 would be stricken from the update.

Director Yudin-Cowan made a motion, seconded by **Director Rogers**, to approve and adopt as amended Resolution 240701, approving the recommended revisions to the District's Purchasing Policy in accordance with Act procedures.

A roll call vote was taken:

Director BryantAyeDirector CanigliaAyeDirector ForemanAyeDirector RogersAyeDirector Yudin-CowanAye

Aves 5 Noes 0 Absent 0 Abstain 0

<u>Item 8.B</u> Consider Authorizing and Directing the General Manager to Write a Letter of Support for a Grant Application Sought by Sonoma County Water Agency to Implement Mussel Prevention Inspections at Lake Sonoma and Lake Mendocino

Director Bryant asked how much will it cost the District. General Manager Fullner said up to \$3 million divided by 10% over a period of years. President Foreman asked if it's true if they do not get the infusion of money they will still need to spend it to keep the mussels out. General Manager Fullner said that it is a critical need and they will likely end up spending more. The grant will likely provide a more robust plan earlier. Those actions will help keep the mussels out. The additional O&M costs of mussels in a system is very expensive.

President Forman asked the Board if they were in favor of authorizing and directing the General Manager to write a letter of support for a grant application sought by Sonoma County Water Agency to implement mussel prevention inspections at Lake Sonoma and Mendocino.

The motion passed unanimously.

9.	CLOSED SESSION			
----	----------------	--	--	--

10. REQUEST FOR FUTURE AGENDA ITEMS

11.	ADJOURNMENT								
President Foreman adjourned the meeting at 7:08 P.M. PST.									
Amano	da Hudson, Board Secretary	Jon Foreman, Board President							

August 6, 2024 Item: 3.B

MEMORANDUM

TO: Valley of the Moon Water District Board of Directors

FROM: Matt Fullner, General Manager

SUBJECT: Consider Resolution No. 240801 Accepting Facilities Constructed at 18820 Sonoma

Hwy, Sonoma, CA 95476, APN 056-611-082, Under a Water Facilities Installation

Agreement with Homeless Action Sonoma Dated March 9, 2023

Background:

Homeless Action Sonoma entered into a Water Facilities Installation Agreement with the District on March 9, 2023, to construct a fire service line, domestic service and dedicated irrigation line to serve the development of a homeless shelter at the above referenced location. The work has since been carried out and passed inspection by District staff.

Recommendation:

- 1. Adopt Resolution No. 240801 accepting the facilities outlined as District Property; and
- 2. Direct staff to send the Resolution and Notice of Completion to the County Recorder's office for recordation

Attachment:

- Recordation packet including:
 - o Transmittal Letter
 - Recording Coversheet
 - o Resolution No. 240801
 - o Developer's Notice of Completion



VALLEY OF THE MOON WATER DISTRICT

A Public Agency Established in 1962 19039 Bay Street · P.O. Box 280 El Verano, CA 95433-0280 Phone: (707) 996-1037 Fax: (707) 996-7615

July 2, 2024

County Clerk-Recorder Office 585 Fiscal Drive Room 103 Santa Rosa, CA 95403

Re: Resolution Accepting Facilities and Notice of Completion for 18820 Sonoma Hwy, Sonoma, CA 95476, APN 056-611-082

Enclosed for filing in your office are the following documents. Please record them in the following order:

- Resolution
- Notice of Completion

The Notice of Completion is for water service laterals only, that are located in the State Highway right of way or existing District Easement.

Please record these documents and return them to our office at the above address, waiving the fees per the appropriate Government Code referenced.

T 7	
1/	10

	Will Call
	Hand Deliver
X	1 st Class Mail
	Federal Express
	UPS
	Express

Transmitted:

	As Requested
	For Approval
	For Your Use
	For Review & Comment
X	For Processing
	Other

Thank you,

Amanda Hudson Administration Manager

Recording Requested By:	
And When Recorded Mail To:	
	Document Title(s)
Reason for exemption:	
☐ Exempt from fee per GC 273	88.1(a)(1); not related to real property
☐ Exempt from fee per GC 273	88.1(a)(1); fee cap of \$225 reached
transfer subject to the imposit	388.1(a)(2)(A) and GC 27388.2(b)(1); recorded in connection with a ion of documentary transfer tax. If not recorded concurrently, provide number of related transfer document:
Recording date	Document Number
transfer of real property tha	388.1(a)(2)(B) and GC 27388.2(b)(2); recorded in connection with a st is a residential dwelling to an owner-occupier. If not recorded ng date and document number of related transfer document:
Recording date	Document Number
☐ Exempt from fee per GC 2′ government agency	7388.1(a)(2)(D) and GC 27388.2(b)(4); executed or recorded by a

THIS PAGE ADDED TO PROVIDE ADEQUATE SPACE FOR RECORDING INFORMATION (\$3.00 Additional recording fee applies)

RESOLUTION NO. 240801

RESOLUTION OF THE BOARD OF DIRECTORS OF THE VALLEY OF THE MOON WATER DISTRICT ACCEPTING WATER FACILITIES AND PROJECT CLOSING DOCUMENTS FOR PROJECT NO. 3043.

WHEREAS, the District entered into a Water Facilities Installation Agreement with Homeless Action Sonoma dated March 9, 2023; and

WHEREAS, the Project has been completed per the Agreement and District standards.

NOW, THEREFORE, IT IS HEREBY RESOLVED by the Board of Directors of Valley of the Moon Water District, that the President and Secretary of said District be, and they hereby are, authorized and directed to accept water facilities and the project closing documents which include a Notice of Completion in accordance with said Agreement.

THIS RESOLUTION PASSED AND ADOPTED THIS 6^{TH} DAY OF AUGUST 2024, by the following votes:

Director Bryant		D.,		
Director Caniglia		Бу	President	_
Director Foreman		Ву	Secretary	_
Director Rogers			Secretary	
Director Yudin-Co	wan			
AYES	NOES	ABSENT	ABSTAIN	
meeting of the Boa	rd of Directors of nich meeting all I	f Valley of the Moon W	n was duly adopted at a regula Vater District held on the 6 th da and at which meeting a quorus	ay of
		Ву		_
			Secretary	

Recorded at the request of: VALLEY OF THE MOON WATER DISTRICT

Return to: VALLEY OF THE MOON WATER DISTRICT P.O. Box 280 El Verano, CA 95433

DEVELOPER'S NOTICE OF COMPLETION

Must be filed within ten days after completion.

NOTICE IS HEREBY GIVEN:

- 1. That on the 11th day of January, 20 24, installation of the water facilities in accordance with the Water Facilities Installation Agreement for project #3043 dated March 9, 2023, per VALLEY OF THE MOON WATER DISTRICT Standard Plans and all other applicable plans, details specification, was completed upon the hereinafter described real property.
- 2. That the name and address of the Developer & Owner giving and filing this notice is:

NAME

STREET AND NO.

CITY

STATE

ZIP

Homeless Action Sonoma

P.O. Box 482

Sonoma

CA

Owner Signature: Homeless Action

95476

- 3. That the nature of the interest of the owner in said project is fee until conveyed to and accepted by the VALLEY OF THE MOON WATER DISTRICT.
- 4. That the name of the original contractor for the work of improvements referred to above is Broderick General Engineering, Inc., 21750 Eighth Street, Suite B, Sonoma, CA 95476.
- 5. That the location of said improvements is at 18820 Sonoma Hwy, Sonoma, CA 95476, APN 056-611-082.
- 6. That the water facility improvements herein referred to are situated in the County of Sonoma, State of California, and particularly described on the Valley of the Moon Water District as-built drawings for Project #3043 on file in the offices of the Valley of the Moon Water District which included water facilities to serve APN# 056-611-082, 18820 Sonoma Hwy, CA 95476.

Read the note below before signing.

If more than one Developer, only one needs to sign personally or by an agent. The Developer or agent who signs the notice must also sign the verification below.

By: Printed Na

Sonoma

Free recording pursuant to Government Code 27383 Exempt from GC 27388.1(a)(2)(D) executed or recorded by a political subdivision of the state

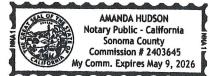
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California, County of Sonoma

Subscribed and sworn to (or affirmed) before me on this day of July 17 20 14, by

ted A Nordquist _____,proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

(Seal)



Signature Mandal Undian

Meeting Date: August 6, 2024

Agenda Item: 5.A

MEMORANDUM

TO: Valley of the Moon Water District Board of Directors

FROM: Oscar Madrigal, Finance Manager

SUBJECT: Monthly Financial Reports & Disbursements for June 2024

Revenue

- June's operating revenue was \$754,938, which was under budget by \$11,942 when periodized and over budget by \$103,757 when using a straight-line average. June operating revenue was \$159,862 more than last fiscal year.
- Overall operating revenue was under budget by \$220,201 for the fiscal year ended June 30, 2024.

Salaries

• Salaries were 7% under budget for FY2023/24. This was due to several reasons. Most notably, the first quarter's vacant Water System Operator position and the sick time buyout budgeted for O&M staff did not occur. Salaries are also periodized and consider employees' step increases and other earnings paid at specific times during the year.

Purchased Water

- Purchased water for June was over budget by \$88,048 when periodized.
- Purchased water at the end of fiscal year 2024 was under budget by \$32,677, which helped offset the revenue shortfall.
- Water deliveries increased from May to June. Well water production decreased significantly while the agency-purchased water increased.

Transfer to/from reserves

- The District transferred the budgeted \$682,323 for the annual O&M allocation to CIP.
- There is no annual budgeted transfer amount from undesignated reserves to O&M this fiscal year.
- O&M was budgeted to have a surplus of 1.2 million at the end of the fiscal year. The surplus will help fund the next fiscal year's capital plan.
- The O&M budget surplus is \$1,631,884 for FY2023/24.

CIP

- YTD expenditures for CIP as of June 30, 2024, are \$2,362,269. This includes \$1,091,509 in expenditures for rollover CIP projects from FY 2022/23.
- We have provided actual amounts for the CIP projects rolling over from FY 2023/24 to FY 2024/25. The attached report shows the variance from the budgeted estimated rollover figures.

Report of Investment

- The Undesignated Reserves are positive \$920,959; this includes cash outflow of grant-funded CIP projects.
- The Undesignated Reserves are positive \$991,116 when adjusted for pending grant reimbursements.

Expenses

• Expenses without purchased water were under budget by 12%. Some expense accounts are over budget due to unforeseen costs. Total expenses are under budget by 6%.

Audit Update

• Next week, the auditors will provide the final copy of the audit report for the fiscal year ending June 30, 2021, and will present it at the September 3rd Board meeting.

Recommendation:

Receive and approve, by roll call vote, the monthly financial reports and disbursements in the amount of \$611,653.30 for the month of June.

Attachments:

Monthly Financial Disbursements
Board of Directors Disbursements
Monthly Revenue & Expense Comparison Report
Report of Investments
Capital Improvement Project Summary
Capital Improvement Project – ASR Well Reports
Capital Improvement Project – Roll-Over Variance

VALLEY OF THE MOON WATER DISTRICT

Monthly Financial Disbursements
June 2024

The following demands made against the District are listed for approval and authorization to pay, in accordance with Section 31302 of the California Water Code, being a part of the County Water District Law:

CK # Vendor Name	Invoice Description	Amoun
41175 AFLAC	AFLAC PREMIUM (MAY)	1,296.82
41176 AT&T	TELEPHONE - ADMIN OFFICE 04/22/24-05/21/24	56.69
41177 GIA BORELLI	WASHING MACHINE REBATE - 17359 BUENA VISTA	50.00
41178 CAL-WEST RENTALS INC.	TRACK LOADER - RENTAL	979.4
41179 CERVANTES LANDSCAPE, LLC	LANDSCAPING SERVICES (MAY)	180.0
	• •	
41180 CINTAS	AED LEASE AGREEMENT	230.5
41181 DEWITT'S TIRE & BRAKE	FLAT REPAIR	40.0
41182 EDWARD DUFAULT	WASHING MACHINE REBATE - 17231 VAILETTI DR	50.0
41183 EKI ENVIRONMENT & WATER	ALTIMIRA FIRE FLOW PROJ; CHESTNUT EXPL WELL; WELL NO.11; PARK/VERANO WELL ASR; AQUIFER STORE/RECOV	47,591.9
41184 JON L. FOREMAN	REIMBURSEMENT - TRAVEL TO WAC/TAC MEETING	28.2
41185 FRIEDMAN'S HOME IMPROVEMENT	PRESSURE ZONE 3D FF IMPROV; TANK SITE SOLAR UPGRADE; EMERGENCY PREP; BUILDING; SRVC REPLACE-PRTS/MTRLS	1,886.6
41186 FRYE'S PRINTING, INC.	BUSINESS CARDS - WATER SYSTEM MANAGER	357.3
•		
41187 GRAINGER	EMERGENCY PREPAREDNESS - ADJ OPERATING WRENCH	97.0
41188 INFOSEND, INC	MAY STATEMENT : POSTAGE & BILL PROCESSING	2,380.7
41189 M. MASELLI & SONS, INC	TANK SITE SOLAR UPGRADE - PARTS AND MATERIALS	53.0
41190 NICK BARBIERI TRUCKING, LLC	FUEL	1,289.3
1191 O'REILLY AUTO PARTS	PARTS AND MATERIALS	136.2
11192 PACE SUPPLY CORP.	PRV MTNC;SMALL TOOLS/EQUIP;NEW TRUCK TOOLS;EMERGENCY PREP-PARTS AND MATERIALS;INVENTORY SUPPLIES	3,048.0
11193 PARSONS LUMBER & HARDWARE	BLDG.&EQUIP MTNC,TANK SITE SOLAR UPGRADE;WELLS;AMI;SRVC REPLACE;STORAGE/TANKS- PARTS & MATERIALS	529.4
11194 PLATT ELECTRIC SUPPLY	TANK SITE SOLAR UPGRADE - PARTS AND MATERIALS	396.0
1195 POLLARD WATER	EMERGENCY PREPAREDNESS - PARTS AND MATERIALS	1,130.1
1196 QUINONEZ CLEANING SERVICE	JANITORIAL SERVICES : FEBRUARY, MARCH, & APRIL 2024	1,040.0
1197 SUZANNE LARBRE	WATER PURCHASES: LARBRE WELL (MAY)	3,595.5
1198 RECOLOGY SONOMA MARIN	TRASH DISPOSAL (MAY)	554.3
1199 SAFETY-KLEEN CORP.	·	560.4
	SHOP PART WASHER MAINTENANCE	
1200 NEW ANSWERNET, INC.	MONTHLY ANSWERING SERVICES (MAY)	128.5
11201 SONOMA EMBROIDERY	EMBROIDERY FOR O&M SHIRTS	52.0
41202 STATIONARY ENGINEERS, LOCAL 39	UNION DUES FOR O&M (MAY)	903.8
1203 SUNWIZE POWER & BATTERY, LLC.	PUMP STATION BATTERY WALL - PARTS AND MATERIALS	8,567.1
1204 U.S. POSTMASTER	P.O. BOX 280 - 12 MONTHS	342.0
11205 WATERSMART SOFTWARE	SOFTWARE AND PROGRAM	15,573.3
41206 WATER FARM LLC	WATER PURCHASES : CRAIG WELL (MAY)	4,343.2
41207 JACQUELINE BOHLKEN	CUSTOMER REFUND	92.7
41208 CHARLES HART	CUSTOMER REFUND	175.5
41209 BILL POTTER	CUSTOMER REFUND	980.80
41210 SLC INC.	CUSTOMER REFUND	752.2
41211 PACIFIC GAS & ELECTRIC CO	UTILITIES (MAY)	21,365.0
11212 ACWA/JPIA	GROUP INSURANCES (JULY)	2,934.4
-	· ·	
41213 AUTOMATIONDIRECT.COM, INC.	ENCLOSURE LOCKS AND PARTS FOR VFD;POLY TUBING-CL2 MACHINES	435.4
11214 BURKE, WILLIAMS & SORENSEN, LLC	ATTORNEY FEES; HR EXPENSES; LABOR NEGOTIATIONS (MAY)	7,868.4
11215 CALTEST LABORATORY	ROUTINE WATER TESTING (MAY)	1,220.0
1216 CINTAS	SERVICE TO REPLENISH EMERGENCY SUPPLIES	15.4
1217 COMPLETE WELDERS SUPPLY	SMALL TOOLS AND EQUIPMENT	58.7
11218 COMCAST	INTERNET SERVICES (JUNE)	285.8
1219 CORE UTILITIES, INC.	CONSULTING SERVICES (MAY)	3,900.0
1220 SONOMA COUNTY PUBLIC INFRASTRUCTURE	UTILITY ADJS-2023 PAVEMENT PRESERVATION CONTRACT	75,251.0
1221 EKI ENVIRONMENT & WATER	PROJ C40039.00 REVIEW CHESTNUT EXPLOR. WELL (APR)	11,493.3
11222 JD STRAND TRUCKING, INC.	HAULING SERVICES	362.5
1223 NICK BARBIERI TRUCKING, LLC	FUEL	730.8
1224 POLLARD WATER	SMALL TOOLS AND EQUIPMENT	175.7
	YARD WASTE DISPOSAL/COMPOST, WOOD/CHIPS/SAWDUST	
11225 REPUBLIC SERVICES OF SONOMA CO	·	131.0
11226 STEPHEN ROGERS	REIMBURSEMENT: ACWA CONFERENCE - TRAVEL, HOTEL STAY, PARKING	657.6
1227 SMILE BUSINESS PRODUCTS	MONTHLY PRINTER LEASE 06/10/24-07/09/24	36.3
1228 NAPA AUTO PARTS	EQUIPMENT & VEHICLE MTNC - PARTS AND MATERIALS;BATTERY	253.0
11229 SONOMA CO. WATER AGENCY	WATER PURCHASES 04/30/24-05/30/24	170,802.0
11230 SONOMA PAINT CENTER	BUILDING MTNC - PAINT, ROLLER, TRAY	24.6
11231 STANDARD INSURANCE CO.	GROUP INSURANCES LTD (JUNE)	341.6
	,	
41232 STAPLES BUSINESS ADVANTAGE	OFFICE SUPPLIES	260.6
11233 ULINE, INC	EYEWASH STATIONS (6)	2,013.8
11234 USA BLUEBOOK	DECHLORINATION TABLETS	465.1
11235 U.S. BANK EQUIPMENT FINANCE	EQUIPMENT REPLACEMENT - SHARP COPIER	104.4
11236 VERIZON WIRELESS	CELLPHONE SERVICE 05/04/24-06/03/24	328.1
11237 VERIZON WIRELESS	MACHINE TO MACHINE 05/13/24-06/12/24	209.4
ACH CALIFORNIA EMPLOYMENT DEVELOPMENT	STATE PAYROLL TAXES 06/13/24	3,974.4
ACH CALIFORNIA EMPLOYMENT DEVELOPMENT	STATE PAYROLL TAXES 06/27/24	3,948.6
ACH EFTPS FEDERAL TAX WITHHOLDING	FEDERAL PAYROLL TAXES 06/13/24	18,990.6
ACH EFTPS FEDERAL TAX WITHHOLDING	FEDERAL PAYROLL TAXES 06/27/24	18,735.9
	PERSONNEL-RELATED DISRURSEMENT PAYROLL 06/13/24 & DAYMENT FEF	C/11 C
ACH EXPERTPAY.COM ACH EXPERTPAY.COM	PERSONNEL-RELATED DISBURSEMENT PAYROLL 06/13/24 & PAYMENT FEE PERSONNEL-RELATED DISBURSEMENT PAYROLL 06/27/24 & PAYMENT FEE	541.50 541.50

VALLEY OF THE MOON WATER DISTRICT

Monthly Financial Disbursements June 2024

CK # Vendor Name	Invoice Description	Amount
ACH FIRST BANKCARD CENTER	GM -VEHICLE MTNC; ADMIN TRAINING	328.94
ACH PAYMENTUS CORPORATION	TRANSACTION FEES FOR MAY 2024	928.15
ACH PERS	CLASSIC RETIREMENT CONTRIBUTION PAYROLL 06/13/24	2,928.96
ACH PERS	CLASSIC RETIREMENT CONTRIBUTION PAYROLL 06/27/24	2,928.97
ACH PERS	DEFERRED COMP CONTRIBUTION PAYROLL 06/13/24	1,950.00
ACH PERS	DEFERRED COMP CONTRIBUTION PAYROLL 06/27/24	1,950.00
ACH PERS	HEALTH INSURANCE PREMIUM (JUNE)	31,493.18
ACH PERS	PEPRA RETIREMENT CONTRIBUTION PAYROLL 06/13/24	9,000.65
ACH PERS	PEPRA RETIREMENT CONTRIBUTION PAYROLL 06/27/24	9,018.38
ACH RETIREES	RETIREES BENEFITS (JUNE)	1,981.89
ACH VALIC	DEFERRED COMP CONTRIBUTION PAYROLL 06/13/24	700.00
ACH VALIC	401A CONTRIBUTION PAYROLL 06/13/24	250.00
ACH VALIC	DEFERRED COMP CONTRIBUTION PAYROLL 06/27/24	700.00
ACH VALIC	401A CONTRIBUTION PAYROLL 06/27/24	250.00
ACH WESTAMERICA BANK	NEW TRUCK TOOLS; PARTS/MATERIALS; TANK SITE SOLAR UPGRADE; EQUIPMENT; OFFICE SUPPLIES/SUBSCRIPTIONS	2,653.65
	Net Payroll (After Deductions)	96,663.80
BOARD PRESIDENT		611,653.30

GENERAL MANAGER

Board of Directors June Disbursement

Regular Board Meeting 06/04/2024 Budget Subcommittee Meeting 4/25/2024 ACWA Conference (one day stipend)	Pay Date 6/13/2024 6/13/2024 6/13/2024	Bryant 216.00	Foreman 216.00	Caniglia 216.00 216.00	Rogers 216.00 216.00 216.00	Yudin-Cowan 216.00
	Total	216.00	216.00	432.00	648.00	216.00

VALLEY OF THE MOON WATER DISTRICT MONTHLY REVENUE AND EXPENSE COMPARISON PERIOD ENDING JUNE 30, 2024

% of year remaining

			,									
	Actual	Actual	Approved Budget	Approved Budget (Monthly)	Current Month Actual	Variance (Mo)	Budget (YTD)	Fiscal Year To Date Actual	Variance (YTD)	Budget Remaining	% Remaining	
	21-22	22-23	23-24	JUNE	JUNE	JUNE	07/23-06/24	07/23-06/24	07/23-06/24	23-24	23-24	Forecasting Notes & Significant Changes for 2023-2024
Revenues												
Interest Income	\$ 19,274	\$ 71,846	\$ 50,000	\$ 4,167	4,255	88 \$	50,000	\$ 173,071	\$ 123,071	\$ (123,071)	-246%	Interest yield higher than projected
Gain on Sale of Assets	J 15,274	7 71,040	30,000	\$ -,107	-,255	- 9	-	- 175,071		y (123,071)	240/0	interest yield higher than projected
Operating Revenue	6,525,838	6,362,546	7,814,166	\$ 766,880	754,938	(11,942) \$		7,593,965	•	220,201	3%	
	0,020,000	0,00=,010	.,,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	(==/= :=/ +	.,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(,,			This account offsets the backflow outside
Backflow Testing Revenue	21,357	45,681	53,821	\$ 4,485	5,465	980 \$	53,821	46,341	\$ (7,480)	7,480	14% :	service expense account
Customer Penalties & Fees	38,091	63,987	23,211	\$ 1,934	5,355	3,421 \$	23,211	64,715	\$ 41,504	(41,504)	-179%	·
Misc. Income	80,673	31,884	12,000	\$ 1,000	875	(125) \$	12,000	129,803	\$ 117,803	(117,803)	-982%	Prop 1
Leak Adjustments	(4,287)	(8,393)	(9,613)	\$ (943)	(865)	78 \$	(9,613)	(7,923)	\$ 1,690	(1,690)	18%	
Total Revenue	6,680,946	6,567,551	7,943,586	777,523	770,023	(7,500)	7,943,586	7,999,972	56,387	(56,387)	-1%	
Expenses Salaries:												
O&M - Operating Wages	900,786	962,035	1,156,283	\$ 99,121	92,171	(6,950) \$	1,156,283	1,016,310	(139,973)	139,973	12%	
Stand-By	33,313	32,103	32,098	\$ 2,675	2,525	(150) \$	32,098	32,150	53	(53)	0%	
Net O&M Operating Wages	934,099	994,138	1,188,380	101,796	94,696	(7,100)	1,188,380	1,048,460	(139,921)	139,921	12%	
Administration	543,911	613,051	688,660	53,376	54,516	1,140 \$	688,660	705,553	16,893	(16,893)	-2%	
Temporary Employees	-	-	-	-	-	- \$	-	-	-	-		
Total Salaries	1,478,010	1,607,189	1,877,041	155,172	149,212	(5,959)	1,877,041	1,754,013	(123,028)	123,028	7%	
Weighted Wages Transferred to Capital Projects	(553,515)	(601,892)	(469,260)	(40,227)	(37,303)	2,924 \$	(469,260)	(438,503)	30,757	(30,757)	7%	
Net Operating Wages	924,495	1,005,297	1,407,781	114,945	111,909	(3,036)	1,407,781	1,315,510	(92,271)	92,271	7%	Net Wages used to calculate Net Position

VALLEY OF THE MOON WATER DISTRICT MONTHLY REVENUE AND EXPENSE COMPARISON PERIOD ENDING JUNE 30, 2024

% of year remaining

	Actual	Actual	Approved Budget	Approved Budget (Monthly)	Current Month Actual	Variance (Mo)	Budget (YTD)	Fiscal Year To Date Actual	Variance (YTD)	Budget Remaining	% Remaining	
	21-22	22-23	23-24	JUNE	JUNE	JUNE	07/23-06/24	07/23-06/24	07/23-06/24	23-24	23-24	Forecasting Notes & Significant Changes for 2023-2024
Benefits:												
O&M - Operating & Maintenance	173,563	195,575	226,708	18,892	20,716	1,824 \$	226,708	232,769	6,061	(6,061)	-3%	
Administration	102,724	122,828	128,668	10,722	10,478	(244) \$	128,668	125,741	(2,927)	2,927	2%	
Retirees	66,250	62,324	66,702	5,558	3,974	(1,584) \$	66,702	49,141	(17,561)	17,561	26%	
Total Benefits	342,537	380,727	422,078	35,173	35,168	(5)	422,078	407,651	(14,427)	14,427	3%	
Mandatory Costs												
Workers Comp:												
Operating & Maintenance	39,666	50,657	55,671	4,639	14,590	9,951 \$	55,671	50,116	(5,555)	5,555	10%	
Acct/Administration	6,318	6,814	7,519	627	1,974	1,347 \$	7,519	7,329	(190)	190	3%	
FICA/Medicare:						- \$	-		-			
Operating & Maintenance	71,069	76,190	86,354	7,196	7,090	(106) \$	86,354	79,679	(6,675)	6,675	8%	
Administration	37,152	41,731	50,662	4,222	3,893	(329) \$	50,662	48,139	(2,523)	2,523	5%	
District Portion/Retirement:						- \$	-		-			
Operating & Maintenance	82,289	88,765	100,007	8,334	8,618	284 \$	100,007	97,007	(3,000)	3,000	3%	
Administration	59,223	65,275	77,033	6,419	6,122	(297) \$	77,033	77,011	(22)	22	0%	
CalPERS Accrued Liability	217,969	241,836	235,000	19,583	19,153	(430) \$	235,000	229,834	(5,166)	5,166	2%	
Total Mandatory Costs	513,686	571,268	612,245	51,020	61,440	10,419	612,245	589,115	(23,130)	23,130	4%	
Travel & Training												
Operating & Maintenance	3,924	4,066	8,466	705	1,636	931 \$	8,466	13,239	4,773	(4,773)	-56% 1	Bloodborne pathogens course
Administration	4,041	3,547	12,768	1,064	(15)	(1,079) \$	12,768	6,629	(6,139)	6,139	48%	
Total Travel & Training	7,965	7,613	21,234	1,769	1,621	(148)	21,234	19,868	(1,366)	1,366	6%	
Board of Directors:												
Meeting Compensation	17,269	19,235	33,580	2,798	1,860	(938) \$	33,580	16,276	(17,304)	17,304	52%	
Travel & Training	4,045	3,334	9,363	780	674	(106) \$	9,363	1,887	(7,476)	7,476	80%	
Total Board Expenses	\$ 21,314	\$ 22,569	\$ 42,943	\$ 3,579	2,534	(1,045)	42,943	18,163	(24,780)	24,780	58%	
Purchased Water												
Purchased Water	\$ 2,051,745	. , ,	. , ,	223,756	311,804	88,048 \$	2,279,970	2,247,293	(32,677)	32,677	1%	
GSA Fee	25,000	7,393	\$ 15,000	1,250	659	(591) \$	15,000	7,465	(7,535)	7,535	50%	
Total Purchased Water	\$ 2,076,745	\$ 1,908,024	\$ 2,294,970	\$ 225,006	\$ 312,463	\$ 87,457 \$	2,294,970	\$ 2,254,758	\$ (40,212)	\$ 40,212	2%	

VALLEY OF THE MOON WATER DISTRICT MONTHLY REVENUE AND EXPENSE COMPARISON PERIOD ENDING JUNE 30, 2024

% of year remaining

	Actual	Actual	Approved Budget	Approved Budget (Monthly)	Current Month Actual	Variance (Mo)	Budget (YTD)	Fiscal Year To Date Actual	Variance (YTD)	Budget Remaining	% Remaining
	21-22	22-23	23-24	JUNE	JUNE	JUNE	07/23-06/24	07/23-06/24	07/23-06/24	23-24	Forecasting Notes & Significant Changes for 2023-2024
Services & Supplies Safety & Clothing Allowance	16.082	16.522	24,573	2,048	4,678	2,630 \$	24,573	19,960	(4,613)	4,613	19%
COVID-19 Response	1,315	593	24,373	2,048	4,078	- Ś	24,373	19,900	(4,013)	4,013	1376
covib 13 Nesponse	1,013	333				Ť					Dump truck repair and other vehicle
Vehicle Maintenance	14,749	18,608	9,150	763	1,208	445 \$	9,150	22,279	13,129	(13,129)	-143% maintenance
Election Costs		25,854	-	-	-	- \$	· -	-	-	-	
Employee Relations	3,850	3,956	4,570	381	265	(116) \$			(341)	341	7%
Legal Fees	78,483	114,012	84,000 30,000	7,000 2,500	7,002 153	2 \$ (2,347) \$,		22,375 (15,441)	(22,375) 15,441	-27% Labor negotiations 51%
SDC Expenses HR Expenses		-	10,000	833	155	(833) \$			(6,395)	6,395	64%
Engineering General Support		2,045	3,830	319		(319) \$			3,445	(3,445)	
Advertising	945	732	4,000	333	_	(333) \$			2,834	(2,834)	
Outside Services	26,355	32,992	43,143	3,595	1,053	(2,542) \$,	(18,306)	18,306	
	,				,,,,,	, ,	,	,	, ,,	,	This account offsets the backflow testig
Outside Services Backflow	15,992	23,374	53,821	4,485	57,429	52,944 \$,	57,429	3,608	(3,608)	
Annual Audit	7,956	-	20,651	1,721	-	(1,721) \$		-	(20,651)	20,651	100%
Bad Debts/Collections	12,032	26,950	16,000	1,333	-	(1,333) \$			(7,865)	7,865	49%
Building MTNC.	7,149	8,573	11,026	919	,	134 \$,		10,169	(10,169)	
Dues and Subscriptions	15,998	24,984	26,801	2,233	2,629 492	396 \$	-,	25,991	(810)	810	3% 18%
Equipment MTNC./Repairs Fees (County/State)	18,666 53,760	23,795 63,441	30,856 71,248	2,571 5,937	492 113	(2,079) \$ (5,824) \$			(5,694) (4,653)	5,694 4,653	7% SWRCB (system connections)
Fuel	31,084	33,775	34,739	2,895	1,484	(1,411) \$			1,736	(1,736)	
Bank Charges	8,937	11,297	16,003	1,334	1,331	(3) \$			3,069	(3,069)	
Liability Ins. (Incl. Losses)	54,033	70,079	87,664	7,305		392 \$			1,094	(1,094)	
Postage	24,663	20,663	26,600	2,217	2,083	(134) \$,		(3,934)	3,934	15%
Public Information	15,641	6,324	5,723	477	3,892	3,415 \$			(1,377)	1,377	24%
Service Contracts	53,813	68,448	82,511	6,876	5,900	(976) \$	82,511	64,458	(18,053)	18,053	22%
Office Supplies	9,359	12,563	11,485	957	1,332	375 \$,		(4,855)	4,855	42%
Telephone-Internet	14,490	16,243	16,980	1,415		(599) \$			(260)	260	2%
Small Tools & Equipment	7,142	19,590	30,812	2,568	2,561	(7) \$			57	(57)	
Trash Disposal	7,964	6,133	6,357	530	554	24 \$,	7,025	668	(668)	
Utilities - PG&E	135,454	181,618	170,240	14,187	12,038	(2,149) \$			30,118	(30,118)	
Professional Services Water Testing	116,666 31,742	124,312 46,360	123,211 48,076	10,268 4,006	10,990 1,135	722 \$ (2,871) \$			(76,118) (11,289)	76,118	62% 23%
Water Main Maintenance	86,465	5,142	48,412	4,006	786	(3,248) \$			(40,887)	11,289 40,887	84%
Service Line Maintenance	5,941	6,190	10,959	913	2,008	1,095 \$			(7,002)	7,002	64%
Hydrant Repairs	2,282	1,414	4,256	355	26	(329) \$			(4,081)	4,081	96%
Misc. System Maintenance	4,369	6,243	7,858	655	9,176	8,521 \$,		13,684	(13,684)	
Wells Maintenance	7,733	12,305	13,723	1,144	1,837	693 \$			(4,125)	4,125	30%
Pump Maintenance	2,412	9,224	10,621	885	1,451	566 \$	10,621	21,306	10,685	(10,685)	-101% Pump & Motor; G.E. Booster Pump
Storage Tank Maintenance	16,026	8,930	8,512	709	577	(132) \$			4,397	(4,397)	
Water Conservation Program	40,454	18,486	19,000	1,583	100	(1,483) \$		6,599	(12,401)	12,401	65%
Interest Expense	18,905	(38)	0	0	-	- \$		-	- ()	-	0%
Equipment Replacement	2,288	3,020	3,000	250		(146) \$		1,373	(1,627)	1,627	54% 12%
Total Services & Supplies Total Expenses	971,195 4.857.937	1,074,752 4.970,250	1,230,411 6.031.661	102,534 534.026	143,953 669.088	41,419 135.062	1,230,411 6.031.661	1,080,700 5.685.765	(149,710) (345,896)	149,710 345.896	12%_ 6%
Revenues Less Expenses	1,823,009	1,597,301	1,911,924	243,497	100,935	(142,562)	1,911,924	2,314,207	402,283	(402,283)	
Terendes Less Expenses	1,023,003	1,337,301	1,511,524	£73,737	100,533	(172,502)	1,511,524	2,317,207	702,203	(402,203)	22/0
O&M Allocation to CIP	(1,998,898)	(2,494,894)	(682,323)	(56,860)	(56,860)	- \$	(682,323)	(682,323)	-	-	0%
Transfer to/from Undesignated Reserves	\$ (175,889)	\$ (897,592)	\$ 1,229,601	\$ 186,637	\$ 44,075	\$	1,229,601	\$ 1,631,884	\$ 402,283	\$ (402,283)	-33%

VALLEY OF THE MOON WATER DISTRICT REPORT OF INVESTMENTS AND RESERVES For the Month Ended June 2024

Start of Fiscal Year

<u>Start of Fiscal Teal</u>		
LAIF \$ 3,186,228		
SCIP 623,332		
Westamerica Bank Checking/Petty Cash 518,516		
TVI511,592	_	
Total Beginning Cash \$ 4,839,668	-	
	Δν	erage Rate of
Year To Date	7.00	Interest
LAIF \$ 2,543,626		4.480%
SCIP 127,790		3.440%
TVI 2,073,437		4.780%
Westamerica Bank Checking/Petty Cash 669,131		
Total ending Cash \$ 5,413,983	-	
	•	
Outstanding Payments	\$	(254,481)
Adjusted Cash/Investment Balance		5,159,503
(1) Board Designated Reserves (Board Approved with 23/24 Budget)		_
(a) Operations & Maintenance Reserve (3 Months Operations)		(1,509,932)
(b) Rate Stabilization Reserve		(642,828)
(c) Capital Improvement Program		(870,000)
Total Board Designated Reserves		(3,022,760)
Remaining Cash/Investment Balance	\$	2,136,743
Previous Capacity Fees Balance		(1,300,015)
(2) Year To Date Capacity Fees Collected FY 23/24		(154,420)
Capacity Fees to CIP FY 23/24		1,200,000
Total Capacity Fees Restricted Funds		(254,435)
(3) FY 2023-2024 Board Approved Capital Projects		(1,874,494)
Year to Date Capital Project Disbursements		1,270,760
Remaining Transfer of Current Year Revenues to Capital Project Fund		-
Rollover Projects FY22-23		(1,449,124)
Year to Date Rollover Projects Disbursements		1,091,509
YTD Capital Project Unexpended funds		(961,349)
Undesignated Personner funding for remaining E Very Conital Plan	Ċ	020.050
Undesignated Reserves- funding for remaining 5-Year Capital Plan	\$	920,959
Pending Grant Expense Reimbursements	\$	70,157
Adjusted Undesignated Reserves	\$	991,116
,	r	
Remaining 5-Year Capital Plan	\$	9,766,631

				Current CIP Budget	Total CIP Budget	Current Month - JUN	YTD Expenditures	Budget Remaining	
Project #	Project	Improvement Description	CIP Roll Over			MOULH - JON	Expenditures	Kemaining	% Remaining
			2022/23	2023/24	2023/24				
Facilities and	Maintenance Projects								
CIP-3006	Install EV Plugs and Solar on Office/Shop	Solar on shop, office, and shade structure. Install EV plugs in yard and office parking for District EVs	127,979		127,979	-	97,979	30,000	23%
CIP-3013	Replace #32 & #33 with F250 or F350 utility body trucks	These two vehicles were purchased at the same time about 20 years ago and have higher mileage. Replacement is needed to maintain fleet reliability.	23,718		23,718	-	20,744	2,974	13%
CIP-3015	Caltrans Project on Hwy 12	Work done by Caltrans affecting District facilities.	50,000	-	50,000	-	-	50,000	100%
CIP-5107	County of Sonoma Paving Projects requiring adjustments and or relocation of District facilities	Work done by the County of Sonoma affecting District facilities on Cherry Avenue and Riverside Drive.	-	78,327	78,327	75,251	109,929	(31,601)	-40%
CIP-6001	New Services	Customer pays 100%.	-	-	-	4,096	46,034		
CIP-6004	All Service Replacements	All service replacements combined.	-	38,076	38,076	6,291	78,327	(40,252)	-106%
CIP-8100	Valve Replacement Program	Valve replacement for system reliability and control.	-	31,484	31,484	705	4,774	26,710	85%
CIP-9300		Part "roll-over" moving to supported software and shifting from a physical server to cloud based. Remainder is to buy and install one new AMI collector for better system backhaul. The AMI meters will need to be replaced beginning year 7 to stay ahead of battery life expectancy.	8,909	16,318	25,227	-	16,082	9,145	36%
CIP-3017	Installation of generator at Donald Booster	Using a generator purchased in previous fiscal year. Installation cost only.	6,623		6,623	-	3,855	2,768	42%
CIP-3047	Seismic Vulnerability Assessment (LHMP)	From LHMP. FY1: application for grant funding FY2: carry out assessment. 25% district match. Outsource grant management.	-	21,758	21,758	-	-	21,758	100%
CIP-3050	Lead Service Line Inventory	LCRR - Required by federal EPA.	-	195,818	195,818	2,317	45,633	150,185	77%
CIP-3051	Emergency Preparedness	Update parts and repair clamps in the emergency trailer. Provide MREs and emergency response PPE to ensure system reliability in the days following a major disaster.	-	32,636	32,636	8,764	30,053	2,583	8%
CIP-3045	Energy Consumption Evaluation	Engineering level energy evaluation. May result in additional CIP recommendations that will help reduce overall power consumption saving the District money and reducing greenhouse gas emissions.	-	32,636	32,636	-	36,452	(3,815)	-12%
Total Facilities and Maintenance Projects			217,229	447,054	664,282	97,425	489,862	174,420	26%

Project #	Project	Improvement Description	CIP Roll Over	Current CIP Budget	Total CIP Budget	Current Month - JUN	YTD Expenditures	Budget Remaining	% Remaining
			2022/23	2023/24	2023/24				
Pipeline Projects									
	Transmission and Fire Flow	Replace existing 6-inch and 8-inch steel and ACP water mains with new 10-inch and 12-inch PVC water mains, replace existing service connections, and replace existing fire hydrants. RFP sent 03/2020. Engineering 07/2020, Construction to begin Spring 2021.	164,916	-	164,916	-	468,949	(304,033)	-184%
	WMP: P-5A. Pressure Zone 3D Fire Flow Improvement	Replace existing 4-inch ACP, PVC, and DIP water mains with new 8-inch PVC throughout PZ-3D, replace eight existing service connections, and replace one existing fire hydrants. Model 1800 Conveyor included.	-	565,697	565,697	-	417,018	148,679	26%
	WMP: P-7. Altamira Middle School Fire Flow Improvement	Replace existing 6-inch and 8-inch PVC and ACP water mains with new 12-inch PVC water mains along Arnold Drive, replace existing 6-inch pipe with new 8 and 12-inch pipe adjacent to Altamira Middle School, replace 15 existing service connections, and replace three existing fire hydrants.	-	191,467	191,467	-	55,231	136,236	71%
Total Pipeline Projects			164,916	757,163	922,079	,	941,198	(19,119)	-2%

Project #	Project	Improvement Description	CIP Roll Over	Current CIP Budget	Total CIP Budget	Current Month - JUN	YTD Expenditures	Budget Remaining	% Remaining
			2022/23	2023/24	2023/24				
Wells, Pumping, & Supply									
CIP-2987	Chestnut Exploratory Well	Develop a minimum 100gpm District owned Well.	197,920	501,656	699,576	-	547,979	151,597	22%
CIP-2989	Redrill Park	Drilled next to & operated with existing well. Develop a minimum 100gpm District owned Well.	869,059	,	869,059	1	293,153	575,906	66%
CIP-3026	VFDs on all well pumps	Install VFDs at AC and Donald	-	32,636	32,636	-	-	32,636	100%
CIP-3046	Pump Station Battery Wall	A battery wall would operate the remote site during power outages unless a large power demand occurs (i.e. water pumps are called by SCADA) in which case the existing generator would turn on and supply the needed power. This would reduce the number of fuel deliveries needed in an emergency , increasing the District's staff time to respond to the emergency in other ways (i.e. leak response/system inspections etc.)	-	54,394	54,394		10,544	43,850	81%
Total Wells			1,066,979	588,687	1,655,666	•	851,676	803,989	49%
Tanks									
CIP-3032	Tank Site Solar upgrade	Right size the solar equipment and use industry standard batteries and enclosures. Engineered by professional and installed by VOMWD staff.	-	81,591	81,591	-	79,532	2,058	3%
Total Tanks			-	81,591	81,591	-	79,532	2,058	3%
						Current	YTD	Budget	
		Total	FY 22-23	FY 23-24	FY 23-24	Month - JUN	Expenditures	Remaining	% Remaining
		Total Water System Improvements:	\$ 1,449,124	\$ 1,874,494	\$ 3,323,618	\$ 97,425	\$ 2,362,269	\$ 961,349	29%
ASR Projects						Current Month - JUN	Net Project Expenditures		
	Park Well ASR	Grant Funded Projects	-	-	-	-	34,201	-	
	Verano Well ASR	Grant Funded Projects	-	-	-	-	35,956	-	
Total ASR Projects			-	-	-	-	70,157	-	-

MONTHLY REVENUE AND EXPENSE COMPARISON PERIOD ENDING JUNE 30, 2024

	Current Month Actual	Project To Date Actual	
PARK WELL ASR - CIP 3038	Jun-24	Jun 2022 - Jun 2024	Notes
Revenues			
Grant Revenue		775,138	
Total Revenue	-	775,138	
Expenses			
Salaries:			
O&M - Operating Wages	-	2,835	
Administration	-	1,867	
Total Salaries	-	4,702	
Services & Supplies			
Services & Supplies	<u> </u>	804,637	
Total Services & Supplies	<u>-</u>	804,637	
Total Expenses	<u> </u>	809,339	
Revenues Less Expenses	-	(34,201)	

MONTHLY REVENUE AND EXPENSE COMPARISON PERIOD ENDING JUNE 30, 2024

	Current Month Actual	Project To Date Actual	
VERANO WELL ASR - CIP	3039 Jun-24	Jun 2022 - Jun 2024	Notes
Revenues			
Grant Revenue	-	397,864	
Total Revenue	-	397,864	
Expenses			
Salaries:			
O&M - Operating Wages	-	1,696	
Administration	<u>-</u>	3,946	
Total Salaries	<u>-</u>	5,642	
Services & Supplies			
Services & Supplies	<u>-</u>	428,178	
Total Services & Supplies	<u>-</u>	428,178	
Total Expenses	<u> </u>	433,820	
Revenues Less Expenses	-	(35,956)	

Project #	Project	Improvement Description	CIP Roll Over (Budget)	CIP Roll Over (Actual)	Variance 2023/24
Facilities and B	Asimtonon as Businets				
	Maintenance Projects	World days he Colleges offerships District facilities	F0.000	F0.000	-
CIP-3015	Caltrans Project on Hwy 12	Work done by Caltrans affecting District facilities.	50,000	50,000	-
CIP-3047	Seismic Vulnerability Assessment (LHMP)	From LHMP. District to pay 100% of assessment. District will seek FEMA grant funds for resulting projects.	21,758	21,758	0
Total Facilities		resulting projects.	71,758	71,758	0
and				·	
Maintenance					
Projects					
Pipeline					
Projects					
CIP-3022	WMP: P-7. Altamira Middle School Fire Flow Improvement	Replace existing 6-inch and 8-inch PVC and ACP water mains with new 12-inch PVC water mains along Arnold Drive, replace existing 6-inch pipe with new 8 and 12-inch pipe adjacent to Altamira Middle School, replace 15 existing service connections, and replace three existing fire hydrants.	54,394	136,236	81,842
Total Pipeline Projects			54,394	136,236	81,842
Wells, Pumping, & Supply					
CIP-2987-1	Chestnut Exploratory Well.	Develop a minimum 100gpm District owned Well. Phase 1, Rolling over funds from	165,512	151,597	(13,915)
	Drill & Develop production well.	FY23/24 for engineering of the final production well. If funded starting FY25/26.			
CIP-2989	Redrill Park	Drilled next to & operated with existing well. Develop a minimum 100gpm District owned Well.	578,328	575,906	(2,422)
CIP-3046	Pump Station Battery Wall	A battery wall would operate the remote site during power outages unless a large power demand occurs (i.e. water pumps are called by SCADA) in which case the existing generator would turn on and supply the needed power. This would reduce the number of fuel deliveries needed in an emergency , increasing the District's staff time to respond to the emergency in other ways (i.e. leak response/system inspections etc.)	42,956	43,850	894
Total Wells			786,796	771,353	(15,443)
		Total	FY 23-24	FY 23-24	FY 23-24
		Total Water System Improvements:	\$ 912,948	\$ 979,347	\$ 66,399

Agenda Item: 5.B

MEMORANDUM

TO: Valley of the Moon Water District Board of Directors

FROM: Amanda Hudson, Administration Manager

SUBJECT: Administrative Report

The following are some areas the Administrative Department has been focusing on:

Leveraging Insurance (ACWA JPIA) Services (to keep premiums as low as possible):

- Revising the District's Illness and Injury Prevention Plan
- Developed the Workplace Violence Prevention Plan (new per SB 553)
- Update the Training Schedule for all departments
- Participation in ACWA JPIA's Commitment to Excellence
- Cyber Liability training and using all available programs to prevent cyber threat

Re-Vamping Accepting of Facilities Procedure

- We have one facilities acceptance on the agenda tonight
- Went through an extensive process with the County and legal to update our internal procedures
- The Board can expect to see some clean-up facilities acceptances over the next months

FEMA

Saddle Tank project \$659,422 / Admin time toward FEMA projects \$16,892

- All information requested by CalOES for the Saddle Tank project has been submitted.
- Our CalOES Closeout Specialist believes our package has moved on from CalOES to FEMA
- The last quarterly check-in with the CalOES Closeout Specialist was on June 27. He confirmed that there has been no update from CalOES or FEMA on our project and that "no new should be good news".
- I will check-in with him next at the end of September.

Agenda Item: 5.C

MEMORANDUM

TO: Valley of the Moon Water District Board of Directors

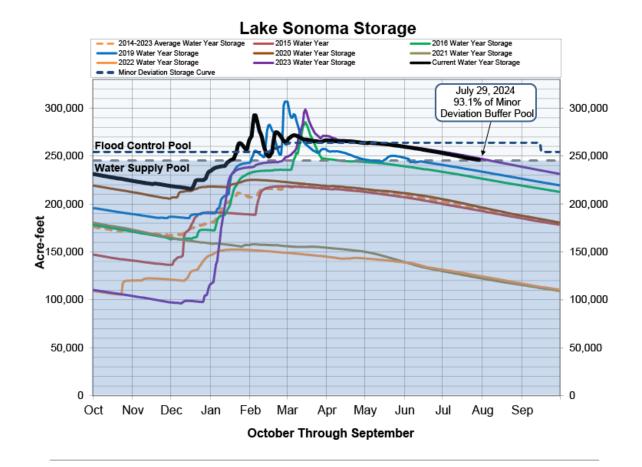
FROM: Clayton Church, Water System Manager

SUBJECT: Water Supply & Water Source Update

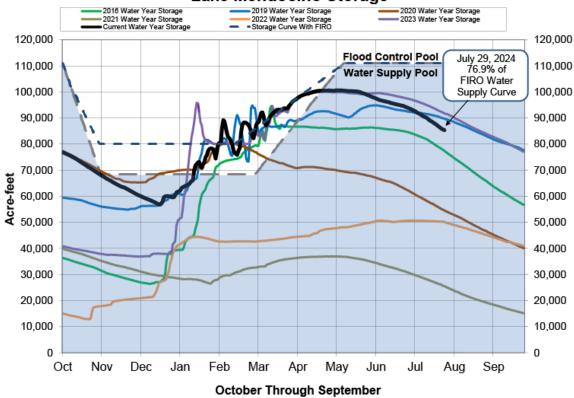
Water source report:

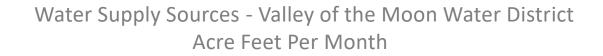
The wells were mostly off for the month of June, producing only .10% of the District's overall demand for June.

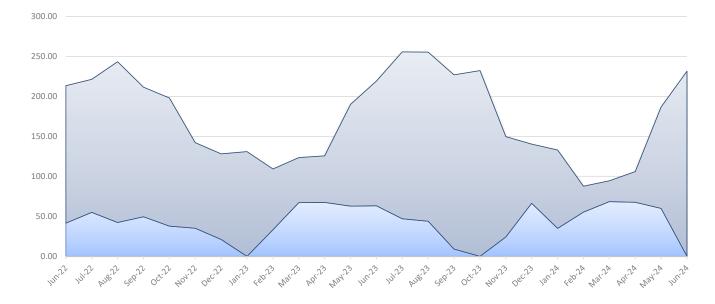
Lake Sonoma was 93.1% of the minor deviation buffer pool, and Lake Mendocino was 76.9% (FIRO) of the Target Curve as of July 29, 2024.



Lake Mendocino Storage



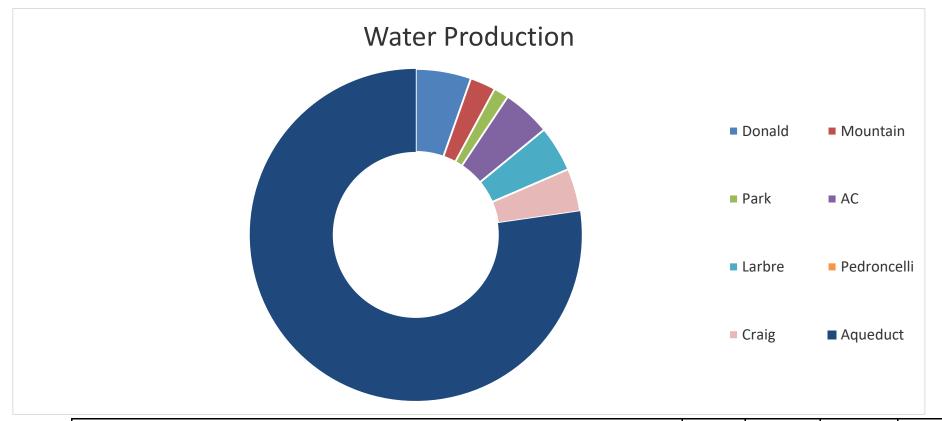




■ Total Wells	Aqueduct
---------------	----------

									Total		Total AF	Total AF
Month	Donald	Mt Ave	Park Ave	Agua Cal	Larbre	Pedroncelli	Craig	Aqueduct	Wells	Wells %	Produced	Deliveries
Jun-22	12.00	4.39	0.00	11.73	13.39			171.77	41.51	19.46%	213.28	194.74
Jul-22	14.57	7.90	2.26	13.95	16.32			166.28	55.00	24.85%	221.27	192.42
Aug-22	11.21	5.67	4.65	9.94	10.87			200.95	42.33	17.40%	243.28	228.25
Sep-22	13.74	2.48	6.06	13.31	13.93			162.02	49.51	23.41%	211.53	203.41
Oct-22	10.71	0.00	4.78	9.88	4.77	0.02	7.58	160.39	37.73	19.04%	198.12	215.41
Nov-22	9.72	0.00	3.97	8.53	9.44	0.00	3.51	107.02	35.16	24.73%	142.19	149.59
Dec-22	5.89	0.00	2.47	5.77	5.56	0.00	1.37	107.10	21.05	16.43%	128.15	148.32
Jan-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130.94	0.00	0.00%	130.94	114.47
Feb-23	8.75	3.14	1.36	7.33	7.48	0.00	5.22	76.00	33.28	30.45%	109.28	101.69
Mar-23	14.89	8.92	6.51	9.68	15.46	0.00	11.64	56.32	67.10	54.37%	123.41	107.96
Apr-23	13.76	7.43	5.10	13.73	13.34	0.00	14.15	58.18	67.52	53.72%	125.69	108.20
May-23	13.87	7.11	0.00	13.64	14.22	0.00	13.97	127.30	62.82	33.04%	190.11	120.92
Jun-23	17.14	1.06	0.00	15.53	15.34	0.00	14.24	155.84	63.31	28.89%	219.15	179.91
Jul-23	13.62	3.25	0.00	12.33	10.66	0.00	7.14	208.67	47.00	18.38%	255.66	183.25
Aug-23	13.33	7.69	0.00	9.59	4.31	0.00	8.99	211.39	43.91	17.20%	255.31	244.45
Sep-23	2.92	1.72	0.00	2.36	0.00	0.00	2.02	217.91	9.02	3.98%	226.94	218.98
Oct-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	232.29	0.00	0.00%	232.29	245.00
Nov-23	7.06	2.54	0.00	6.21	3.43	0.00	4.98	125.39	24.22	16.19%	149.61	170.32
Dec-23	17.11	7.73	1.70	14.38	15.12	0.00	10.25	74.10	66.29	47.22%	140.40	168.50
Jan-24	9.74	0.85	3.03	8.00	7.64	0.00	5.75	97.91	35.02	26.35%	132.93	120.81
Feb-24	14.28	7.27	5.29	9.97	9.49	0.00	9.03	32.39	55.33	63.07%	87.73	119.04
Mar-24	9.49	5.28	7.82	14.75	15.94	0.00	15.11	26.06	68.39	72.41%	94.45	104.05
Apr-24	14.18	7.70	6.75	11.60	13.91	0.00	13.44	38.38	67.57	63.78%	105.95	111.99
May-24	11.33	8.34	6.14	9.90	13.02	0.00	11.28	126.64	60.02	32.15%	186.67	127.34
Jun-24	0.22	0.00	0.00	0.01	0.00	0.00	0.00	231.19	0.23	0.10%	231.42	207.41
FY to date												
(Acre Feet)	113.29	52.36	30.73	99.10	93.52	-	88.02	1,622.34	477.02	22.72%	2,099.35	2,021.14

Board of Directors Item 5.C



<u>Actual</u>				We	ells							Aqueduct
Month	Donald	Mountain	Park	AC	Larbre	Pedroncelli	Craig	Total	Aqueduct	Total	Wells %	flow rate*
Jul-23	13.62	3.25	0.00	12.33	10.66	0.00	7.14	47	208.67	256	18%	2.19
Aug-23	13.33	7.69	0.00	9.59	4.31	0.00	8.99	44	211.39	255	17%	2.22
Sep-23	2.92	1.72	0.00	2.36	0.00	0.00	2.02	9	217.91	227	4%	2.37
Oct-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	232.29	232	0%	2.44
Nov-23	7.06	2.54	0.00	6.21	3.43	0.00	4.98	24	125.39	150	16%	1.36
Dec-23	17.11	7.73	1.70	14.38	15.12	0.00	10.25	66	74.10	140	47%	0.78
Jan-24	9.74	0.85	3.03	8.00	7.64	0.00	5.75	35	97.91	133	26%	1.03
Feb-24	14.28	7.27	5.29	9.97	9.49	0.00	9.03	55	32.39	88	63%	0.38
Mar-24	9.49	5.28	7.82	14.75	15.94	0.00	15.11	68	26.06	94	72%	0.27
Apr-24	14.18	7.70	6.75	11.60	13.91	0.00	13.44	68	38.38	106	64%	0.42
May-24	11.33	8.34	6.14	9.90	13.02	0.00	11.28	60	126.64	187	32%	1.33
Jun-24	0.22	0.00	0.00	0.01	0.00	0.00	0.00	0	231.19	231	0%	2.51
Sub-Total	113	52	31	99	94	0	88	477	1,622	2,099	23%	_
* Average daily	rate of flow du	uring the mont	h (in millions	of gallons per o	day)							
Annual Target	104	65	28	119	94	0	55	465	1,739	2,204	21%	
% of Target	109%	81%	110%	83%	99%		161%	103%	93%	95%		

MEMORANDUM

TO: Valley of the Moon Water District Board of Directors

FROM: Clayton Church, Water System Manager

SUBJECT: Operations Update

• Sewer Trunkline Replacement

Staff continues to coordinate with SCWA for the replacement of sewer main in close proximity to VOMWD water mains; the excavation at the end of Happy Ln has concluded and work continues on Orchard Ave in prep for jack and bore operations. Staff have been working closely with SCWA Wastewater Collections Dept in support of their sewer main replacement project.

Service Line and Main Repairs

Over the past month, staff has successfully repaired four water leaks and upgraded one service. One main line leak was repaired on Williams Rd.

• CIP 3056 Temelec Irrigation Service Line Abandonment

Staff held a pre-con meeting and site visit. Preliminary plans for shutdowns, abandonment of irrigation services, and restoration. Parts lists and schedules are being developed for work to begin.

CIP 2991 GPS Facilities

Staff is updating the procedure for data transfer. Refresher training on the GPS staff and data collector is being scheduled. Staff will begin to collect and log location data for meters beginning mid-August.

• CIP 3032: Tank Site Solar Upgrade

The new systems at the Temelec and Sobre Vista 210k tank sites are complete. The final step for completing this project is system integration into SCADA. This work is being coordinated and scheduled with IT.

• CIP 3046: Pump Station Battery Bank

All the site work has been completed. All the hardware has been installed. Staff is coordinating with IT for integration to Hanna BPS. After the completion of the integration, various controls will be tested for proper performance as well as testing of all alarms.

The table below shows a subjective percentage completed for each of the CIP projects based on an estimate of the time requirement remaining. The percentage will not match the one shown on the CIP budget update, because that number accounts only for the budget remaining.

Project Number and Description	Percent Complete
Project 2987-1: Chestnut Exploratory Well Drill and Develop well	N/A
Project 2989: Park Well Drilling (on hold for ASR Pilot)	60%
Project 2991- GPS Facilities	0%
Project 3015: Cal Trans Hwy 12 Project	100%
Project 3022: Altimira School Fire Flow Engineering	50%
Project 3031: Temelec 1M Tank Recoating & Railing	5%
Project 3046: Pump Station Battery Bank	30%
Project 3047: Seismic Vulnerability	0%
Project 3050: Lead Service Inventory	85%
Project 3053: Spare Generator Purchase	15%
Project 3054: IPMHG Assessment	0%
Project 3055: District Device Upgrade	75%
Project 3056: Temelec Irrigation service line abandonment	0%
Project 3057: 1 ½" & 2" PB Service Line Replacement	0%
Project 3058: Boardroom Upgrade	5%
Project 3059: Roof Repair on Main Office Building	30%
Project 3060: SDC Evaluation	5%
Project 3061: Donald Well Pump Replacement	10%
Project 3062: Hannah BPS pump replacement	0%
Project 3063: Add SCADA Labre Well	0%
Project 3064: Replace Section of Sobre Vista 30K Roof	5%
Project 6004: All Service Line Replacements	0%
Project 8100: Valve Replacement Program	0%
Average Percent Complete	22%

MEMORANDUM

TO: Valley of the Moon Water District Board of Directors

FROM: Matt Fullner, General Manager

SUBJECT: August 5th Water Advisory Committee (WAC) and Technical Advisory Committee

(TAC) Meeting Update

Background:

President Foreman and General Manager Fullner will be attending the WAC/TAC Meeting on August 5th. A verbal update will be provided at the Board meeting.

August 6, 2024 Item: 8.A

MEMORANDUM

TO: Valley of the Moon Water District Board of Directors

FROM: Matt Fullner, General Manager

SUBJECT: Consider Resolution No. 240802 Amending the District's Fiscal Year 2024/2025

Budget by Reallocating Funds from Project 2987-1 (Design Funding for Chestnut

Well), to Update the District's Water Master Plan Prioritized CIP List

Background:

At the June 2024 Regular Board meeting, during the Budget item, there was some discussion among the Board about whether the Chestnut Well would be a wise place to allocate funds given the very high opinion of probable cost (OPC) figures the District received and uncertainty about water quality and temperature at that location. There was also some discussion and hesitation regarding the Board and District's capital expenditure priorities.

Up to the current budget cycle, staff has been relying on the 2019 Water Master Plan (WMP) list of prioritized capital projects, the 2022-2023 Strategic Plan, and the 2024 Energy Consumption Evaluation, as guiding documents for prioritizing those future capital expenditures. However, the WMP is now five years old, and the prioritized CIP list contained within the plan may be due for an update. Staff is, therefore, recommending that funds in the current budget allocated for the design of the Chestnut Well, be reallocated to develop an updated WMP prioritized CIP list.

Staff believes that this updated prioritization list can be completed over the next several months and that the Board can use it to direct staff in the creation of an updated Strategic Plan. This will help the Board provide clear direction in the next five-year capital plan, which is updated annually in the District's Budget.

Recommendation:

Adopt Resolution No. 240802, reallocating the funds budgeted for the engineering of the Chestnut Well in the FY 2024/2025 budget, to the creation of an updated WMP prioritized CIP list, and adopting the trued-up rollover funds for the various CIP projects as shown in the attached draft amended CIP budget sheet.

Attachment:

- Resolution No. 240802
- Draft amended CIP budget sheet

RESOLUTION NO. 240802

RESOLUTION OF THE BOARD OF DIRECTORS OF THE VALLEY OF THE MOON WATER DISTRICT AMENDING THE FIVE-YEAR CAPITAL IMPROVEMENT PLAN FOR FISCAL YEARS 2024-2025 THROUGH 2028-2029 AND REALLOCATING FUNDS FOR FISCAL YEAR 2024-2025 CAPITAL IMPROVEMENT PLAN BUDGET

WHEREAS, it is desirable for the Valley of the Moon Water District (District) to have up-to-date planning documents for the creation of the District's five-year capital improvement plan; and WHEREAS, the District's current Water Master Plan (WMP) Prioritized capital improvement plan (CIP) List was last updated in 2019; and WHEREAS, the Board of Directors has determined that the funds set aside for the design of a future well at Chestnut Avenue would be better used in updating the WMP Prioritized CIP List; and WHEREAS, the closeout of the District's finances for fiscal year 2023/2024 has now occurred, allowing the true rollover figures to be populated in an updated CIP budget; WHEREAS, staff has prepared an updated CIP budget reallocating funds from the Chestnut Well design to an updated WMP Prioritized CIP List, showing the true rollover amounts for the various CIP Projects and presented it to the Board of Directors, with recommendation to adopt the same. NOW, THEREFORE, BE IT RESOLVED that the amended CIP for the fiscal years 2024-2025 through 2028-2029, attached hereto and made a part hereof by reference is hereby adopted. BE IT FURTHER RESOLVED THAT funding for fiscal year 2024-2025 amended CIP budget is hereby approved. THIS RESOLUTION PASSED AND ADOPTED THIS 6th DAY OF AUGUST 2024, by the following votes: Director Rogers Ву ___ Director Foreman **Board President Director Bryant Board Secretary** Director Yudin-Cowan Director Caniglia Ayes: Noes: Absent: Abstain: I HEREBY CERTIFY that the foregoing Resolution was duly adopted at a meeting of the Board of Directors of Valley of the Moon Water District, held on the 6th day of August 2024, of which meeting all Directors

were duly notified and at which meeting a quorum was present at all times and acting.

By ______ Board Secretary

					Total CIP				
Project #	Project	Improvement Description	CIP Roll Over	Proposed CIP	Buget	2	3	4	5
	·	·	2023/24	2024/25	2024/25	2025/26	2026/27	2027/28	2028/29
Facilities and I	Maintenance Projects				-				
CIP-3014	Verano Well Tow-Behind	Provided Verano well is producing by fiscal year 2024/2025, this generator will be	-	-	-	86,458	-	-	-
	Generator	necessary to maintain consistent system performance during PSPSs and emergencies.							
CIP-3015	Caltrans Project on Hwy 12	Work done by Caltrans affecting District facilities.	50,000	-	50,000	-	-	-	-
CIP-5107	County of Sonoma Paving Projects requiring adjustments and or relocation of District facilities	Work done by the County of Sonoma affecting District facilities on Cherry Avenue and Riverside Drive.	-		-	115,278	65,070	66,781	68,538
CIP-6001	New Services	Customer pays 100%.	-	-	-	-	-	-	-
CIP-6004	All Service Replacements	All service replacements combined.	-	59,000	59,000	59,000	59,000	59,000	59,000
CIP-8100	Valve Replacement Program	Valve replacement for system reliability and control.	-	59,000	59,000	59,000	59,000	59,000	59,000
CIP-9300	Meter Replacement Program	Part "roll-over" moving to supported software and shifting from a physical server to cloud based. Remainder is to buy and install one new AMI collector for better system backhaul. The AMI meters will need to be replaced beginning year 7 to stay ahead of battery life expectancy.	-	-	-	-	-	-	300,000
CIP-3047	Seismic Vulnerability Assessment (LHMP)	From LHMP. District to pay 100% of assessment. District will seek FEMA grant funds for resulting projects.	21,758	228,242	250,000	-	-	-	-
CIP-3050	Lead Service Line Inventory	LCRR - Required by federal EPA.	-	73,010	73,010	-	-	-	-
TBD	Replace Vac Truck	The Vac trucks are critical emergency and leak response vehicles. It is important to replace them while they are still very reliable (est. 15 years). It is also suggested that the next replacement be a purpose-built machine, and the District no longer rehabilitate the trailer-style vactor units for use on a truck.	-	-	-	-	443,660	-	-
TBD	Small Dump Truck Replacement	Move to Diesel	-	-	-	-	-	-	124,614
TBD	Facility cameras replace all/ same brand		-	-	-	23,056	-	-	-
CIP-3053	Spare Generator purchase	In case of faillure in generator (The District operates many older generators that may fail at any time).	-	109,007	109,007	-	-	-	-
CIP-3054	IPMHG Assessment	Assess the value of installing inpipe micro hydro generators at specific locations in the distribution systme. This may lead to further engineering and equipment purchases.	-	8,000	8,000	-	-	-	-
CIP-2991	GPS Facilities	Finish GPSing the meters and valves. Assumes \$50 per location.	-	59,000	59,000	59,000	59,000	59,000	-
CIP-3055	District Device upgrade	Equiptment upgrades needed to facilitate mobile workorder systems. Includes mounting, software, 3 laptops, 1 desktop, 2 ipads.	-	21,384	21,384	-	-	-	-
CIP-3056	Temelec Area Irrigation service line abandonment	Re-evaluate after first year for future funding.	-	59,000	59,000	-	-	-	-
CIP-3057	1-1/2 & 2" PB service line replacement	Re-evaluate after first year for future funding.	-	59,000	59,000	59,000	-	-	-
CIP-3058	Boardroom Upgrade		-	40,436	40,436	-	-	-	-
TBD	Electric Forklift	6,000 LB capacity with pneumatic tires	-	-	-	-	79,267	-	-
CIP-3059	Roof Repair on Main Office Building	Leaking roof caused framing damage.	-	44,929	44,929	-	-	-	-
CIP-3060	SDC Evaluation	Evalute water treatment plant and transmission systems for needed upgrades and provide OPC for construction.	-	280,809	280,809	-	-	-	-
TBD	Water Master Plan - Prioritized CIP List	Develop and updated WMP prioritized CIP List	-	151,597	151,597	-	-	-	-
TBD	Placeholder	vehicles/equipment etc.	-	-	-	194,811	228,201	303,552	311,536
Total Facilities and Maintenance Projects			71,758	1,252,415	1,324,173	655,602	993,198	547,334	922,688

Project #	Project	Improvement Description	CIP Roll Over	Proposed CIP	Total CIP Buget	2	3	4	5
			2023/24	2024/25	2024/25	2025/26	2026/27	2027/28	2028/29
Pipeline Projects									
	Improvement	Replace existing 6-inch and 8-inch PVC and ACP water mains with new 12-inch PVC water mains along Arnold Drive, replace existing 6-inch pipe with new 8 and 12-inch pipe adjacent to Altamira Middle School, replace 15 existing service connections, and replace three existing fire hydrants.	136,236	-	136,236	1,800,000	1,800,000	-	-
	• •	Replace existing 6-inch PVC and HDPE water mains with new 8-inch PVC water mains, and replace two existing fire hydrants.	-	-	-	-	236,619	947,083	-
	Replacement (NOT IN 2019 WMP)	Replace existing 4-inch ACP water mains with new 8-inch PVC water mains, replace 78 existing service connections, and replace existing fire hydrants in the Madrone/Glenwood area. District to coordinate with Fire Department to determine if additional hydrants are needed. These hydrants would be funded by the Fire Department.	-	-	-	-		303,552	1,433,063
TBD	Orleander Hill - Steel Pipe	Replace or abondon steel pipe.	-	-	-	-	59,000	-	-
TBD	Richards - Steel Pipe	Replace or abondon steel pipe.	-	-	-	-	-	59,000	-
TBD	Carmel - Steel Pipe	Replace or abondon steel pipe.	-	-	-	-	-	-	59,000
Total Pipeline Projects			136,236	-	136,236	1,800,000	2,095,619	1,309,635	1,492,063

					Total CIP				
Project #	Project	Improvement Description	CIP Roll Over	Proposed CIP	Buget	2	3	4	5
			2023/24	2024/25	2024/25	2025/26	2026/27	2027/28	2028/29
Wells, Pumping, & Supply									
CIP-2987-1	Chestnut Exploratory Well. Drill & Develop production well.	Develop a minimum 100gpm District owned Well. Phase 1, Rolling over funds from FY23/24 for engineering of the final production well. If funded starting FY25/26.	•	-	-	600,000	76,760	76,760	76,760
CIP-2987-2	Chestnut Exploratory Well. Outfit and add treatment system.	Develop a minimum 100gpm District owned Well. Phase 2		1	-		135,640	135,640	135,640
CIP-2989	Redrill Park	Drilled next to & operated with existing well. Develop a minimum 100gpm District owned Well.	575,906	-	575,906	-	-	-	-
CIP- 3027	WMP: P-10. SDC - Glen Ellen Booster	Booster to be installed at SDC to boost water from lower zones into Glen Ellen for fire flow or other needed transfers	-	-	-	-	-	303,552	280,382
CIP-3046	Pump Station Battery Wall	A battery wall would operate the remote site during power outages unless a large power demand occurs (i.e. water pumps are called by SCADA) in which case the existing generator would turn on and supply the needed power. This would reduce the number of fuel deliveries needed in an emergency, increasing the District's staff time to respond to the emergency in other ways (i.e. leak response/system inspections etc.)	43,850	-	43,850	,	-	,	
CIP-3061	Recommended in Energy Eval report 2024 - Donald well pump replacement	Replace well pump with high efficiency, add VFD, video well, replace column pipe & add sounding tube.	-	77,300	77,300	-	-	-	-
CIP-3062	Recommended in Energy Eval report 2024 - Hannah BPS	Replace both pumps with high efficiency, (In house staff). Includes \$7K for two Badger meters that will allow SCADA and AMI data.	-	32,574	32,574	•	-	-	-
TBD	Recommended in Energy Eval report 2024 - Agua Caliente well pump replacement	Replace well pump with high efficiency, add VFD, video well, replace column pipe & add sounding tube.	-	-	-	-	103,402	-	-
TBD	Replace Generator at AC Booster	This Generator is now 24 years old and is beginning to experience mechanical issues. It is proposed that this generator be replaced with a Blue Star Final Tier 4 generator.	-	-	-	34,583	-	-	-
CIP-3063	Add SCADA to Larbre well	Improve data and controllability.	-	16,849	16,849	-	-	-	-
Placeholder	Future pump replacements	This will result in further projects from the 2024 Energy Evaluation report.	-	-	-	23,056	-	24,284	24,923
Total Wells			619,756	126,722	746,478	657,639	315,802	540,236	517,705
Tanks									
CIP-2986	Richards (Kearney) Tank Site	1 MG Tank at Richards Avenue would increase the system storage capacity and therefore the time available to respond to a water outage from the wholesaler (Sonoma Water). This project also renders WMP: P-9 "Agua Caliente Road Transmission Improvement" unnecessary, saving over \$1 million. Engineering proposed in year 4 with construction beginning in year 5.	-	1	-		473,237	242,842	242,842
CIP- 3029	Bolli Tanks Recoating & Railing/Solar Retrofit	Original interior coating is failing. Good time to add the required handrails and add solar mounting brackets. Includes \$50K for two electric water mixers.	-	-	-	1,095,136	-	-	_
CIP- 3031		This is the last tank in the system with the old "cold-tar" interior coating. The coating is cracked and no longer providing protection to the steel tank. This is a good time to add the required railing, solar mounting brackets, and new mag rod cathodic protection in both Temelec tanks and Chestnut tank. Includes \$200K for road paving at Temelec.		1,185,012	1,185,012	,,			
CIP-3064	Replace section Sobre Vista 30K roof.		_	16,849	16,849	-	-	-	
TBD	Tank Cleaning & Inspection	All tanks	-	-	-	-	59,155	-	-
Total Tanks			-	1,201,860	1,201,860	1,095,136	532,392	242,842	242,842
		Total	FY 23-24	FY 24-25	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
		Total Water System Improvements:	\$ 827,750	\$ 2,580,998	\$ 3,408,748	\$ 4,208,377	\$ 3,937,011	\$ 2,640,046	\$ 3,175,297

August 6, 2024

Item: 8.B

MEMORANDUM

TO: Valley of the Moon Water District Board of Directors

FROM: Matt Fullner, General Manager

SUBJECT: Discuss SB 1255 and Consider Joining the Association of California Water Agencies

(ACWA) Coalition to Oppose the Bill by Directing Staff to Fill Out the Online Form

Background:

The Association of California Water Agencies issued the attached outreach alert regarding SB 1255 with an "Oppose-Unless Amended" stance. The alert reads in part "This bill would require each retail water supplier that serves more than 3,300 connections to establish a water low-income rate assistance (LIRA) program with specified minimum requirements, some of which are unworkable." Among those "unworkable" requirements are the provision that our customers opt-out of the voluntary additional payments to support the program, rather than an opt-in provision, and the provision that not more than 10% of the additional revenue generated could be used to administer the program. As the alert points out, the actual revenue generated is unknown, and 10% of it is likely not sufficient to administer the program for the District.

Also attached is the ACWA SB 1255 letter to the Assembly Appropriations Committee from ACWA.

Recommendation:

Join the Association of California Water Agencies (ACWA) Coalition to Oppose the Bill by Directing Staff to Fill Out the Online Form.

Attachment:

- ACWA Outreach Alert, including links to additional information and the online form; and
- ACWA Letter to the Assembly Appropriations Committee





LEGISLATIVE | LOW-INCOME RATE ASSISTANCE July 17, 2024

Members Urged to Contact Legislators, Join Coalition Opposing SB 1255 – An Unworkable Low-Income Rate Assistance Bill

ACWA is urging member agencies to contact their legislators to share concerns about SB 1255 (Durazo, D-Los Angeles) and join ACWA's SB 1255 Oppose-Unless-Amended Coalition. This bill would require each retail water supplier that serves more than 3,300 connections to establish a water low-income rate assistance (LIRA) program with specified minimum requirements, some of which are unworkable.

The Assembly Appropriations Committee will consider SB 1255 after the Legislature returns on Aug. 5, and the bill could quickly advance to the Assembly Floor for a vote in early August.

A water LIRA program needs to be workable and efficient. ACWA has an oppose-unless-amended position on SB 1255 and has submitted recommended amendments to the author. While the author has accepted some amendments, she has not accepted other amendments that would address fundamental issues. ACWA's most recent suggested amendments are outlined in a <u>comment letter</u> to the Assembly Utilities and Energy Committee.

For example, the bill proposes that the funding source would be voluntary contributions with a notice provided, but the bill proposes an "opt-out" mechanism under which customers who would not receive the assistance would be charged the voluntary contribution unless they affirmatively opted out of program. ACWA is suggesting an "opt-in" approach instead. As another example, the bill would limit the system's "reasonable" administrative costs for the program to not more than 10% of the voluntary contributions received, even though the contributions received amount is completely uncertain and would, for some ACWA member agencies, very likely not be sufficient to fund one position to administer the program.

Since the author has not accepted the needed amendments, ACWA is working to stop the bill, and ACWA member outreach to legislators will be essential. ACWA needs member agencies to take the following steps:





Take Action Now

- Contact your Assembly members in July to share your agency's opposition to this bill and
 urge them to vote "No" when the Assembly takes up the bill. <u>Talking points</u> are available to
 assist in these conversations. Contact information is available on the <u>Assembly's website</u>.
 We suggest that you also contact your legislators' local office.
- 2. Join the Coalition. ACWA urges member agencies that serve drinking water to join ACWA's SB 1255 Oppose-Unless-Amended Coalition. Please complete the <u>online form</u> to join the coalition as soon as possible. Your organization will be listed on coalition letters and floor alerts that are consistent with ACWA's letters and recommended amendments.
- **3. Contact Assembly Appropriations Committee members** If your local assembly member is on the Assembly Appropriations Committee, it's important that you contact them and urge them to vote to hold the bill in committee as fundamental issues have not been addressed. The members of that committee are:

Assembly member Buffy Wicks (D – Oakland)

Assembly member Kate Sanchez (R – Rancho Santa Margarita)

Assembly member Joaquin Arambula (D – Fresno)

Assembly member Isaac Bryan (D – Los Angeles)

Assembly member Lisa Calderon (D – Whittier)

Assembly member Wendy Carrillo (D – Los Angeles)

Assembly member Diane Dixon (R – Newport Beach)

Assembly member Mike Fong (D – Alhambra)

Assembly member Timothy Grayson (D – Concord)

Assembly member Matt Haney (D – San Francisco)

Assembly member Gregg Hart (D – Santa Barbara)

Assembly member Jim Patterson (R – Fresno)

Assembly member Gail Pellerin (D – Santa Cruz)

Assembly member Tri Ta (R – Westminster)

Assembly member Carlos Villapudua (D – Stockton)

Background



UTREACH ALERT

Until June 5, SB 1255 was a study bill regarding water affordability at systems with fewer than 3,000 connections. It did not propose a mandate on public water agencies. The author and sponsors (Leadership Counsel for Justice and Accountability, Clean Water Action and Community Water Center) did not add the proposed LIRA mandate until the June 3 version, when the bill was already in the second house. The proposal was added with two months (June and August) left in the two-year Session.

The sponsors shared an advance copy of the June 3 amendments, so ACWA's State Legislative Committee considered the bill (as proposed to be amended) on May 31 and took an oppose-unless-amended position. The committee's SB 1255 Working Group guided the development of ACWA's suggested amendments. ACWA submitted a position letter on June 17 with a detailed mockup. In response to ACWA's letter and mockup, Senator Durazo immediately made some helpful amendments which went into print on June 19. However, those amendments did not address significant concerns about the bill (e.g., the opt-out approach or administrative costs cap).

On June 21, ACWA submitted an updated position letter with an updated mockup (reflecting the June 19 version) to the Assembly Environmental Safety and Toxic Materials Committee (AESTM). The AESTM Committee's analysis was based on the new June 19 version and included ACWA's opposition arguments. On June 25, the committee heard the bill with ACWA and the California Municipal Utilities Association providing the lead opposition testimony. The committee passed the bill with almost no discussion and with no amendments. The Assembly Utilities and Energy Committee passed the bill on July 1.

Questions

For questions about SB 1255, please contact ACWA Deputy Executive Director <u>Cindy Tuck</u> at (916) 669-2388.



July 22, 2024

The Honorable Buffy Wicks Chair, Assembly Committee on Appropriations 1021 O Street, Suite 8140 Sacramento, CA 95814

RE: SB 1255 (Durazo): Water Rate Assistance Program

POSITION: OPPOSE UNLESS AMENDED

Dear Chair Wicks:

The Association of California Water Agencies (ACWA) has an "Oppose-Unless-Amended" position on SB 1255. This bill proposes to require retail water suppliers with more than 3,300 residential connections to implement a water low-income rate assistance (LIRA) program. ACWA agrees with the intent of the bill. However, SB 1255 would create fiscal uncertainties, and the proposed approach would not allow for successful implementation of the program. ACWA urges the Assembly Committee on Appropriations to hold the bill unless it is amended as suggested in ACWA's mockup (attached). Following are examples of concerns.

<u>Uncertain Funding Levels</u> – The bill would rely on <u>voluntary</u> contributions from ratepayers who would not receive the assistance. The funding (i.e., total amount of the contributions) for any public water agency's SB 1255 program would be completely uncertain.

"Voluntary" Contributions (Opt-Out) [Section 116932 (c)(d)(e)] — The bill proposes an "opt-out" approach with notice, but many ratepayers would likely not see the notice (e.g., if their water bills are on automatic payment). So many noneligible ratepayers would be charged the "voluntary" contributions when they were not aware they could opt out. This would set up a negative reputation for the program from the start. Customers could opt out and seek refunds, but that would create even more funding uncertainty. ACWA is suggesting an "opt-in" approach.

Funding Conundrum (Administrative Costs) [Section 116931 (c)(2)] — Beginning July 1, 2027, the bill would cap administrative costs for the program at not greater than ten percent of the voluntary contributions. This cap would not work because of the uncertain funding amount. As an example, to have the cost covered for one position to administer this program (e.g., \$70,000 salary plus \$30,000 in benefits), the agency would have to receive over \$1,000,000 in voluntary contributions each year, which is highly unlikely for many public water agencies. Agencies could not use rate revenue from noneligible ratepayers to cover the difference because that would violate Proposition 218 (the State Constitution). This provision needs to be deleted.



<u>Communities with Many Ratepayers Just Above Eligibility</u> – Residential ratepayers with an annual household income of no greater than 200 percent of the federal poverty guidelines would be eligible for assistance. ACWA agrees with that threshold. However, funding the proposed rate assistance program would be extremely challenging for communities where many of the noneligible ratepayers have annual household incomes that are not much above the eligibility threshold.

Application of Bill Credit – Drinking Water Not Wastewater [Section 116931 (b)(2)] – SB 1255 should limit the bill credit to drinking water charges and not apply it to wastewater charges. SB 1255 would provide that if wastewater charges were on the same bill as drinking water charges, the bill credit would have to be applied for the wastewater charges also. This aspect is problematic. For example, some public water agencies provide drinking water service to all of their customers and wastewater services to some of their customers, etc. There is an equity issue if some customers receive a credit for wastewater charges and some customers (who are billed only for drinking water on the water bill) do not receive that additional credit.

<u>Use of Arrearage Data - Needs Assessment</u> [Section 116772 (c)(2)(A) and (B)] — The bill should not require the collection and use of arrearage data to estimate what funding is needed for a LIRA program for community water systems with fewer than 3,300 connections. Arrearages are <u>not</u> a good basis for estimating this funding need. Arrearages for nonpayment exist for multiple reasons. Some ratepayers with high incomes may have not paid their bills, and there will be ratepayers with low incomes who have paid their water bills and do not have arrearages, etc. ACWA suggests that the State use existing **income** information the State has and estimate the number of low-income ratepayers for these systems.

<u>Incomplete Process</u> - the bill was amended in the second house on June 3 to propose a major new program — a water LIRA program. No Senate policy committee has heard the proposal, and the Senate Appropriations Committee has not heard the proposal.

There can be a workable and efficient State water LIRA program in California. However, **ACWA** has serious concerns that SB 1255 cannot be successfully implemented. ACWA remains opposed to SB 1255 unless it is amended as suggested in the attached mockup. We urge your "NO" vote when the Assembly Committee on Appropriations hears the bill. If you have any questions, please contact me at (916) 669-2388 or at cindyt@acwa.com.

Sincerely,

Cindy Tuck

Deputy Executive Director

Cindy Tuck

Attachment: Mockup: ACWA Recommended Amendments to SB 1255 (Durazo) (Starts on Page 4)



cc: The Honorable Maria Elena Durazo
Honorable Members, Assembly Committee on Appropriations
Jacqueline Kinney, Consultant, Assembly Committee on Appropriations
Gino Folchi, Consultant, Assembly Republican Caucus



ATTACHMENT

Association of California Water Agencies Recommended Amendments to SB 1255 (Durazo) – June 19, 2024 Version

Inserts Shown with Red Underscore and Bold Deletions Shown with Red Strikeout and Bold June 25, 2024

SECTION 1.

The Legislature finds and declares all of the following:

- (a) Existing state law declares that it is the established policy of the state that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes.
- (b) In 2015, the Legislature passed Assembly Bill 401 (Chapter 662 of the Statutes of 2015) that required the State Water Resources Control Board to develop a plan, informed by the public and the State Board of Equalization, for statewide low-income rate assistance for water.
- (c) In 2020, the state board released a report pursuant to Assembly Bill 401, which is entitled "Recommendations for Implementation of a Statewide Low-Income Water Rate Assistance Program," that found that it would take over \$140,000,000 annually to create a low-income water rate assistance program.
- (d) However, the cost of water has continued to rise, outpacing the rate of inflation and putting too many California families at risk of water shutoffs.
- (e) Many larger systems in California could provide ratepayer assistance, but are limited by Proposition 218. The Legislature should develop tools for larger water systems to provide more assistance to ratepayers without violating Proposition 218.
- (f) Further, the options available to aid small water systems vary from those available to larger water systems, and include ongoing operations and maintenance assistance for some systems that serve all or nearly all low-income households.
- (g) Therefore, to inform future legislation, the state board should develop regularly updated data on resources needed to support small water systems to guide the creation of a future program to fulfill the right of customers of these systems to affordable drinking water and wastewater.



SEC. 2.

Section 116772 of the Health and Safety Code is amended to read:

116772.

- (a) (1) By January 1, 2021, the board, in consultation with local health officers and other relevant stakeholders, shall use available data to make available a map of aquifers that are at high risk of containing contaminants that exceed safe drinking water standards that are used or likely to be used as a source of drinking water for a state small water system or a domestic well. The board shall update the map annually based on new and relevant data.
- (2) The board shall make the map of high-risk areas, as well as the data used to make the map, publicly accessible on its internet website in a manner that complies with the Information Practices Act of 1977 (Chapter 1 (commencing with Section 1798) of Title 1.8 of Part 4 of Division 3 of the Civil Code). The board shall notify local health officers and county planning agencies of high-risk areas within their jurisdictions.
- (b) (1) By January 1, 2021, a local health officer or other relevant local agency shall provide to the board all results of, and data associated with, water quality testing performed by a laboratory that has accreditation or certification pursuant to Article 3 (commencing with Section 100825) of Chapter 4 of Part 1 of Division 101 for a state small water system or domestic well that was collected after January 1, 2014, and that is in the possession of the local health officer or other relevant local agency.
- (2) By January 1, 2022, and by January 1 of each year thereafter, all results of, and data associated with, water quality testing performed by a laboratory that has accreditation or certification pursuant to Article 3 (commencing with Section 100825) of Chapter 4 of Part 1 of Division 101 for a state small water system or domestic well that is submitted to a local health officer or other relevant local agency shall also be submitted directly to the board in electronic format.
- (c) (1) On or before July 1, 2026, and on or before July 1 of each three years thereafter, the board, in consultation with the advisory group established pursuant to Section 116768.5 and appropriate stakeholders, shall update the needs analysis of the state's public water systems to include an assessment of the funds necessary to provide a 20-percent bill credit for low-income households served by community water systems with fewer than 3,300 service connections and for community water systems with fewer than 3,300 service connections to meet the affordability threshold established pursuant to Section 116769.



- (2) To develop this assessment, the board shall do all of the following <u>for</u> <u>community water systems with fewer than 3,300 connections</u>:
- (A) Obtain income information from one or more State agencies that have the income information as to which ratepayers for those systems have an annual household income that is no greater than 200 percent of the federal poverty guideline level. Collect arrearage data from water systems not regulated by the Public Utilities Commission and request data from the Public Utilities Commission on those systems they regulate.
- (B) Estimate the number of households in need of assistance using arrearage data as well as information provided by the United States Census Bureau or other comparable data source.
- (B) (C) Identify available data on water rates charged by those community water systems with fewer than 3,300 service connections.
- (C) (D) Report the number of those systems for which the rates data was unavailable. Where data is unavailable for a water system, use an average of existing data to estimate the level of need for that system.

SEC. 3.

Chapter 6.5 (commencing with Section 116930) is added to Part 12 of Division 104 of the Health and Safety Code, to read:

CHAPTER 6.5. Water Rate Assistance Programs

116930.

For purposes of this chapter, the following definitions apply:

- (a) "Affordability programs" means any of the following programs:
- (1) CalWORKs.
- (2) CalFresh.
- (3) General assistance.
- (4) Medi-Cal.
- (5) Supplemental Security Income or the State Supplementary Payment Program.
- (6) California Special Supplemental Nutrition Program for Women, Infants, and Children.
- (7) California Alternate Rates for Energy program.



- (8) Family Electric Rate Assistance program.
- (b) "Available information" means any of the following:
- (1) Information provided pursuant to an agreement entered into pursuant to Section 116933 for the purposes of documenting the residential ratepayer's participation in an affordability program.
- (2) A benefits award letter provided by the residential ratepayer documenting that the customer is an enrollee in, or is a recipient of, an affordability program.
- (3) Self-certification of eligibility, under penalty of perjury, by the residential ratepayer.
- (c) "Balancing account" means a reserved amount of sufficient funding to address fluctuations in voluntary contributions received or changes in eligible ratepayers, not to exceed 25 percent of the annual expenditures of the program.
- (d) "Crisis assistance" means direct bill credits to accounts of eligible ratepayers to reduce accrued arrearages.
- (e) "Eligible ratepayer" means a low-income residential ratepayer with an annual household income that is no greater than 200 percent of the federal poverty guideline level.
- (f) "Program" means a water rate assistance program established pursuant to this chapter.
- (g) "Qualified system" means any retail water supplier that serves over 3,300 residential connections.
- (h) "Residential ratepayer" means an accountholder of a qualified system who resides in a single-family or multifamily residence and who receives a bill from a qualified system for water service.
- (i) "State board" means the State Water Resources Control Board.
- (j) "Voluntary contributions" means funds voluntarily remitted by ratepayers to qualified systems that are not derived from fees or assessments pursuant to Section 4 or 6 of Article XIII D of the California Constitution.

116931.

- (a) On or before July 1, 2027, a qualified system, other than a system meeting the requirements of subdivision (f), shall establish a program meeting the minimum requirements of subdivision (b) and begin providing water rate assistance to eligible ratepayers in compliance with this chapter.
- (b) A program offered pursuant to this chapter shall, at a minimum, include both of the following:



- (1) Automatic enrollment of eligible ratepayers if available information indicates that they are qualified to receive assistance.
- (2) (A) Provision of a bill credit for eligible ratepayers of no less than 20 percent of the drinking total water charges, and, if present on the bill, wastewater charges, for a volume of water approximately similar to that identified in Section 10609.4 of the Water Code or, if the eligible ratepayer uses less, the actual volume used. In the event there is not sufficient funding, including any balancing account funds, to support a 20-percent bill credit, the program shall provide the maximum bill credit available that funding is able to support, unless the maximum bill credit available that funding is able to support is less than 10 percent, in which case the qualified system shall instead provide crisis assistance to the extent funds are available consistent with subdivision (j). The bill credit may be applied pursuant to subparagraph (B).
- (B) The qualified system may select the element or elements of the **drinking** water charges, pursuant to subparagraph (C), upon which the bill credit is applied or may elect to provide a bill credit as a set percentage of the total water bill, provided that the total bill credit is equivalent in value to the bill credit required by this paragraph.
- (C) Element, or elements, of the drinking water charges upon which the bill credit may be applied include, but are not limited to, the fixed, volumetric, or fixed and volumetric charges levied by the system.
- (c) (1) On or before September 1, 2026, for the reasonable costs associated with the administration of this chapter and to establish **initial** program funding, a qualified system may begin collecting voluntary contributions. Reasonable costs include administrative costs associated with this chapter and for providing notice to ratepayers pursuant to this chapter.
- (2) Beginning July 1, 2027, the reasonable costs associated with the administration of this chapter shall not exceed 10 percent of voluntary contributions collected pursuant to this section.
- (d) In establishing a program pursuant to this section, a qualified system may establish a balancing account to manage fluctuations in voluntary contributions and the granting of bill credits to eligible ratepayers.
- (e) This section does not require a qualified system to use funds other than voluntary contributions collected pursuant to Section 116932 to provide rate assistance to eligible ratepayers or to pay for associated administrative costs. A qualified system may use other funds available for this purpose that are not derived from fees or assessments pursuant to Section 4 or 6 of Article XIII D of the California Constitution.
- (f) (1) Any qualified system that offers an existing water rate assistance program on or before September 1, 2026, that meets the minimum enrollment and bill credit requirements specified in subdivision (b) by July 1,



2027, shall not be required to comply with this chapter, but may collect voluntary contributions pursuant to Section 116932 to supplement or expand the existing program or to provide crisis assistance. If an existing water rate assistance program of a qualified system no longer meets the minimum enrollment and bill credit requirements specified in subdivision (b), the qualified system shall meet the requirements pursuant to Section 116931 and Section 116932 within 2 years.

- (2) Nothing in this chapter shall prohibit a qualified system from offering assistance to residential ratepayers that does either, or both, of the following:
- (A) Provides a greater bill credit benefit.
- (B) Exceeds the definition of low income as specified in this chapter for ratepayer eligibility.

(3) [PLACEHOLDER FOR REFINEMENTS AND/OR POSSIBLE ADDITIONAL OPTION(S) FOR OTHER EXISTING PROGRAMS.]

- (g) Any public water system that is not a qualified system may collect voluntary contributions to fund a water affordability program, but is not required to comply with this chapter.
- (h) A qualified system may require verification of eligibility from a sample of enrolled eligible ratepayers on an annual basis or less frequently to verify the ratepayer's low-income status and eligibility for assistance. A qualified system may remove any ratepayers found to not be eligible for assistance from this program.
- (i) A qualified system shall continue to have a program pursuant to this chapter as long as there is sufficient funding available pursuant to Section 116932 to provide water rate assistance or crisis assistance, pay for the qualified system's reasonable costs for administration of the program, and establish a balancing account if the qualified system chooses to do so.
- (j) (1) If, after three months of accepting voluntary contributions, the qualified system can demonstrate there will not be sufficient funds to support a program at a minimum of a 10-percent discount or five dollars (\$5) per month, whichever amount is greater and adjusted for the consumer price index after July 1, 2027, and pay for the qualified system's reasonable costs for administration of the program, the system shall instead use the collected contributions to provide ongoing—crisis assistance and pay for the qualified system's reasonable costs for administration of crisis assistance. Crisis assistance shall be offered on or before July 1, 2027. When funding is available that exceeds the administrative costs, cGrisis assistance shall be offered to eligible ratepayers, at a minimum, when a qualified system provides notice pursuant to Section 116908 or when the eligible ratepayer customer—contacts the qualified system about a delinquent account. For this purpose, a delinquent account means an account that is 90 days past due.



(2) Crisis assistance shall only be provided to an eligible ratepayer once per year and limited to an amount determined by the qualified system, taking into account the overall past due amount and available funding. To the extent the amount of crisis assistance provided does not eliminate an eligible ratepayer's arrearages, the ratepayer mayshall enter into an amortization agreement, alternative payment schedule, or plan for deferred or reduced payment, pursuant to Section 116910, to be eligible for crisis assistance.

116932.

- (a) On or before September 1, 2026, a qualified system <u>offering a program</u> <u>pursuant to this chapter</u> shall provide an opportunity for each ratepayer of the system <u>who has opted in pursuant to this section</u> to provide a voluntary contribution as part of the ratepayer's water bill to provide funding for the qualified system's program.
- (b) A qualified system shall establish a recommended voluntary contribution amount on the bill of each for ratepayers other than an eligible ratepayer based on available information as of July 1, 2026, at a level intended to raise sufficient funding to provide a bill credit to eligible ratepayers pursuant to paragraph (2) of subdivision (b) of Section 116931, pay for the qualified system's administrative costs to implement this chapter beginning January 1, 2025, and establish a balancing account if the qualified system chooses to do so. When setting the recommended voluntary contribution, a qualified system shall assume that XX60 percent of ratepayers other than eligible ratepayers will opt in to providinge the contribution. After January 1, 2028 On or before July 1, 2027, a qualified system may adjust the recommended voluntary contribution, as necessary, considering the previous year's actual participation rate. The recommended voluntary contribution shall not exceed 5 percent of the charges for drinking water and wastewater on the water bill for any residential ratepayer.
- (c) On or before July 1, 2026, A bill from a qualified system shall identify the option to opt in to providing a label the voluntary contribution in a way that describes the purpose of the funds. The qualified system shall notify their ratepayers of the option to provide a voluntary contribution and, in a visually accessible manner and using clear and unambiguous language, shall provide each ratepayer the option and method of opting in to out of providing the voluntary contribution at least three months prior to beginning collection of the voluntary contribution, and thereafter on at least an annual basis. If a ratepayer opts in to providing the voluntary contribution, the vVoluntary contributions shall commence on the qualified system's subsequent billing cycle following from the ratepayer's opt in notice. The qualified system may choose to include alternative amounts for contributions. A qualified system shall also provide this information on its internet website in English, the other languages listed in Section 1632 of the



Civil Code, and any other language spoken by at least 10 percent of the people residing in its service area.

- (d) A ratepayer who opts in to providing a voluntary contribution may opt out of the voluntary contribution at any time in a manner that may be specified by the qualified system and shall be included in the notice in subdivision (c), with voluntary contributions terminating on the qualified system's subsequent normal billing cycle following the opt out and no longer appearing on the ratepayer's bill.
- (e) A ratepayer who opts in to providing a voluntary contribution but subsequently opts out may only request a refund for contributions made since the ratepayer opted outlast notice of opportunity to opt out of the program was provided or for the period of the last billing cycle prior to the date the ratepayer opts out, whichever time period is greater.

 Qualified systems may provide refunds in the form of a bill credit.
- (f) A qualified system shall not sanction, take any enforcement or collection action against, impose any late charge or penalty against, or otherwise hold liable a ratepayer in any manner for exercising the option of not paying a voluntary contribution described in this section.
- (g) The voluntary contributions shall be used only to provide rate assistance to eligible ratepayers, pay for associated administrative costs to implement the program, and establish a balancing account. Administrative costs of establishing the program may be reimbursed from voluntary contributions.
- (h) A qualified system may contract with a third party to receive the voluntary contributions and comply with this section.
- (i) Any partial payment made by a ratepayer that is insufficient to pay for charges on the bill shall be used to pay the qualified system's charges shown on the ratepayer's bill before being attributed to a voluntary contribution.
- (j) No penalty or late fee may be assessed by a qualified system for the failure of a ratepayer to make timely payment of a voluntary contribution described in this section, regardless of whether the ratepayer has exercised the option of not paying a voluntary contribution.
- (k) A qualified system may use any state or federal funds that are available to support a program by offsetting or supplementing the funds collected from voluntary contributions.

116933.

(a) On or before January 1, 2026, the Public Utilities Commission shall establish a mechanism for electrical corporations and gas corporations to provide data to all qualified systems no later than April 1, 2026, and annually by April 1 thereafter, regarding ratepayers enrolled in, or eligible to be



enrolled in, the California Alternate Rates for Energy (CARE) program established pursuant to Section 739.1 of the Public Utilities Code and the Family Electric Rate Assistance (FERA) program established pursuant to Section 739.12 of the Public Utilities Code.

- (b) All qualified systems may enter into agreements with local publicly owned electric utilities and local publicly owned gas utilities, including, but not limited to, municipal utility districts and irrigation districts, for the purpose of regularly receiving data regarding ratepayers enrolled in, or eligible to be enrolled in, affordability programs benefiting eligible ratepayers.
- (c) Data provided pursuant to subdivision (a) or (b) is subject to Section 7927.410 of the Government Code and the Information Practices Act of 1977 (Chapter 1 (commencing with Section 1798) of Title 1.8 of Part 4 of Division 3 of the Civil Code).
- (d) Data provided pursuant to subdivision (a) or (b) shall not be considered a disclosure under Section 1798.83 of the Civil Code.

116934.

Beginning in 2028, the state board shall require qualified systems, in technical reports required by the state board pursuant to Section 116530, to annually report the following:

- (a) The total amount of voluntary contributions collected, the administrative costs of operating the program, the number of eligible households that were provided rate assistance or crisis assistance, and the total amount of rate assistance or crisis assistance provided to eligible households.
- (b) An evaluation of available relevant information regarding any arrearages that remain after application of bill assistance.

116935.

- (a) The Attorney General may bring an action in state court to restrain, by temporary or permanent injunction, the use of any method, act, or practice in violation of this chapter by a qualified system, other than a system that meets the requirements of subdivision (f) of Section 116931, including nonparticipation by a qualified system pursuant to this chapter.
- (b) The Attorney General shall not bring an action against a qualified system for failing to meet the requirements of subdivision (f) of Section 116931, as long as the qualified system makes a good faith effort to raise sufficient funding pursuant to Section 116932.

116936.



The provisions of this chapter are severable. If any provision of this article or its application is held invalid due to a conflict with federal requirements, that invalidity shall not affect other provisions or applications that can be given effect without the invalid provision or application.

116XXX - PLACEHOLDER TO ADDRESS OTHER ISSUES SUCH AS;

- (1) Confidentiality issues related to income data;
- (2) Any tax implications of bill credits.

SEC. 4.

No reimbursement is required by this act pursuant to Section 6 of Article XIII B of the California Constitution because the only costs that may be incurred by a local agency or school district will be incurred because this act creates a new crime or infraction, eliminates a crime or infraction, or changes the penalty for a crime or infraction, within the meaning of Section 17556 of the Government Code, or changes the definition of a crime within the meaning of Section 6 of Article XIII B of the California Constitution.

Item: 8.C

MFMORANDUM

TO: Valley of the Moon Water District Board of Directors

FROM: Matt Fullner, General Manager

SUBJECT: Adopt Resolution No. 240803, authorizing a Water Facilities Installation

Agreement between Valley of the Moon Water District and Kate & Arthur Ringness for a Mainline Extension of 324 feet of 6" Pipe, 1" Service Line, 1" Meter, and 1" RP Backflow Preventer at 18661 Lomita Ave, Sonoma, CA 95476,

APN 127-072-014

Background

The above-referenced customer has approached the District and is requesting a facilities agreement for the infrastructure outlined in the attached draft agreement. The total mainline extension per the draft agreement and plans is 324 feet. 224 feet is needed to cross the full frontage of the two properties immediately south of 18661 Lomita Avenue (APNs: 127-072-011 and 127-072-013), including one that has had service with the District since its inception in 1962. The last 100 feet of the mainline extension would be in front of 18661 Lomita Avenue and will bring the main to the location where the meter needs to be set to serve the new home. There would still be approximately 150 feet from the end of the main to the end of the lot.

Per section 3-3.1 of District Code, main extensions are required to extend "... from the existing facilities across the applicant's complete property frontage." However, due to the low likelihood of future development of nearby properties, and the long property frontage in this case, staff is concerned that the unneeded 150 feet of main would pose a water quality threat due to low/no water turnover. Staff is therefore requesting that the Board approve the agreement and plans as drawn and allow a variance to section 3-3.1 of District Code in this case. Per the usual method, a contractor hired by the customer will be installing the water facilities under the agreement. The District will inspect all work performed and bill the customer for inspection, plan review, sample collection, etc.

Recommendation

Adopt Resolution No. 240803 approving the execution of the attached Water Facilities Installation Agreement and allowing a variance to section 3-3.1.

Attachment

- Resolution No. 240803
- Draft Agreement

RESOLUTION NO. 240803

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE VALLEY OF THE MOON WATER DISTRICT APPROVING A WATER FACILITIES INSTALLATION AGREEMENT WITH KATE & ARTHUR RINGNESS

WHEREAS, Kate & Arthur Ringness, have requested a water facilities installation agreement with the Valley of the Moon Water District (District) for that certain property known as 18661 Lomita Ave, Sonoma, CA 95476, APN 127-072-014; and

WHEREAS, due to special circumstances in this case, staff recommends granting a variance to section 3-3.1 of District Code, that would otherwise require the applicant to install an additional 150 feet of mainline and pose a threat to water quality.

NOW, THEREFORE, IT IS HEREBY RESOLVED by the Board of Directors of the Valley of the Moon Water District, that the variance to District Code section 3-3.1 is granted and the General Manager of the District, be, and hereby is, authorized and directed to execute a water facilities installation agreement with Kate & Arthur Ringness, a copy of which is attached hereto and incorporated herein, along with any minor modifications approved by the District Counsel.

Water Facilities Installation Agreement Between Valley of the Moon Water District And Kate & Arthur Ringness

PURPOSE

This Agreement is entered into on	_, by Valley of the Moon Water District (VOMWD)
and Kate & Arthur Ringness, hereinafter collectively	known as Parties, to outline the conditions,
responsibilities, and financial arrangements relating to	o the installation of certain water facilities at 18661
Lomita Ave, Sonoma, CA 95476, APN 127-072-014	(Project).

FACILITIES

- 1. The water facilities upgrade consists of a main extension from the existing end of the 6" mainline pipe. The current mainline is located at 18681 Lomita Ave (APN 127-072-011), which is two properties south of the project property. These facilities will include a 1" service line, 1" meter, and 1" RP backflow preventer device to be installed for use on the property. These facilities are all located on property owned by Kate & Arthur Ringness.
- 2. The mainline to be tapped is owned by VOMWD and is located on property owned by the County of Sonoma.
- 3. Installation of the facilities described in paragraph 1, above, is subject to the terms and conditions outlined herein.

CONSTRUCTION

Construction of the water facilities, addressed by this Agreement, shall be solely the responsibility of Kate & Arthur Ringness and their duly designated contractor per the following conditions:

- 1. All plans, materials, and construction practices relating to the water facilities shall be approved by VOMWD prior to beginning the work and must incorporate the applicable portions of VOMWD's Specifications, attached hereto as **Exhibit B** and incorporated herein by reference.
- 2. Any difference between VOMWD's standards and the drawings included as **Exhibit A** or actual construction must be approved in writing by VOMWD.
- 3. Kate & Arthur Ringness shall be solely responsible for obtaining all permits needed to proceed with the construction of the water facilities.
- 4. Kate & Arthur Ringness shall provide reliable supervision of all work necessary to install the water facilities.
- 5. All work shall be done by a contractor licensed in accordance with the provisions of Division 3, Chapter 9, or the Business and Professions Code of the State of California. Kate & Arthur Ringness shall supply VOMWD with the name(s) and license number(s) of any and or all contractors employed to work on the Project.

INSPECTION

Kate & Arthur Ringness shall keep VOMWD informed of the progress of the work. VOMWD shall make inspections of the work, as it deems necessary. Under no circumstances shall any backfill be placed prior to inspection by VOMWD staff. Connection to VOMWD's mainline shall be made only under the direction of VOMWD staff.

INDEMNIFICATION

To the fullest extent permitted by law, Kate & Arthur Ringness shall indemnify and hold harmless and defend VOMWD, its directors, officers, employees, or volunteers, and each of them from and against:

- 1. Any and all claims, demands, causes of action, damages, costs, expenses, losses or liabilities, in law or in equity, of every kind and nature whatsoever for, but not limited to, injury to or death of any person including VOMWD and/or contractor, or any directors, officers, employees, or volunteers of VOMWD or contractor, and damages to or destruction of property of any person, including but not limited to, VOMWD and/or contractor or their directors, officers, employees, or volunteers, arising out of or in any manner directly or indirectly connected with the work to be performed under this agreement, however caused, regardless of any negligence of VOMWD or its directors, officers, employees, or volunteers, except the sole negligence or willful misconduct or active negligence of VOMWD or its directors, officers, employees, or volunteers;
- 2. Any and all actions, proceedings, damages, costs, expenses, penalties or liabilities, in law or equity, of every kind or nature whatsoever, arising out of, resulting from, or on account of the violation of any governmental law or regulation, compliance with which is the responsibility of Kate & Arthur Ringness;
- 3. Any and all losses, expenses, damages (including damages to the work itself), attorneys' fees, and other costs, including all costs of defense, which any of them may incur with respect to the failure, neglect, or refusal of Kate & Arthur Ringness to faithfully perform the work and all of the obligations under the contract. Such costs, expenses, and damages shall include all costs, including attorneys' fees, incurred by the indemnified parties in any lawsuit to which they are a party.

Kate & Arthur Ringness shall defend, at Kate & Arthur Ringness's own cost, expense, and risk, any and all such aforesaid suits, actions, or other legal proceedings of every kind that may be brought or instituted against VOMWD or VOMWD's directors, officers, employees, or volunteers.

Kate & Arthur Ringness shall pay and satisfy any judgment, award, or decree that may be rendered against VOMWD or its directors, officers, employees, or volunteers, in any such suit, action, or other legal proceeding.

Kate & Arthur Ringness shall reimburse VOMWD or its directors, officers, employees, or volunteers, for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided.

Kate & Arthur Ringness agrees to carry insurance for this purpose. Kate & Arthur Ringness's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by the VOMWD, or its directors, officers, employees, or volunteers.

RELEASE OF LIENS

Kate & Arthur Ringness shall, upon the completion of all installations and work approval thereof by VOMWD, furnish VOMWD, on forms approved by VOMWD, a written release executed by any contractor or other claimant to whom Kate & Arthur Ringness may have become indebted for labor and material, or otherwise, for any installation or work hereunder, as well as a written statement signed by Kate & Arthur Ringness stating there are no unpaid claims or demands against Kate & Arthur Ringness related to any installation of work hereunder.

EASEMENTS/TITLE TO FACILITIES

Title to and ownership of all facilities constructed hereunder by Kate & Arthur Ringness shall vest absolutely in VOMWD, upon completion and acceptance of such facilities by VOMWD.

Kate & Arthur Ringness agree to convey, at no cost to VOMWD, a general service, non-exclusive public utility easement, wherever the water mains, service lines, and appurtenant facilities are installed. The form of easement shall be satisfactory to VOMWD. No water service, other than water for construction or firefighting purposes, shall be provided until all necessary easements are received by VOMWD.

CONVEYANCE OF FACILITIES

Upon satisfactory completion of the installation of the facilities, Kate & Arthur Ringness agrees that within thirty (30) days after notice from the VOMWD of its readiness to acquire the facilities, Kate & Arthur Ringness shall make, or cause to be made, execute, or cause to be executed, and deliver or have delivered, to the VOMWD, such instrument or instruments of conveyance in form and substance satisfactory to the VOMWD, conveying to the VOMWD, at no cost to the VOMWD, a good and sufficient title to the facilities, easements and rights of way as may be necessary or reasonably appropriate. Kate & Arthur Ringness warrants that the title to be conveyed to the VOMWD shall be free and clear of any and all liens, charges, and encumbrances, excepting only current taxes and assessments which may be a lien upon the facilities and that any taxes and assessments which may be assessed against, relate to, and constitute a lien upon the real property, easements, and rights of way, shall be prorated as of the date of conveyance. Provided Kate & Arthur Ringness is not in default hereunder, the VOMWD agrees that it shall give notice of readiness to acquire the facilities within a reasonable time after completion of the installation thereof.

PAYMENT OF COSTS

All costs for the permitting, design, construction and installation of the facilities authorized by this Agreement shall be the responsibility of Kate & Arthur Ringness. Kate & Arthur Ringness will pay VOMWD a flat fee of \$525 for agreement preparation, \$520 for the 1" meter, and \$36,203 for the 1" System Development Charge/Capacity Fee, for a total of \$37,248. This fee is due and payable prior to execution of this Agreement by VOMWD. Additionally, Kate & Arthur Ringness shall pay VOMWD all fees and expenses associated with this project within 15 days of receipt of an invoice from VOMWD. These costs include:

- 1. Hourly charges for inspection, plan review, and associated costs for VOMWD staff time.
- 2. Mileage and other equipment-related costs incurred by VOMWD in the course of inspecting or otherwise working on this project.
- 3. Legal, engineering, or other consultant charges incurred by VOMWD in dealing with this project.

This Agreement constitutes compliance with Government Code sections 54999 et seq.

INSURANCE

Kate & Arthur Ringness and its contractor(s) shall provide evidence of insurance, satisfactory to VOMWD, as described in **Exhibit C**, attached hereto and incorporated herein by reference.

GUARANTEE/BOND

Kate & Arthur Ringness shall guarantee all work performed by Kate & Arthur Ringness's contractor for a period of one (1) year from the date of official acceptance by VOMWD.

RESALE OF WATER PROHIBITED

Kate & Arthur Ringness shall not resell any water furnished pursuant to this Agreement.

ENTIRE AGREEMENT

This Agreement and its exhibits constitute the final, complete, and exclusive statement of the terms of the agreement between the Parties and supersedes all prior and contemporaneous understandings or agreements of the Parties. No party has been induced to enter into this by, nor is any party relying on, any representation or warranty outside those expressly set forth in the Agreement.

SEVERABILITY

If a court or arbitrator of competent jurisdiction holds any provision of this Agreement to be illegal, unenforceable, or invalid in whole or in part for any reason, the validity and enforceability of the remaining provisions, or portions of them, shall not be affected.

SEPARATE WRITINGS AND EXHIBITS

The following exhibits constitute a part of this Agreement and are incorporated into this Agreement by this reference:

Exhibit "A" – Approved Plans for Project Exhibit "B" – VOMWD Specifications Exhibit "C" – Insurance Requirements

Should any inconsistency exist or arise between a provision of this Agreement and a provision of any exhibit, schedule or other incorporated writing, the provision of this Agreement shall prevail, except as otherwise expressly provided in such exhibit (see, e.g. Exhibit "B").

WAIVER

No waiver of a breach, failure of any condition, or any right to remedy contained in or granted by the provisions of this Agreement shall be effective unless it is in writing and signed by the party waiving the breach, failure, right or remedy. No waiver of any breach, failure, right or remedy shall be deemed a waiver of any other breach, failure, right or remedy, whether or not similar, nor shall any waiver constitute a continuing waiver unless the writing so specifies.

SECTION HEADINGS

The headings in the Agreement are included for convenience only and shall not affect the construction or interpretation of any provision of this Agreement nor affect any of the rights or obligations of the Parties

AMBIGUITIES

Any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in interpreting this Agreement.

DISPUTE RESOLUTION

- a. <u>Arbitration Required</u>. The Parties shall submit all disputes relating to this Agreement whether contract, tort, or both, to binding arbitration, in accordance with the California Code of Civil Procedure (CCP) sections 1280 through 1294.2. Either party may enforce the award of the arbitrator under section 1285 of the CCP. The Parties understand that they are waiving their right to a jury trial.
- b. <u>Applicable Rules</u>. Any controversy or claim relating to this Agreement, whether contract, tort, or both, or the breach of this Agreement, shall be arbitrated by and in accordance with the American Arbitration Association ("AAA") Construction Industry despite resolution procedures.
- c. <u>Attorneys' Fees</u>. Each party shall bear its own costs and attorneys' fees, except that the arbitrator's fee shall be divided equally between the Parties. If legal action in court is necessary to enforce the terms of this Agreement or an arbitrator's judgment or award, the prevailing party in that legal action is entitled to reasonable attorneys' fees and court costs.

NOTICES

For notice purposes, the names and address of the PARTIES are: Kate & Arthur Ringness, 3118 Washington St, San Francisco, CA 94115; and VOMWD, VALLEY OF THE MOON WATER DISTRICT, P.O. BOX 280, EL VERANO, CA 95433-0280.

- a. All notices, requests, demands, or other communications under this Agreement shall be in writing. Notice shall be sufficiently given for all purposes as follows:
 - (1) Personal delivery. When personally delivered to the recipient. Notice is effective on delivery.
 - (2) First-class mail. When mailed first class to the last address of the recipient known to the party giving notice. Notice is effective three mail delivery days after deposit in a United States Postal Service office or mailbox.
 - (3) Certified mail. When mailed certified mail, return receipt requested. Notice is effective on receipt, if delivery is confirmed by a return receipt.
 - (4) Overnight delivery. When delivered by overnight delivery (such as Federal Express/Airborne/United Parcel Service/DHL Worldwide Express), charges prepaid or charged to the sender's account. Notice is effective on delivery, if delivery is confirmed by the delivery service.
 - (5) Telex or facsimile transmission. When sent by telex or fax to the last telex or fax number of the recipient known to the party giving notice. Notice is effective on receipt, provided that (a) a duplicate copy of the notice is promptly given by first-class or certified mail or by overnight delivery, or (b) the receiving party delivers a written confirmation of receipt. Any notice given by telex or fax shall be deemed received on the next business day if it is received after 5:00 p.m. (recipient's time) or on a non-business day.
- b. Any correctly addressed notice that is refused, unclaimed, or undeliverable because of an act or omission of the party to be notified shall be deemed effective as of the first date that said notice was refused, unclaimed, or deemed undeliverable by the postal authorities, messenger, or overnight delivery service.
- c. Any party may change its address or telex or fax number by giving the other party notice of the change in any manner permitted by this Agreement.

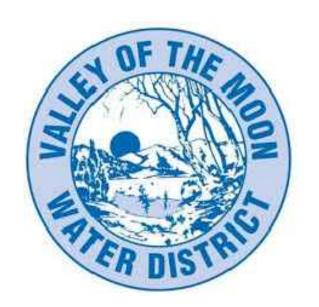
MODIFICATION

This Agreement may be supplemented, amended, or modified only by the mutual agreement of the Parties. No supplement, amendment, or modification of this Agreement shall be binding unless it is in writing and signed by the party to be charged.

IN WITNESS WHEREOF: The Parties hereto have executed this Agreement in duplicate the day and year first above written.

A notary public or other officer completing this the identity of the individual who signed the certificate is attached, and not the truthfulness that document.	doc	cument to which this
State of California County of Sonoma		
Subscribed and sworn to (or affirmed) before me of	on tl	nis day of, 20, by
evidence to be the person(s) who appeared before me.		, proved to me on the basis of satisfactory
(Seal) Signature		
Representative of		Representative of Valley of the Moon Water Distri
Signature:		Signature:
Printed Name:		Printed Name:
Title:		Title:
		Title:

NOTE: If the APPLICANT executing this agreement is a corporation, a certified copy of the bylaws or resolutions of the Board of Directors of said corporation authorizing designated officers to execute this agreement shall be provided to DISTRICT.



WATER MAIN CONSTRUCTION NOTES

- 1. The existing underground utilities are plotted from available records. The contractor shall protect these existing utilities and shall do no excavation until all utility agencies have marked their facilities in the field. Call underground service alert (48 hours notice required) (800) 227–2600 or 811.
- 2. The locations of all existing utilities or other underground obstructions shown on the plans are approximate only and should not be taken as final or all inclusive. The contractor is cautioned that the plans may not include the location of all underground obstructions which may be encountered.
- 3. Prior to construction of any underground utilities, including water, sewer and storm drains, the contractor shall expose all existing utility facilities which are to be connected to or crossed and the Engineer shall verify their grade.
- 4. The contractor shall not operate any main line water valves. Such valves shall be operated by the Valley of the Moon Water District personnel only or as directed.
- 5. Contractor shall obtain an encroachment permit from the County of Sonoma and provide the Valley of the Moon Water District with an approved copy, including all other related information, before any water facility work shall commence.
- 6. All water system work shall conform to the Standards of the Valley of the Moon Water District. Contractor shall contact the Valley of the Moon Water District (996—1037) 72 hours prior to commencement of construction to arrange for a pre—construction meeting and inspection, as all water main construction must be inspected by the Valley of the Moon Water District. In the event of any breaks in the construction process, contractor shall contact Valley of the Moon Water District 24 hours prior to recommencement of construction.
- 7. Construction of water facilities shall conform to the Standard Specifications of the Valley of the Moon Water District, including Standard Plans.
- 8. Contractor, when applying for encroachment permit with Caltrans, shall indicate on the permit that the Valley of the Moon Water District will be owner of the water facilities after they are conveyed to the district.
- 9. Contractor shall obtain all permits and pay all fees to all related agencies prior to commencement of any work.
- 10. Water construction, testing, cleaning, and disinfection shall be subject to inspection and approval of the Valley of the Moon Water District. Pressure/ leakage tests shall not be made until a minimum 72 hours after the last thrust block has been poured.
- 11. All flushing, testing and disinfection of water mains shall be completed prior to connecting to existing water mains. The contractor shall disinfect the newly installed pipeline by use of hth tablets. Tablets shall be attached to the crown of the pipe at each joint with tyton pipe lubricant, or equal, as follows:

<u>Pipe Size</u>	<u># of Tablets</u>	<u>Pipe Size</u>	<u># of Tablets</u>
4"	1	16 "	8
6"	1	20"	12
8"	2	24"	18
10"	1	7 ∩" ı	As Approved

The pipeline shall be slowly filled to allow proper circulation of the HTH and the solution shall be allowed to stand for a minimum of twenty—four (24) hours. Connection is to be made only on approval to the Valley of the Moon Water District.

- 12. Contractor shall provide Valley of the Moon Water District representatives with a valid copy of a "California Division of Industrial Safety Permit" for the project.
- 13. Construction of water facilities shall be in compliance with basic separation standards "California Water Works Standards" contained in Section 64630, title 22, California Administrative Code.
- 14. Minimum depth of cover from finished grade, except as noted on plans, shall be: 36"for 6"mains, 36"for 8"mains, 44"for 12"mains, and 48"for 14"and larger mains. 4"and 10"mains must be specifically approved by the Valley of the Moon Water District. 6"and 8"main line valves shall be resilient seat gate valves with totally encapsulated gate. 12"and larger main line valves shall be butterfly valves. blow off specified on improvement plans.
- 15. No. 12 THW or RHW solid copper wire shall be laid on top of and along entire length of all non metallic mains, and shall be extended to the surface at all valve locations, blowoffs and meter boxes sufficiently for locator equipment to be attached. Wire to be affixed to top of pipe so as not to be displaced by backfilling procedure. Affix the wire to the top of the pipe with duct tape at approximately 5 feet intervals. Splice connections to be made copper or brass split bolts, wrapped with electrical tape.
- 16. All exposed bolts installed underground shall be stainless steel or steel coated with a fluoroploymer coating and heat treated (mueller tripac 2000 blue coating system). This includes, but is not limited to, flange and flexible coupling bolts.
- 17. There shall be no unmetered connections to the Valley of the Moon Water District system including connections bypassing meter for testing on—site plumbing or for obtaining construction water. Pressure testing against valves will also not be allowed. When a subdivision water main has been accepted and tied—in, the individual curb stops will be locked off with cable ties. Cutting off or tampering with the cable ties will constitute a straight tie—in connection. Such connections shall be severed by the district and will result in penalties including payment of fines and estimated water usage fees.
- 18. Service laterals other than those shown or noted on the plans shall not be installed prior to obtaining district approval.
- 19. Water and sewer service laterals shall be separated horizontally by a minimum of 5 feet.
- 20. Meter manifolds must be detailed and approved by the district. In general, manifolds where all fittings are 2" or less, shall be constructed from threaded brass pipe and fittings from the end of the service lateral to the meter connection. No plastic pipe shall be used in construction manifolds of any size. No more than six meters may be manifolded off a single water service lateral, with no more than 3 on either side of the service.
- 21. All meter boxes, vaults and pits shall be bedded on 3"minimum thick, 3/4"drain rock bed against compacted or undisturbed base. The gravel bed shall extend to 4"minimum beyond all sides of the meter box. Box shall be set flush with top of curb, sidewalk or ground, whichever is applicable. Lot numbers must be noted on top side of meter box with permanent marking pen.
- 22. Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and shall not be limited to normal working hours, and that the contractor shall defend, indemnify and hold the district and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on the project, excepting for liability arising from the sole negligence of the district of the engineer.
- 23. Trees shall not be removed, unless otherwise shown, without authorization by the district. Roots larger than 2 inches in diameter shall not be cut; tunneling under large roots may be required. Damage to limbs, trunks or roots shall be repaired by qualified personnel.
- 24. Water mains shall be installed in straight alignments between fittings. Curved mains shall require prior district approval. The radius of curved mains shall not exceed the pipe manufacturer's recommended limits. Fitting shall be required where the radius exceeds the limits, or if prior district approval for curved mains was not obtained.

ABBREVIATIONS

AB AC ADA ADDG BMV CCB CCCONC DWG DWG DWY EG EP EL	AMERICANS WITH DISABILITIES ACCESSORY DWELLING UNIT BUILDING BENCH MARK BLOWOFF VALVE COMPACT PARKING CATCH BASIN CLASS CENTERLINE CENTRAL PRECAST CONCRETE CORRUGATED METAL PIPE CLEANOUT CONCRETE DROP INLET	LAT LF MAH MITS NOCEW PLC PPSI PUE PCEP RCP RCP RCP RCP RCP RCP RCP RCP RCP RC	PROPERTY LINE POINT OF CONNECTION POWER POLE PRESSURE PER SQUARE IN PUBLIC UTILITY EASEMENT PROCESS WASTE REGISTERED CIVIL ENGINEE REINFORCED CONCRETE PIF RIGHT OF WAY RECLAIMED WATER LINE SLOPE SEE ARCHITECTURAL
CL	CLASS		POST INDICATOR VALVE
Œ	CENTERLINE	PL	PROPERTY LINE
CPC	CENTRAL PRECAST CONCRETE	POC	POINT OF CONNECTION
CM	CORRUGATED METAL PIPE	PP	POWER POLE
CO	CLEANOUT	PSI	PRESSURE PER SQUARE IN
CONC	CONCRETE	PUE	
DI	DROP INLET	PW	
DW	DOMESTIC WATER	RCE	
DWG	DRAWING	RCP	
DWY	DRIVEWAY	R/W	RIGHT OF WAY
EG	EXISTING GROUND	RWL	RECLAIMED WATER LINE
ᄕ	EDGE OF FAVENIENT	3	
		SAD	SEE ARCHITECTURAL
ELEC	ELECTRIC	0.0	DRAWINGS
E2M I	EASEMENT	SD	STORM DRAIN
EX	EXISTING	55	SANITARY SEWER
FL	FIRE LINE	SSCO	SANITARY SEWER CLEAN O
F G	FINISH GRADE	SIA	STATION STANDARD
FM	FORCE MAIN	31D	TOP OF CURB
L KI	FINICHED CHIDEACE	TVD	TYPICAL
FSS	FIRE SAFE STANDARD	LISP	UNDER SEPARATE PERMIT
GB	GRADE BREAK	W	WATER
GR		WM	WATER METER
GPM	GALLONS PER MINUTE	WV	WATER VALVE
J	J I	14.04.0	WEI DED WIDE EADDIO

OWNER INFO:

KATE AND ARTHUR RINGNESSS 18661 LOMITA AVENUE SONOMA, CA 95476 ak@ringness.net (415) 307—3616

PURPOSE STATEMENT:

PROPOSE WATER MAIN EXTENSION TO SERVICE PROPOSED RESIDENCE

SHEET INDEX

C1.0 C2.0 TITLE SHEET WATER MAIN PLAN & PROFILE

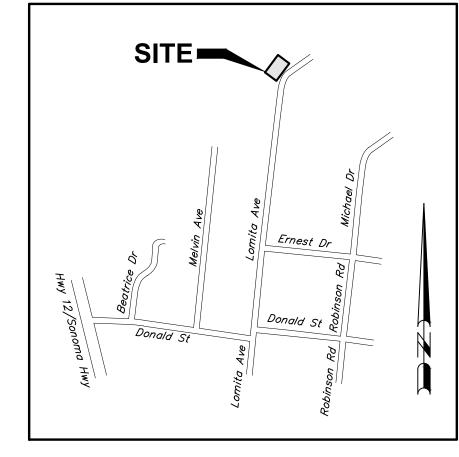
WELDED WIRE FABRIC

NOTE:

ALL STRUCTURES, FENCES, WALLS, PORCHES, DECKS, HEADERS, POOLS & SEPTIC ARE SHOWN FOR REFERENCE ONLY AND ARE NOT COVERED UNDER THIS GRADING PERMIT. SEPARATE PERMITS ARE REQUIRED.

LEGEND

LLOLINE	_	
<u>PROPOSED</u>	EXISTING	DESCRIPTION
-		PROPERTY BOUNDARY
	- - - -	SANITARY SEWER & MANHOLE
•		SANITARY SEWER & CLEANOUT
		STORM DRAIN & MANHOLE
	-0	
_····_o		
——⊠—3		WATER SERVICE / WM
ŏ		WATER MAIN & GATE VALVE
	<u>-</u>	FIRE HYDRANT
		JOINT TRENCH COMPOSITE DRY UTILITY (BY OTHERS)
	ά	UTILITY POLE W/WO GUY WIRE
CXX		DETAIL X ON SHEET CX.X
	_	DRAINAGE SWALE
	-	DAYLIGHT LINE
		APPROXIMATE LIMIT OF GRADING/DISTURBANCE
320		- INDEX CONTOUR
319	319 —	- INTERMEDIATE CONTOUR
GB	-	GRADE BREAK W/ SLOPE SYMBOL



LOCATION MAP

NOT TO SCALE

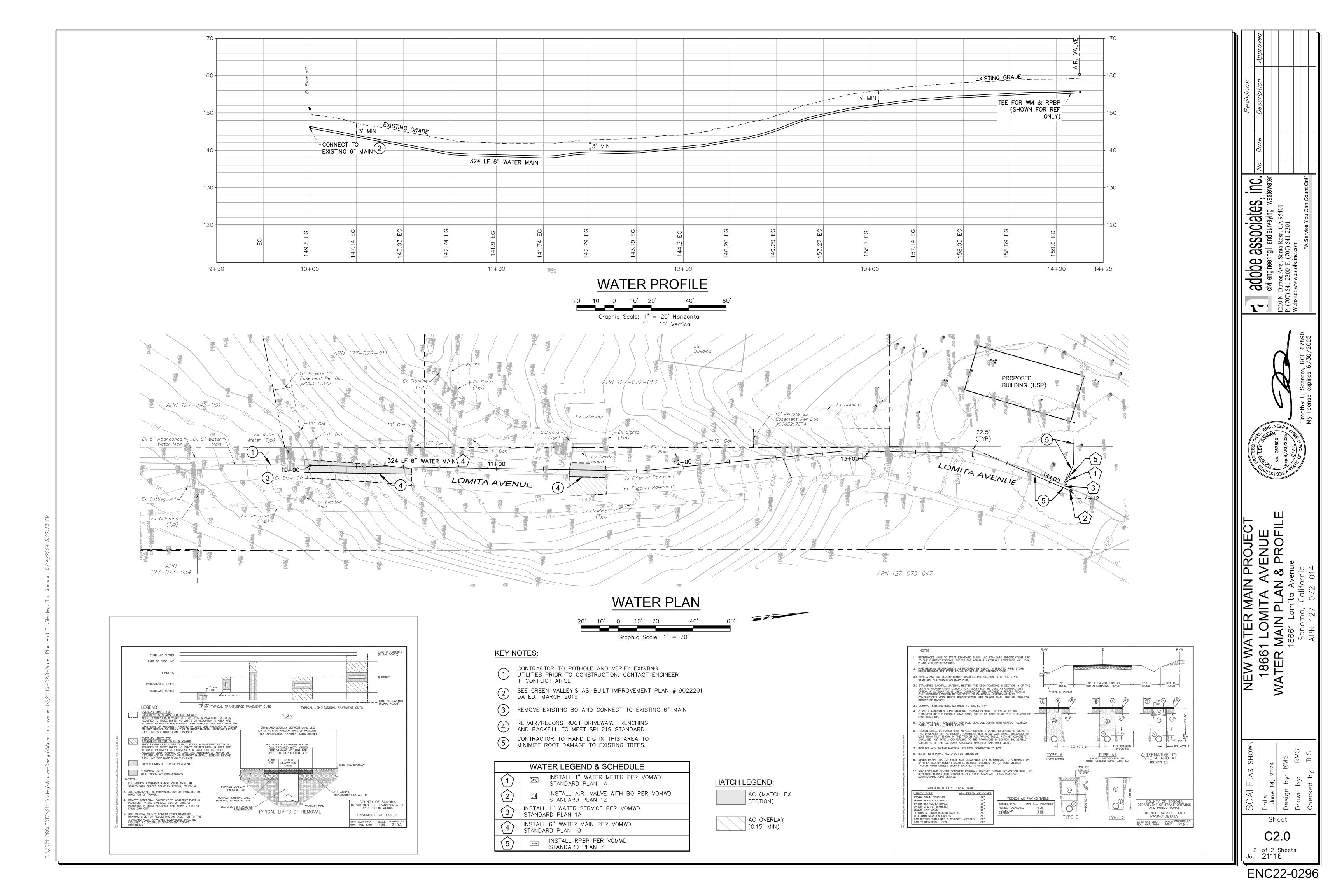
Revisions Approved atter Date Description Approved on!"

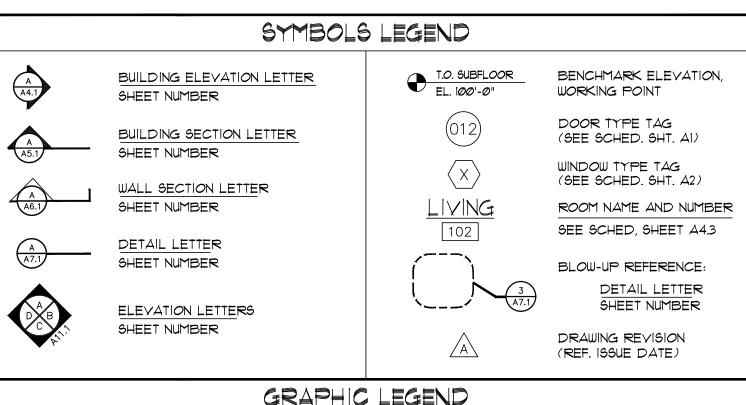
adobe associates, inc. com adobeinc.com

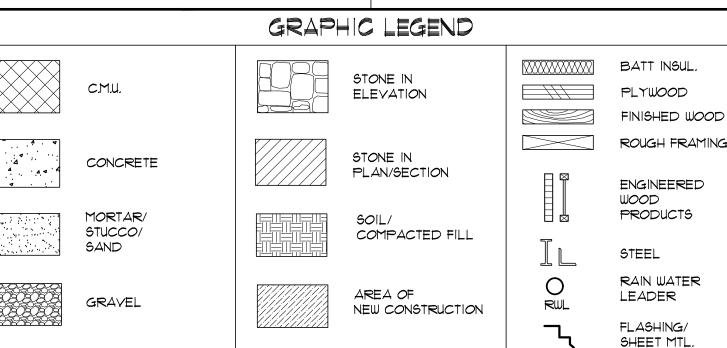
Sheet

C1.0

1 of 2 Sheets
Job 21116







GENERAL NOTES

- REFER TO NOTE SHEET A02 & CALGREEN CHECKLIST FOR CONSTRUCTION WASTE AND ENVIRONMENTAL QUALITY
- THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE BUILDING PERMITS, ALL NECESSARY INSPECTIONS, AND THE CERTIFICATE OF OCCUPANCY. ALL REFERENCES TO THE 'CONTRACTOR' INCLUDE THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS.
- THE MATERIALS SPECIFIED ARE INTENDED TO MEET CODE REQUIREMENTS: ANY DISCREPENCY BETWEEN THE CONSTRUCTION DOCUMENTS AND CODE REQUIREMENTS, OR ANY ERRORS, OMISSIONS OR CONFLICTING INFORMATION, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY BY THE CONTRACTOR PRIOR TO PROCEEDING WITH THE WORK.
- 4. THE GENERAL CONTRACTOR SHALL VERIFY AND ASSUME FULL RESPONSIBILITY FOR ALL DIMENSIONS. AND SITE CONDITIONS. THE GENERAL CONTRACTOR SHALL INSPECT THE EXISTING PREMISES AND STRUCTURES AND TAKE NOTE OF EXISTING CONDITIONS PRIOR TO SUBMITTING BID. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION.
- THE PLANS INDICATE THE GENERAL EXTENT OF NEW CONSTRUCTION NECESSARY FOR THE WORK, BUT ARE NOT INTENDED TO BE ALL-INCLUSIVE. ALL NEW WORK NECESSARY TO ALLOW FOR A FINISHED JOB IN ACCORDANCE WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS IS INCLUDED, REGARDLESS OF WHETHER SHOWN ON THE DRAWINGS OR MENTIONED IN THE NOTES.
- 6. THE CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES AND SHALL PROVIDE ALL SUBCONTRACTORS WITH CURRENT DOCUMENTS AS REQUIRED.
- THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE. ANY AND ALL CHANGES OR SUBMITTALS (INCLUDING SHOP DRAWINGS AND SUBSTITUTIONS) AFFECTING CONSTRUCTION COST OR SCHEDULE SHALL BE SUBMITTED TO THE ARCHITECT ALLOWING ADEQUATE TIME FOR REVIEW, APPROVAL OR CORRECTIONS SO AS NOT TO ADVERSELY AFFECT THE CONSTRUCTION SCHEDULE.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL MATERIALS BEING DELIVERED TO THE PROJECT AND PROTECTING ALL EXISTING SITE CONDITIONS INDICATED TO REMAIN. THIS INCLUDES STRUCTURES, TREES, SHRUBS, PAVING AND FENCES, AND THE PROTECTION OF NEIGHBORING PROPERTIES. COMPLY WITH ALL O.S.H.A. REQUIREMENTS.
- THE JOB SITE SHALL BE MAINTAINED IN A CLEAN, ORDERLY MANNER, FREE OF TRASH AND CONSTRUCTION DEBRIS. THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS GENERATED FROM ALL SUBCONTRACTORS AND TRADES ON A REGULAR BASIS, AND SHALL EXERCISE STRICT CONTROL OVER JOB CLEANING TO PREVENT DIRT FROM AFFECTING IN ANY WAY, FINISHED AREAS IN OR OUTSIDE JOB SITE.
- 10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT INSTALLATION METHODS CONFORM TO ALL BUILDING CODE REQUIREMENTS, INCLUDING MECHANICAL, ELECTRICAL AND PLUMBING.
- WRITTEN DIMENSIONS TAKE PRECEDENCE. DO NOT SCALE DRAWINGS. IF A DIMENSION CANNOT BE DETERMINED, THE CONTRACTOR SHALL PROMPTLY CONTACT THE ARCHITECT FOR VERIFICATION.
- 12. THE CONTRACTOR SHALL COORDINATE ALL WORK PERFORMED BY THE VARIOUS SUB-CONTRACTORS, AND SHALL VERIFY AND COORDINATE ALL OPENINGS THROUGH FLOORS, WALLS AND CEILINGS WITH ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS.
- 13. THE CONTRACTOR SHALL PROVIDE AND INSTALL ROUGH PLUMBING AND FINAL HOOK-UP FOR ALL SPECIFIED FIXTURES AND APPLIANCES, AND SHALL SUPPLY ALL SUCH FIXTURES AND APPLIANCES, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL CONFIRM WITH ALL EQUIPMENT MANUFACTURERS EQUIPMENT ROUGH-IN REQUIREMENTS.
- 14. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL NECESSARY ACCESS PANELS (IN PARTITIONS, FLOORS, OR CEILINGS) AND COORDINATE EXACT LOCATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION. ALL ACCESS PANELS SHALL BE INSTALLED FLUSH WITH THE SURFACE IN WHICH THEY ARE INSTALLED WITH NO EXPOSED TRIM.
- 15. THE CONTRACTOR SHALL SUPPLY AND INSTALL BLOCKING AND SUPPORTS IN PARTITIONS AND CEILINGS AS REQUIRED FOR INSTALLATION OF SPECIFIED EQUIPMENT, ACCESSORIES, CABINETRY, FINISH MATERIALS AND FIRE BLOCKING.
- 16. SEALANT, FLASHING AND CAULKING LOCATIONS SHOWN ON THE DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE. FOLLOW MANUFACTURER'S RECOMMENDATIONS AND STANDARD BUILDING INDUSTRY PRACTICES.
- 17. AT THE TIME OF FINAL INSPECTION, AN OPERATION AND MAINTENANCE MANUAL ACCEPTABLE TO THE ENFORCING AGENCY SHALL BE PROVIDED TO THE BUILDING OCCUPANT OR OWNER.

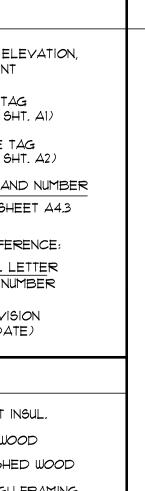
FIRE SPRINKLER GENERAL NOTES

FIRE SPRINKLERS ARE REQUIRED AND ARE TO BE SUBMITTED UNDER SEPARATE PERMIT

- FIRE SPRINKLER SYSTEM WORK SHALL BE IN ACCORDANCE WITH NFPA STANDARDS FOR RESIDENTIAL FIRE SPRINKLERS, PUBLICATION 13d (NFPA 13d) AND REQUIREMENTS OF THE NAPA COUNTY FIRE CODE.
- FIRE SPRINKLER SYSTEM SHALL BE DESIGN/BUILD BY THE FIRE SPRINKLER SUBCONTRACTOR.
- 3. ALL FIRE SPRINKLER SYSTEM MATERIALS TO BE AT LEAST MINIMUM QUALITY AS ALLOWED BY THE REFERENCED CODES AND LOCAL ORDINANCES.

4. FIRE SPRINKLER SUBCONTRACTOR SHALL SUBMIT SPRINKLER SYSTEM SHOP DRAWINGS TO CONTRACTOR FOR REVIEW. GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW OF SPRINKLER HEAD & CONTROL LOCATIONS. AFTER REVIEW BY GENERAL CONTRACTOR & ARCHITECT AND INCORPORATING REVISION, SUBCONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO LOCAL FIRE AGENCY FOR REVIEW & APPROVAL PRIOR TO COMMENCING WORK.

- FIRE SPRINKLER SYSTEM IS A DEFERRED SUBMITTAL THAT REQUIRES A SEPARATE PERMIT.
- 6. THE POTABLE WATER SUPPLY TO AUTOMATIC FIRE SPRINKLER SYSTEMS SHALL BE PROTECTED AGAINST BACKFLOW BY A BACKFLOW PREVENTION SYSTEM ASSEMBLY PER CRC R313.3.5.3 WHERE BACKFLOW PREVENTION DEVICES ARE INSTALLED, AN APPROVED EXPANSION TANK SHALL BE INSTALLED AT THE WATER HEATER CPC 608.3.



CENTERLINE DIAMETER OR ROUND EXISTING N) NEW POUND OR NUMBER ANCHOR BOLT ACOUSTICAL AREA DRAIN A.D. ADJUSTABLE ABOVE FINISH FLOOR AGGR. AGGREGATE ALUMINUM **APPROXIMATE** ARCHITECTURAL ASPH. ASPHALT BLDG. BUILDING BLKG. BLOCKING BM. B.O. BOTTOM OF CABINET CATCH BASIN CEM. CEMENT CERAMIC CAST IRON C.J. CLG. CONTROL JOINT CEILING CALKG. CAULKING CLO. CLR. CLOSET CLEAR C.O. COL. CLEAN OUT COLUMN CONC. CONCRETE CONNECTION CONSTR. CONSTRUCTION

CONTINUOUS

CORRUGATED

COUNTERSUNK

COUNTER

CENTER

CONCRETE MASONRY UNIT

CTSK.

CNTR.

CTR.

ANGLE

DBL. DEPT DET. DIA./

DN.

EQPT.

EXT.

F.D.

FDN

FIN.

FLASH.

FLEX.

FLUOR. F.O.C.

F.O.M.

F.O.S.

F.S.M.F.

FURR.

DOUBLE

DEPARTMENT

DIAMETER

DIMENSION

DOWELED JOINT G.L.B. DOOR DRAWER GYP. GSM. DOWNSPOUT DRAWING EACH H.D.G. HDR EXPANSION JOINT ELEVATION EDGE NAIL ELECTRICAL ELEVATOR ENCLOSURE EQUIPMENT EXPANSION EXTERIOR FORCED AIR UNIT FLOOR DRAIN FOUNDATION FLOOR FLASHING **FLEXIBLE** FLUORESCENT FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF STUDS FLEXIBLE SHEET

MEMBRANE FLASHING

FOOT OR FEET

FOOTING

FURRING

HEADER HDWE. HORIZ. HARDWARE HORIZONTAL HOUR INSIDE DIAMETER (DIM. INSUL. INSULATION INTERIOR INFO. INFORMATION JOINT KITCHEN LAMINATE LAVATORY LAV. LAMINATED VENEER L.V.L. MAXIMUM M.B. MACHINE BOLT MEDICINE CABINET MECHANICAL MEMBR. MEMBRANE MANUFACTURER MINIMUM MIRROR MIR. MISCELLANEOUS MASONRY OPENING

ABBREVIATIONS

GROUND FAULT INTERRUPTER

REINFORCED CONCRETE

GLUED LAMINATED BEAM

GALVANIZED SHEET METAL

HOT DIPPED GALVANIZED

GAUGE

GL. G.F.R.C.

GALVANIZED

GLASS FIBER

GROUND

GRADE

HOSE BIBB

HOLD DOWN

PROST. PRE-CAST P.T. PRESSURE TREATED PTD. PAINTED QTR. QUARTER QUARRY TILE RISER RAD. RADIUS R.D. ROOF DRAIN REFERENCE REFR. REFRIGERATOR REINFORCED REQ'D. REQUIRED RESIL. RM. RESILIENT RND. ROUND ROUGH OPENING REDWOOD RAIN WATER LEADER

NOT IN CONTRACT

OUTSIDE DIAMETER (DIM.)

PLYWOOD EDGE NAII

PLASTIC LAMINATE

POSITION OF SALES

NOT TO SCALE

NUMBER

NOMINAL

OVERALL

OPENING

OPPOSITE

PI ASTER

PANEL

PLYWOOD

ON CENTER

NO./#

NOM

N.T.S.

0.A. 0.C.

O.D. OFF.

OPNG. OPP.

P.E.N.

PLAS. PLYWD.

PNL. P.O.S.

T.O.W. U.O.N.

SECT. S.F.

S.P.O.S.

STRUCT SUSP.

TRD.

UNLESS OTHERWISE NOTED VERTICAL VERIFY IN FIELD WATER CLOSET MOOD MITHOUT WATERPROOF WATER RESISTANT WSCT. WAINSCOT WEIGHT

SEE ARCHITECTURAL DRAWINGS

SQUARE FEET

SPECIFICATION

SEE STRUCTURAL DRAWINGS

SEASONAL

SQ. SQUARE

STANDARD

STRUCTURAL

SUSPENDED

SHEAR WALL

SYMMETRICAL

TOWEL BAR

TOP OF CURB

TOP OF SLAB

TOP OF WALL

TELEVISION

TYPICAL

TUBE STEEL

TOP OF MASONRY

TOP OF PAVEMENT

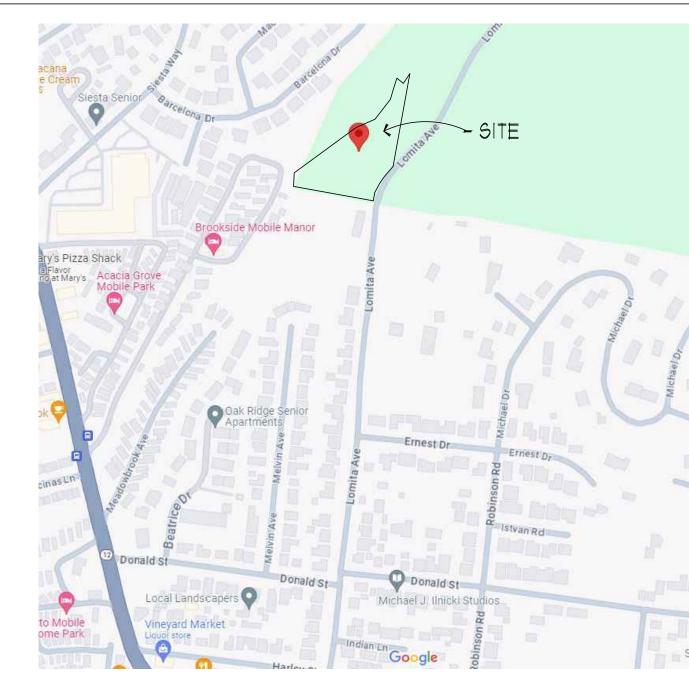
TOILET PAPER DISPENSER

TONGUE AND GROOVE

TELEPHONE

STORAGE







CALGREEN NOTES

LOCAL JURISDICTION REQUIRES CALGREEN SPECIAL INSPECTIONS FOR THIS PROJECT. THE CONTRACTED CALGREEN INSPECTOR IS INDICATED BELOW:

RICK'S ENERGY SOLUTIONS 1523 CAVENDISH AVE. SANTA ROSA, CA 95401

RICK@RC-NETWORKS.COM

707-578-5380

- THE GENERAL CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR 3 TO 5 WORKING DAYS BEFORE A SPECIAL INSPECTION AND/OR HERS TESTING AND VERIFICATION.
- THIS PROJECT WILL REQUIRE A CLOSE-IN SPECIAL INSPECTION PRIOR TO INSTALLATION OF DRYWALL, AND ANOTHER PRIOR TO FINAL BUILDING INSPECTION.
- HERS VERIFICATION REQUIRED BY T-24 ENERGY REPORT. PROVIDE EVIDENCE OF THIRD PARTY VERIFICATION (HERS) TO PROJECT BUILDING INSPECTOR, PRIOR TO FINAL INSPECTION.

DEFERRED SUBMITTALS

APPROPRIATE JURISDICTION FOR REVIEW :

FIRE SPRINKLER DESIGN 2. PRE-MANUFACTURED TRUSS DESIGN

THE FOLLOWING WORK SHALL BE A DEFERRED SUBMITTAL TO THE

SEPARATE PERMITS

THE FOLLOWING WORK SHALL BE SUBMITTED SEPARATELY OR HAS ALREADY BEEN SUBMITTED TO THE APPROPRIATE JURISDICTION FOR REVIEW:

. SWIMMING POOL 2. GRADING AND DRAINAGE

CONSTRUCTION DATA

SONOMA COUNTY JURISDICTION

18661 LOMITA AVE, SONOMA, CA 95476 (A.P.N. 127-Ø72-Ø14) ZONING: RR B6 3, F2 RC50/25 SR FIRE JURISDICTION: SRA (MUST COMPLY W/ W.U.I. REQUIREMENTS)

CONSTRUCTION / OCCUPANCY: TYPE V-B / R-3 LOT AREA: 2.63 ACRES (114,563 SQ. FT.) PROPOSED BLDG. FOOTPRINT (INCL. DECKS AND TERRACES: 6,678 SQ. FT. ALLOWED LOT COVERAGE: 35% PROPOSED LOT COVERAGE: 6%

HEIGHT LIMIT: 35'-0" SETBACKS: SHOWN ON SITE PLAN FRONT YARD & STREET SIDE: 20'-0" SIDE YARD: 5'-0" REAR YARD: 20'-0"

CONSTRUCTION COMPLIANCE

2022 CALIFORNIA BUILDING CODE (CBC) 2022 CALIFORNIA RESIDENTIAL CODE (CRC)

2022 CALIFORNIA PLUMBING CODE (CPC) 2022 CALIFORNIA MECHANICAL CODE (CMC) 2022 CALIFORNIA ELECTRICAL CODE (CEC)

2022 CALIFORNIA ENERGY CODE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBS OR CALGREEN)

2022 CALIFORNIA FIRE CODE (CFC)

PROJECT TEAM

STRUCTURAL ENGINEER

5880 COMMERCE BLVD.

ROHNERT PARK, CA 94928

MKM ASSOCIATES

<u>CIVIL ENGINEER.</u>

ADOBE ASSOC. INC.

1220 N. DUTTON AVE

P: (707) 541-2300

<u>CONTRACTOR</u>

SANTA ROSA, CA 95401

ctalbot@adobeinc.com

EAMES CONSTRUCTION

317 FIRST ST. SUITE 107

PETALUMA, CA 94952

P: (707) 227-8563

paul@eames.us.com

4,581 SQ. FT.

5,412 SQ. FT.

306 SQ. FT.

831 SQ. FT.

PROJECT OWNER ART & KATE RINGNESS 3118 WASHINGTON ST. SAN FRANCISCO, CA 94115

akaringness.net

P: (707) 578-5380

rickarc-networks.com

P: (707) 578-8185 (415) XXX-XXXX spencer@mkmassociates.com TITLE 24 ENERGY CONSULTANT GEOTECH CONSULTANT RICK'S ENERGY SOLUTIONS 1523 CAVENDISH AVE. SANTA ROSA, CA 95401

YES ENGINEERING SERVICES 132 BOAS DR. SANTA ROSA, CA 94509 P: (707) 484-6139 gyoung@sonic.net

ROBERT BAUMANN OF RBA ARCHITECTURE IS DESIGNATED AS THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. HIS ADDRESS AND TELEPHONE NUMBER CAN BE FOUND IN THE TITLE BLOCK

PROJECT DESCRIPTION & AREA SUMMARY

THIS PROJECT INCLUDES THE CONSTRUCTION OF A NEW TWO STORY SINGLE FAMILY HOME WITH ATTACHED GARAGE, POOL (UNDER SEPARATE PERMIT). THE BUILDING HAS CONTEMPORARY FARMHOUSE ARCHITECTURAL STYLING. THE MAJOR BUILDING COMPONENTS ARE W.U.I. APPROVED STANDING-SEAM METAL ON PITCHED ROOFS, SINGLE-PLY MEMBRANE ON FLAT ROOFS, CEMENT PLASTER, HORIZ. CEMENTITOUS PLANKS & ADHERED STONE VENEER SIDING, WITH ALUMINUM CLAD WOOD DOORS AND WINDOWS. THE FOUNDATION ARE CONCRETE SPREAD FOOTINGS WITH CRAWLSPACE WITH SOME AREAS AS CONC. SLAB ON GRADE

ENCLOSED CONDITIONED GROSS AREA: ENCLOSED UNCONDITIONED GROSS AREA TOTAL GROSS BUILDING AREA:

COVERED DECKS AND PATIOS GROSS AREA:

COVER SHEET / GENERAL NOTES

ARCHITECTURAL DRAWINGS

CALGREEN NOTES OVERALL SITE PLAN

DETAILED SITE PLAN PRELIMINARY BUILDING PAD GRADING MAIN LEVEL FLOOR PLAN (LIVING AREA & GARAGE)

SHEET INDEX

MAIN LEVEL FLOOR PLAN (PRIMARY BEDROOM) AND UPPER LEVEL FLOOR PLAN LIVING AREA AND GARAGE ROOF PLAN

PRIMARY BEDROOM ROOF PLAN AND LOWER LEVEL FLOOR PLAN EXTERIOR KEY ELEVATIONS

EXTERIOR ELEVATIONS EXTERIOR ELEVATIONS

BUILDING SECTIONS A4.2 BUILDING SECTIONS BUILDING SECTIONS

BUILDING SECTIONS A4.4 BUILDING SECTIONS BUILDING SECTIONS

DOOR AND WINDOW SCHEDULES

STRUCTURAL DRAWINGS



ARCHITECTURE obert Baumann + Associates

RBA

W....

ISSUE DATE: 11/22/23 REVISIONS

11/28/23 BUDGET SET

PROPOSED RESIDENCE

DESIGN

COVER SHEET

- INSPECTOR ATTACHED IS AN EXAMPLE OF A COMPLETED TABLE 1. PROVIDE TO THE COUNTY OF SONOMA A COMPLETED CONSTRUCTION WASTE MANAGEMENT PLAN OR SUBMIT A LETTER OF INTENT TO HIRE AN APPROVED WASTE MANAGEMENT COMPANY TO COLLECT AND DOCUMENT ALL WASTE. THE RECYCLE AND LANDFILL DIVERSION RATE SHALL BE NO LESS THAN 65% OR PER LOCAL
- 3. GENERAL CONTRACTOR TO PROVIDE ALL DOCUMENTATION FOR CALGREEN COMPLIANCE AS STATED IN THE CALGREEN NOTES & CHECKLIST (REF. A9.4 & A9.5)

ORDINANCE IF MORE STRINGENT. COPIES OF THE CONSTRUCTION WASTE MANAGEMENT PLAN WORKSHEETS ARE ATTACHED.

DUCT SIZING TABLE

Duct Type		Fle	x Duct			Smoot	h Duct	
Fan Rating cfm @ 0.25 in. w.g.	50	80	100	125	50	80	100	125
	Maximum Allowable Duct Length (ft)							
Diameter, (in)	Flex Duct			Smooth Duct				
3	X	Χ	X	X	5	X	X	X
4	70	3	X	X	105	35	5	X
5	NL	70	35	20	NL	135	85	55
6	NL	NL	125	95	NL	NL	NL	145
7 and above	NL	NL	NL	NL	NL	NL	NL	NL
This table assumes no elbows. Deduct 15 ft of allowable duct length for each turn, elbow, or fitting.								

NOTE: WATER GAUGE (W.G.) IS THE SAME AS WATER COLUMN (W.C.)

- A. DETERMINE THE DUCT MATERIAL THAT WILL BE USED FOR THE INSTALLATION (SMOOTH OR FLEX). DUCT SIZING WILL USE
- THE TABLE 1.1 COLUMNS UNDER THE SELECTED TYPE OF DUCT. B. IDENTIFY THE FAN RATING(6) USED TO PROVIDE WHOLE-BUILDING AND LOCAL VENTILATION EXHAUST (CFM).
- SELECT THE COLUMN THAT CORRESPONDS TO THE REQUIRED FAN RATING FOR THE SYSTEM. IF THE REQUIRED FAN RATING (AIRFLOW CFM) IS NOT SHOWN ON THE CHART AND FALLS BETWEEN COLUMNS, USE THE NEXT HIGHEST FAN RATING COLUMN FOR DETERMINING THE DUCT LENGTH AND DIAMETER. THE TABLE IS NOT APPLICABLE TO FAN RATINGS GREATER THAN 125 CFM.
- D. SELECT THE PREFERRED DUCT DIAMETER TO DETERMINE THE CORRESPONDING MAXIMUM ALLOWABLE DUCT LENGTH FROM THE FAN RATING COLUMN FOR EACH EXHAUST FAN. FOR EACH TURN, ELBOW OR FITTING IN THE DUCT RUN, SUBTRACT 15 FEET OF LENGTH FROM THE ALLOWABLE DUCT LENGTH SPECIFIED IN THE TABLE. IF THE ALLOWABLE LENGTH OF (STRAIGHT) DUCT IS NOT SUFFICIENT FOR THE DESIGN, SELECT THE NEXT HIGHER DIAMETER OF DUCT, AND RECALCULATE THE ALLOWANCE. AN "NL" IN THE TABLE INDICATES THAT ANY LENGTH OF DUCT FOR THAT DIAMETER IS IN COMPLIANCE.

YOC / FORMALDEHYDE LIMIT TABLES

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS^{2,3} Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds

Less Water and Less Exempt Co COATING CATEGORY	Inpounds
	50
Flat coatings	50
Nonflat coatings	100
Nonflat-high gloss coatings	150
SPECIALTY COATINGS	
Aluminum roof coatings	400
Basement specialty coatings	400
Bituminous roof coatings	50
Bituminous roof primers	350
Bond breakers	350
Concrete curing compounds	350
Concrete/masonry sealers	100
Driveway sealers	50
Dry fog coatings	150
Faux finishing coatings	350
Fire resistive coatings	350
Floor coatings	100
Form-release compounds	250
Graphic arts coatings (sign paints)	500
High temperature coatings	420
Industrial maintenance coatings	250
Low solids coatings ¹	120
Magnesite cement coatings	450
Mastic texture coatings	100
Metallic pigmented coatings	500
Multicolor coatings	250
Pretreatment wash primers	420
Primers, sealers, and undercoaters	100
Reactive penetrating sealers	350
Recycled coatings	250
Roof coatings	50
Rust preventative coatings	250
Shellacs	
Clear	730
Opaque	550
Specialty primers, sealers and undercoaters	100
Stains	250
Stone consolidants	450
Swimming pool coatings	340
Traffic marking coatings	100
Tub and tile refinish coatings	420
Waterproofing membranes	250
Wood coatings	275
Wood preservatives	350
Zinc-rich primers	340

- Grams of VOC per liter of coating, including water and including exempt
- 2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the table. 3. Values in this table are derived from those specified by the California Air
- Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources

TABLE 4.504.5 FORMALDEHYDE LIMITS¹

Maximum Formaldehyde Emissions in Parts per Million					
CURRENT LIMIT					
0.05					
0.05					
0.09					
0.11					
0.13					

1. Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E 1333. For additional information, see California Code of Regulations, Title 17, Sections 93120 through 93120.12.

Thin medium density fiberboard has a maximum thickness of 5/1/2 inch (8 mm).

TABLE 4.504.1 ADHESIVE VOC LIMIT^{1, 2}

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIM
Indoor carpet adhesives	50
Carpet pad adhesives	50
Outdoor carpet adhesives	150
Wood flooring adhesive	100
Rubber floor adhesives	60
Subfloor adhesives	50
Ceramic tile adhesives	65
VCT and asphalt tile adhesives	50
Drywall and panel adhesives	50
Cove base adhesives	50
Multipurpose construction adhesives	70
Structural glazing adhesives	100
Single-ply roof membrane adhesives	250
Other adhesives not specifically listed	50
SPECIALTY APPLICATIONS	
PVC welding	510
CPVC welding	490
ABS welding	325
Plastic cement welding	250
Adhesive primer for plastic	550
Contact adhesive	80
Special purpose contact adhesive	250
Structural wood member adhesive	140
Top and trim adhesive	250
SUBSTRATE SPECIFIC APPLICATIONS	
Metal to metal	30
Plastic foams	50
Porous material (except wood)	50
Wood	30
Fiberglass	80

with the highest VOC content shall be allowed. 2. For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District

TABLE 4.504.2

SEALANT VOC LIMIT					
Less Water and Less Exempt Compounds in Grams per Liter					
SEALANTS	CURRENT VOC LIMIT				
Architectural	250				
Marine deck	760				
Nonmembrane roof	300				
Roadway	250				
Single-ply roof membrane	450				
Other	420				
SEALANT PRIMERS					
Architectural					
Nonporous	250				
Porous	775				
Modified bituminous	500				
Marine deck	760				
Other	750				

IF PLAN NOTES, LOCAL ORDINANCES OR CALGREEN NOTES CONFLICT, THE MORE STRINGENT NOTE SHALL COMPLY

CALGREEN MEASURE 4.1062. STORM WATER DRAINAGE DURING CONSTRUCTION:

• BUILDING CONTRACTOR, AS NEEDED AND USING BEST PRACTICE METHODS, SHALL PROVIDE AN ADEQUATE STORM WATER RETENTION AREA WITH HAY FILLED WATTLES AS FILTERS AND GROUND COVERINGS TO PREVENT SILT AND CONSTRUCTION DEBRIS AND CONTAMINATES FROM RUN-OFF INTO ADJACENT EXISTING STORM WATER SYSTEMS, AND ADJACENT PRIVATE AND PUBLIC PROPERTIES

• OR REFER TO STORM WATER DRAINAGE PLAN

CALGREEN MEASURE 4.106.3. GRADING AND PAYING:

REFER TO THE GRADING AND DRAINAGE DRAWINGS (PERMIT *GRD23-0068) FOR DETAILS

CALGREEN MEASURE 4.106.4 ELECTRIC VEHICLE (EV) CHARGING FOR NEW CONSTRUCTION. • PROVIDE A DEDICATED BRANCH CIRCUIT RACEWAY AND OR CONDUCTORS AND JUNCTION BOX FOR A 208/240-VOLT 40 AMP ELECTRIC VEHICLE CHARGING STATION. THE

• THE SERVICE PANEL AND OR THE SUBPANEL SHALL PROVIDE ADEQUATE CAPACITY TO INSTALL THE 40-AMP MINIMUM DEDICATED BRANCH CIRCUIT OVERPROTECTION DEVICE. IN ONE AND TWO FAMILY DWELLINGS THERE SHALL BE AN EV CHARGING CIRCUIT FOR EACH DWELLING. THE SERVICE PANEL OR SUBPANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVERCURRENT DEVICE SPACE(S) RESERVED FOR THE FUTURE EV CHARGING STATION(S) AS "EV CAPABLE". THE RACEWAY OR BRANCH CIRCUIT TERMINATION LOCATION SHALL BE LABELED AS "EY CAPABLE".

EV JUNCTION BOX SHALL BE SIZED TO ACCOMMODATE AND EV CHARGING RECEPTACLE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF AN EV CHARGER.

CALGREEN MEASURE 4.201.1 ENERGY EFFICIENCY STANDARDS

THE BUILDING WILL NEED TO FOLLOW THE FEATURES OUTLINED IN THE 2022 TITLE 24 ENERGY CALCULATIONS IN ORDER TO MEET THE BUILDING ENERGY EFFICIENCY

REQUIREMENTS IMPORTANT FEATURES INCLUDE:

HYAC EQUIPMENT EFFICIENCY

- INSULATION VALUES
- WINDOW YALUES (U-FACTOR & SHGC)

• WATER HEATER EFFICIENCY AND DISTRIBUTION (STANDARD VS. RECIRCULATION)

CALGREEN MEASURE 4.303.1. INSTALL WATER CONSERVING PLUMBING FIXTURES AND FITTINGS:

• NEWLY INSTALLED WATER CLOSETS SHALL NOT EXCEED 128 GALLONS P #ER FLUSH (GPM). EFFECTIVE FLUSH VOLUME OF WALL-MOUNTED URINALS SHALL NOT EXCEED 128 GALLONS PER FLUSH. TANK TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATIONS FOR TANK-TYPE

• NEWLY INSTALLED SHOWERHEADS SHALL NOT EXCEED 1.8 GALLONS PER MINUTE (GPM). SHOWERHEADS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATIONS FOR SHOWERHEADS. SHOWERS THAT HAVE MORE THAN ONE SHOWERHEAD, THE TOTAL WATER FLOW OF BOTH HEADS OPERATING AT THE SAME TIME CANNOT EXCEED 2.0 GPM OR THE SHOWER SHALL BE DESIGNED TO ALLOW FOR ONLY ONE SHOWERHEAD TO OPERATE AT A TIME. HAND-HELD SHOWER SHALL BE CONSIDERED A SHOWERHEAD.

• NEWLY INSTALLED LAVATORY FAUCETS SHALL NOT EXCEED 1.2 GALLONS PER MINUTE (GPM). MINIMUM FLOW RATE SHALL NOT BE LESS THAN 0.8 GALLONS PER MINUTE AT

• NEWLY INSTALLED KITCHEN FAUCETS SHALL NOT EXCEED 1.8 GALLONS PER MINUTE (GPM). KITCHEN FAUCETS MAY TEMPORARILY INCREASE TO 2.2 GPM AND DEFAULT TO MAXIMUM 1.8 GPM. WHERE COMPLYING FAUCETS ARE UNAVAILABLE, AERATORS OR OTHER MEANS MAY BE USED TO ACHIEVE REDUCTION.

CALGREEN MEASURE 4.303.2 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS

• PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE AND SHALL MEET THE APPLICABLE STANDARDS REFEREENCED IN TABLE 1401.1 OF THE CALIFORNIA PLUMBING CODE.

CALGREEN MEASURE 4.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE

NEW RESIDENTIAL DEVELOPMENTS WITH AN AGGREGATE LANDSCAPE AREA EQUAL TO OR GREATER THAN 500 SQUARE FEET SHALL COMPLY WITH NAPA COUNTY

LANDSCAPE ORDINANCE OR THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE, WHICH EYER IS MORE STRINGENT. CALGREEN MEASURE 4.305 WATER RE-USE SYSTEMS (RECYCLED WATER SUPPLY SYSTEMS)

• NEWLY CONSTRUCTED RESIDENTIAL DEVELOPMENTS, WHERE DISINFECTED TERTIARY RECYCLED WATER IS AVAILABLE FROM A MUNICIPAL SOURCE TO A CONSTRUCTION SITE, MAY BE REQUIRED TO HAVE RECYCLED SOURCE TO A CONSTRUCTION SITE, MAY BE REQUIRED TO HAVE RECYCLED WATER SUPPLY SYSTEMS INSTALLED, ALLOWING THE USE OF RECYCLED WATER FOR RESIDENTIAL LANDSCAPE IRRIGATION SYSTEMS.

• SEE CHAPTER 15 OF THE CALIFORNIA PLUMBING CODE.

CALGREEN MEASURE 4.406.1. RODENT PROOFING:

 ANNULAR SPACES AROUND JOINTS AND PIPES, ELECTRICAL CABLES, CONDUCTS, OR OTHER OPENINGS IN SILL PLATES, AT EXTERIOR WALLS SHALL BE PROTECTED. AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR SIMILAR METHOD ACCEPTABLE TO THE ENFORCING AGENCY.

CALGREEN MEASURE 4.408.1. CONSTRUCTION WASTE MANAGEMENT:

• RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65% OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH EITHER SECTION 4.408.2, 4.408.3, OR 4.408.4, OR MEET A MORE STRINGENT LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE.

• THIS PROJECT HAS A WASTE REDUCTION GOAL OF 65% OR GREATER. ALL SUBCONTRACTORS SHALL COMPLY WITH THE PROJECT'S CONSTRUCTION WASTE MANAGEMENT PLAN.

CALGREEN MEASURE 4.410.1. OPERATIONS AND MAINTENANCE MANUAL:

• AT THE TIME OF FINAL INSPECTION AN OPERATION AND MAINTENANCE MANUAL SHALL BE PLACED IN THE BUILDING. THE MANUAL SHALL INCLUDE ALL OF THE FOLLOWING: I. DIRECTIONS TO THE OWNER OR OCCUPANT THAT THE MANUAL SHALL REMAIN WITH THE BUILDING THROUGHOUT THE LIFE CYCLE OF THE STRUCTURE.

2. OPERATION AND MAINTENANCE INSTRUCTIONS FOR: EQUIPMENT AND APPLIANCES, ROOF AND YARD DRAINAGE, SPACE CONDITIONING SYSTEMS, LANDSCAPE IRRIGATION SYSTEMS, AND WATER REUSE SYSTEMS.

3. INFORMATION ON LOCAL RECYCLE PROGRAMS AND LOCATIONS.

4. PUBLIC TRANSPORTATION AND CAR/OR CARPOOL OPTIONS AVAILABLE IN THE AREA.

5. EDUCATIONAL MATERIAL ON THE POSITIVE IMPACTS OF INTERIOR RELATIVE HUMIDITY BETWEEN 30-60%.

6. INFORMATION ABOUT WATER-CONSERVING LANDSCAPE AND IRRIGATION DESIGN AND CONTROLLERS WHICH CONSERVE WATER

T. INSTRUCTIONS FOR MAINTAINING GUTTERS AND DOWNSPOUTS AND IMPORTANCE OF DIVERTING WATER AT LEAST 5 FEET AWAY FROM THE FOUNDATION.

8. INFORMATION ON REQUIRED ROUTINE MAINTENANCE MEASURES INCLUDING CAULKING, PAINTING, GRADING AROUND THE HOUSE, ETC.

9. INFORMATION ABOUT STATE SOLAR ENERGY AND INCENTIVE PROGRAMS AVAILABLE.

IØ.A COPY OF ALL SPECIAL INSPECTION VERIFICATIONS REQUIRED BY THE ENFORCING AGENCY OR BY THIS CODE. CALGREEN MEASURE 4.503.1. FIREPLACES:

• FIREPLACE SHALL BE DIRECT-VENT SEALED-COMBUSTION GAS OR SEALED WOOD-BURNING FIREPLACE, OR A SEALED WOODSTOVE MEETING THE REQUIREMENTS OF THE EPA NEW SOURCE PERFORMANCE STANDARD (NSPS) EMISSION LIMITS AND SHALL HAVE A PERMANENT LABEL INDICATING IT'S CERTIFIED TO MEET THE EMISSION LIMITS. ALL FIREPLACES SHALL ALSO COMPLY WITH LOCAL ENFORCING AGENCY ORDINANCE.

CALGREEN MEASURE 4.504.1. POLLUTANT CONTROL. . COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION: AT THE TIME OF ROUGH INSTALLATION, DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING, AND VENTILATING EQUIPMENT, ALL DUCTS AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, AND SHEET METAL OR OTHER METHODS ACCEPTABLE TO

T-24 Energy Code Space-Conditioning & Hot Water Pipe Insulation

THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF WATER, DUCT AND DEBRIS, WHICH MAY ENTER THE SYSTEM.

The following piping requires pipe insulation as specified in Table 120.3-A:

- Cold water supply pipe within 5 feet of water heater
- Hot water piping within 5 feet of the water heater
- All hot water pipe from water heater to kitchen sink
- All pipes that are ¾" or larger shall be insulated
- All exposed hot water pipes and hot water pipes enclosed within an interior wall or cavity space shall be insulated. Please Note: <u>Hot water pipes within a cavity or wall with batt</u> insulation shall also be insulated with foam pipe insulation.
- o All piping, where the CF1R Report (under <u>Water Heating Systems</u>, Section 03 Distribution Type) specifies "Pipe Insulation, All Lines"
- All lengths of pipe installed below grade

TABLE	E 120.3-A	PIPE IN	SULATION	THICKNESS	

FLUID	CONDUCTIVITY	INSULATION	NOMINAL PIPE DIAMETER (in inches)				
TEMPERATURE RANGE (in	RANGE (in Btu-inch per	MEAN RATING TEMPERATURE	<1	1 to <1.5	1.5 to < 4	4 to < 8	8 and larger
(°F)	hour per SF per °F)	(°F)	INSULATION THICKNESS REQUIRED (ED (in inches)
Space heating, Hot Water systems (steam, steam condensate and hot water) and Service Water Heating Systems							
Above 350	0.32-0.34	250	4.5	5.0	5.0	5.0	5.0
251-350	0.29-0.31	200	3.0	4.0	4.5	4.5	4.5
201-250	0.27-0.30	150	2.5	2.5	2.5	3.0	3.0
141-200	0.25-0.29	125	1.5	1.5	2.0	2.0	2.0
105-140	0.22-0.28	100	1.0	1.5	1.5	1.5	1.5
Space cooling systems (chilled water, refrigerant and brine)							
40-60	0.21-0.27	75	0.5	0.5	1.0	1.0	1.0
Below 40	0.20-0.26	50	1.0	1.5	1.5	1.5	1.5

CALGREEN MEASURE 4.504.2.1. ADHESIVE, SEALANTS, AND CAULKS:

• ADHESIVE, SEALANTS, AND CAULKS SHALL BE COMPLIANT WITH YOC AND OTHER TOXIC COMPOUND LIMITS PER YOC TABLES 4,504,1 AND 4,5042. BUILDER SHALL DOCUMENT PRODUCT, VOC LEVELS AND USAGE.

CALGREEN MEASURE 4.50422. ARCHITECTURAL PAINTS, STAINS, AND OTHER COATINGS:

• PAINTS, STAINS, AND OTHER COATINGS SHALL BE COMPLIANT WITH YOC LIMITS PER YOC CONTENT LIMITS TABLE 4.504.3. BUILDER SHALL DOCUMENT PRODUCT, YOC LEVELS AND USAGE. CALGREEN MEASURE 4.504.2.3. AEROSOL PAINTS AND COATINGS:

• AEROSOL PAINTS AND COATINGS SHALL BE COMPLIANT WITH PRODUCT WEIGHTED MIR LIMITS FOR ROC AND OTHER TOXIC COMPOUNDS AS PER THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT AND REGULATION 8, RULE 49± OR, PER THE LOCAL ENFORCEMENT AGENCY IF MORE STRINGENT. BUILDER SHALL DOCUMENT PRODUCT,

YOC LEVELS AND USAGE. CALGREEN MEASURE 4.504.2.4. VERIFICATION:

. VERIFICATION OF COMPLIANCE WITH THIS SECTION SHALL BE PROVIDED AT THE REQUEST OF THE ENFORCING AGENCY.

DOCUMENTATION MAY INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

• MANUFACTURER'S PRODUCT SPECIFICATION.

• SEE PLANS EXAMINER PROVIDED TABLES 4.504.1 AND 4,504.2 AND 4.504.3

CALGREEN MEASURE 4.504.3. CARPET AND CARPET SYSTEMS

• FIELD VERIFICATION OF ON-SITE PRODUCT CONTAINERS.

• CARPET AND CARPET SYSTEM SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS PER ONE OF THE FOLLOWING: 1) CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM' OR 2) CALIFORNIA DEPARTMENT OF HEALTH STANDARD PRACTICE FOR TESTING OF VOC+ OR 3) NSF/ANSI 1-40 AT THE GOLD LEVEL+ OR 4) SCIENTIFIC CERTIFICATION SYSTEMS INDOOR ADVANTAGE GOLD OR, PER THE LOCAL ENFORCEMENT AGENCY IF MORE STRINGENT.

• ALL INSTALLED CARPET CUSHIONS SHALL MEET THE REQUIREMENTS OF CARPET AND RUG INSTITUTE'S GREEN LABEL PROGRAM. BUILDER SHALL DOCUMENT PRODUCT

COMPLIANCE AND USAGE.

• ALL CARPET ADHESIVES SHALL MEET THE REQUIREMENTS OF YOC TABLE 4.504.1. • BUILDER SHALL DOCUMENT PRODUCT COMPLIANCE AND USAGE.

CALGREEN MEASURE 4.504.4. RESILIENT FLOORING SYSTEMS:

PUBLIC HEALTH SPECIFICATION Ø1350.

• AT LEAST 80% OF THE FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH AT LEAST ONE OF THE FOLLOWING: 1) THE YOC EMISSIONS LIMITS DEFINED IN THE COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CHPS) LOW-EMITTING MATERIALS LIST OR 2) COMPLY WITH CHPS CRITERIA UNDER THE GREENGUARD CHILDREN & SCHOOLS PROGRAMS OR 3) CERTIFICATION UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RCFI) FLOOR SCORE PROGRAM OR 4) MEET THE CALIFORNIA DEPT. OF

• DOCUMENTATION MUST BE PROVIDED THAT VERIFIES THAT FINISH MATERIALS ARE CERTIFIED TO MEET THE POLLUTION EMISSIONS LIMITS IN THIS SECTION.

CALGREEN MEASURE 4.504.5. COMPOSITE WOOD PRODUCTS:

• PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD (MDF), AND HARDWOOD PLYWOOD USED ON THE EXTERIOR OR INTERIOR OF THE BUILDING SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN ARD'S AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD, BY OR BEFORE THE DATES SPECIFIED IN THOSE SECTIONS, AS SHOWN IN TABLE 4.504.5.

CALGREEN MEASURE 4.505.2 CONCRETE SLAB FOUNDATIONS

• CONCRETE \$LAB FOUNDATIONS REQUIRED TO HAVE A VAPOR RETARDER BY CALIFORNIA BUILDING CODE, CHAPTER 19 OR CONCRETE SLAB-ON-GROUND FLOORS REQUIRED TO HAVE A VAPOR RETARDER BY CALIFORNIA RESIDENTIAL CODE, CHAPTER 5, SHALL ALSO COMPLY WITH THIS

• <u>A VAPOR RETARDER AND CAPILLARY BREAK SHALL BE INSTALLED AT SLAB-ON-GRADE FOUNDATIONS. THE CAPILLARY BREAK SHALL BE</u>

INSTALLED IN COMPLIANCE WITH ONE OF THE FOLLOWING: • A 4" THICK BASE OF 1/2" OR LARGER CLEAN AGGREGATE WITH A VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE!

• OTHER EQUIVALENT METHOD APPROVED BY THE BUILDING DEPARTMENT.

• A \$LAB DESIGN \$PECIFIED BY A LICENSED DESIGN PROFESSIONAL THAT PROVIDES THE EQUIVALENT PROTECTION AGAINST MOISTURE INTRUSION INTO THE BUILDING

CALGREEN MEASURE 4.506.3. MOISTURE CONTENT OF BUILDING MATERIALS:

• BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED. WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED WHEN THE FRAMING MEMBERS EXCEED 19% MOISTURE CONTENT. MOISTURE CONTENT SHALL BE VERIFIED IN COMPLIANCE WITH THE FOLLOWING:

• BY A PROBE-TYPE OR CONTACT-TYPE MOISTURE METER OR OTHER EQUIVALENT METHODS APPROVED BY THE BUILDING DEPARTMENT.

• READINGS SHALL BE TAKEN AT A POINT 2 FT. TO 4 FT. FROM THE GRADE STAMPED END OF EACH PIECE TO BE VERIFIED. • A MINIMUM OF 3 RANDOM READINGS SHALL BE PERFORMED ON THE WALL AND FLOOR FRAMING WITH DOCUMENTATION PROVIDED TO THE BUILDING

• INSULATION PRODUCTS WHICH ARE VISIBLY WET OR HAVE A HIGH MOISTURE CONTENT SHALL BE REPLACED OR ALLOWED TO DRY PRIOR TO ENCLOSURE IN WALL OR FLOOR CAVITIES, WET-APPLIED INSULATION PRODUCTS SHALL FOLLOW THE MANUFACTURERS' DRYING RECOMMENDATIONS PRIOR TO ENCLOSURE.

CALGREEN MEASURE 4.506.1. BATHROOM (INDOOR) EXHAUST FANS:

• EACH BATHROOM (ROOM WHICH CONTAINS A BATHTUB, SHOWER, OR TUB/SHOWER COMBINATION) SHALL BE MECHANICALLY VENTILATED AND SHALL

COMPLY WITH THE FOLLOWING:

• FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING. • UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.

. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF LESS THAN OR EQUAL TO 50% TO A MAXIMUM OF 80%. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE EXHAUST FAN AND 15 NOT REQUIRED TO BE INTEGRAL (I.E., BUILT-IN).

CALGREEN MEASURE 5.501.2. HEATING AND AIR-CONDITIONING SYSTEM DESIGN: HEATING AND AIR-CONDITIONING SYSTEMS SHALL BE SIZED, DESIGNED, HAVE THEIR EQUIPMENT SELECTED USING THE FOLLOWING METHODS:

• THE HEAT LOSS AND HEAT GAIN IS ESTABLISHED ACCORDING TO ANSI/ACCA 2 MANUALS J - 2016 (RESIDENTIAL LOAD CALCULATION), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE METHODS.

• DUCT SYSTEMS ARE SIZED ACCORDING TO ANSI/ACCA I MANUAL D - 2016 (RESIDENTIAL DUCT SYSTEMS), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.

YERIFICATION OF COMPLIANCE WITH CODE MAY INCLUDE CONSTRUCTION DOCUMENTS, PLANS, SPECIFICATIONS, BUILDER OR INSTALLER CERTIFICATION, INSPECTION

PRELIMINARY

PROCERESS

NOT FOR CONSTRUCTION

• SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL 5 - 2014 (RESIDENTIAL EQUIPMENT SELECTION) OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.

CALGREEN MEASURE 102.1. INSTALLER QUALIFICATIONS:

CALGREEN MEASURE 703.1. VERIFICATION:

HVAC SYSTEM INSTALLERS SHALL BE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS.

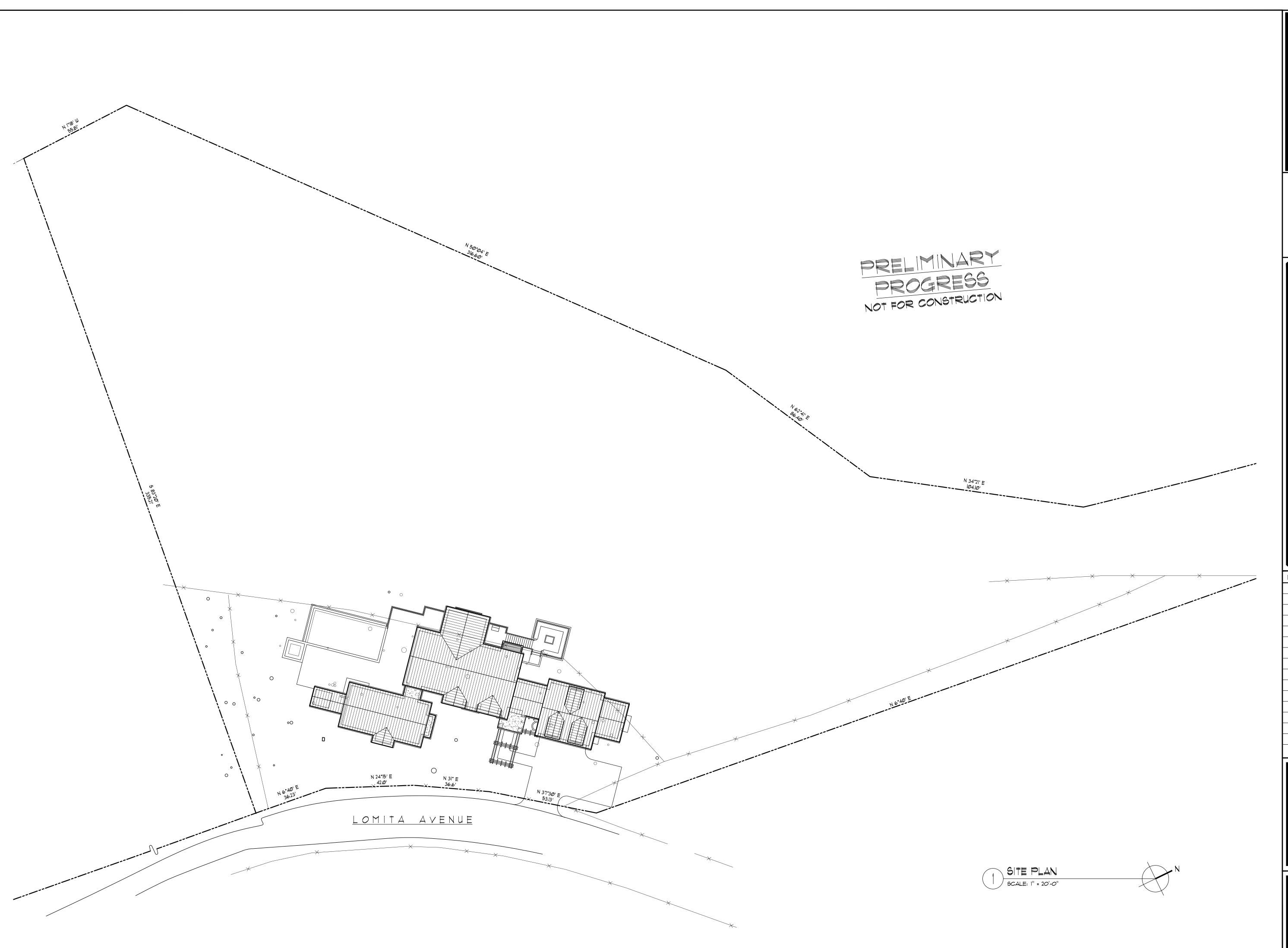
REPORTS, OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH SHOW SUBSTANTIAL CONFORMANCE.

ISSUE DATE: 11/14/23 REVISIONS 11/28/23 BUDGET SET

CALGREEN

ARCHITECTURE Robert Baumann + Associates

PROPOSED RESIDENCE DESIGN



RBA

ARCHITECTURE

Robert Baumann + Associates

801 Broadway Sonoma, CA 95476 PH 707.996.7947

RINGNESS RESIDENCE 1866| LOMITA AVE, SONOMA CA 95476

ISSUE DATE: 5/3/23

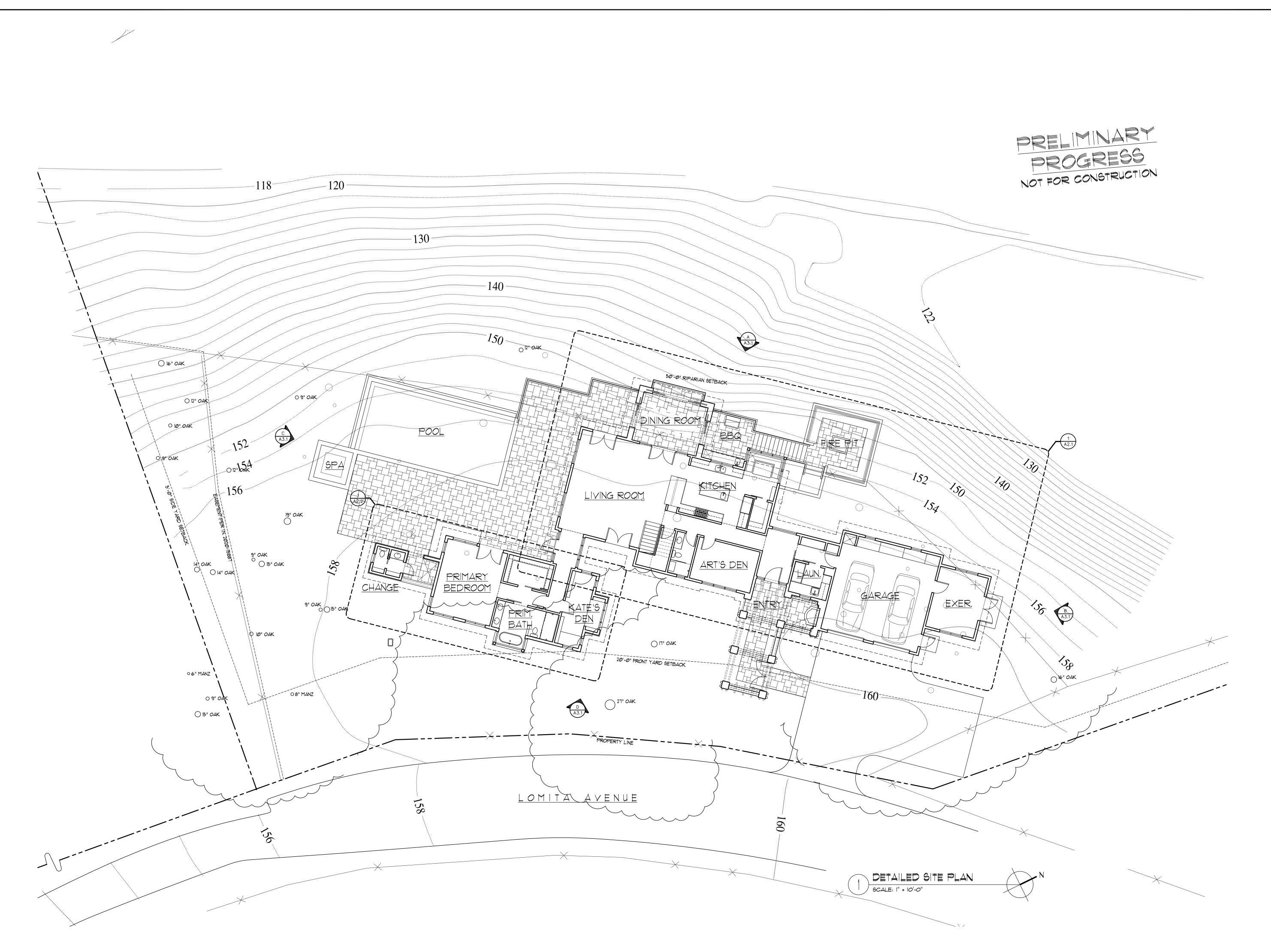
REVISIONS

11/28/23 BUDGET SET

PROPOSED RESIDENCE

DESIGN DEVELOPMENT

> OVERALL SITE PLAN



RBA
ARCHITECTURE
Robert Baumann + Associates

801 Broadway Sonoma, CA 95476 PH 707.996.7947

B661 LOMITA AVE, SONOMA CA 95476

| ISSUE DATE: 1/25/23 | REVISIONS | 1/25/23 | REVIEW | 8/18/23 | REVIEW | 10/21/23 | REVIEW | 11/28/23 | BUDGET SET

PROPOSED RESIDENCE

DESIGN DEVELOPMENT

> DETAILED SITE PLAN

PRELIMINARY

PROCERESS

NOT FOR CONSTRUCTIONO 9" OAĶ... PAD FOR WINE ROOM 148"-4" 0 10" OAK -TOE OF SLOPE (148'-4") PAD FOR POOL 152'-1" -TOE OF SLOPE (152'-1")-154 TOP OF SLOPE (155'-8")-19" OAK PAD FOR HOUSE 155'-8" BUILDING OUTLINE TYP. O () 15" OAK 14" OAK O\ O 14" OAK -TOE OF SLOPE (155'-8")-9" OAK O 15" OAK \Φ 10" OAK ○ 17" OAK 20'-0" FRONT YARD SETBACK 06" MANZ 16" OAK O O8" MANZ 0 9" 0ÅK ○ 15" *OA*K LOMITA AVENUE DETAILED SITE PLAN SCALE: 1" = 10'-0"

RBA
ARCHITECTURE

Robert Baumann + Associates

801 Broadway Sonoma, CA 95476 PH 707.996.7947 FX 707.996.7904

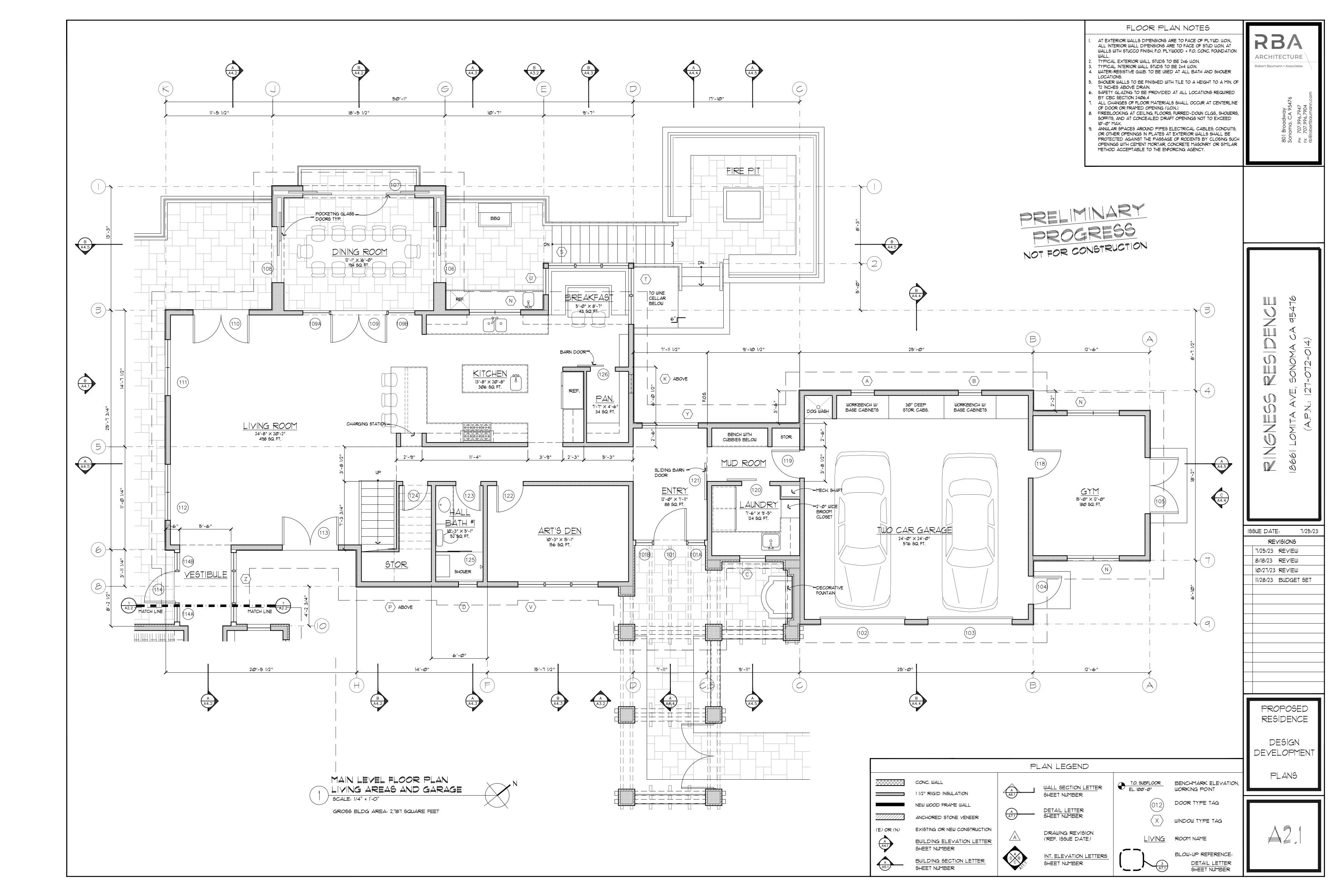
RINGNESS RESIDENCE 18661 LOMITA AVE, SONOMA CA 95476 (A.P.N.: 127-072-014)

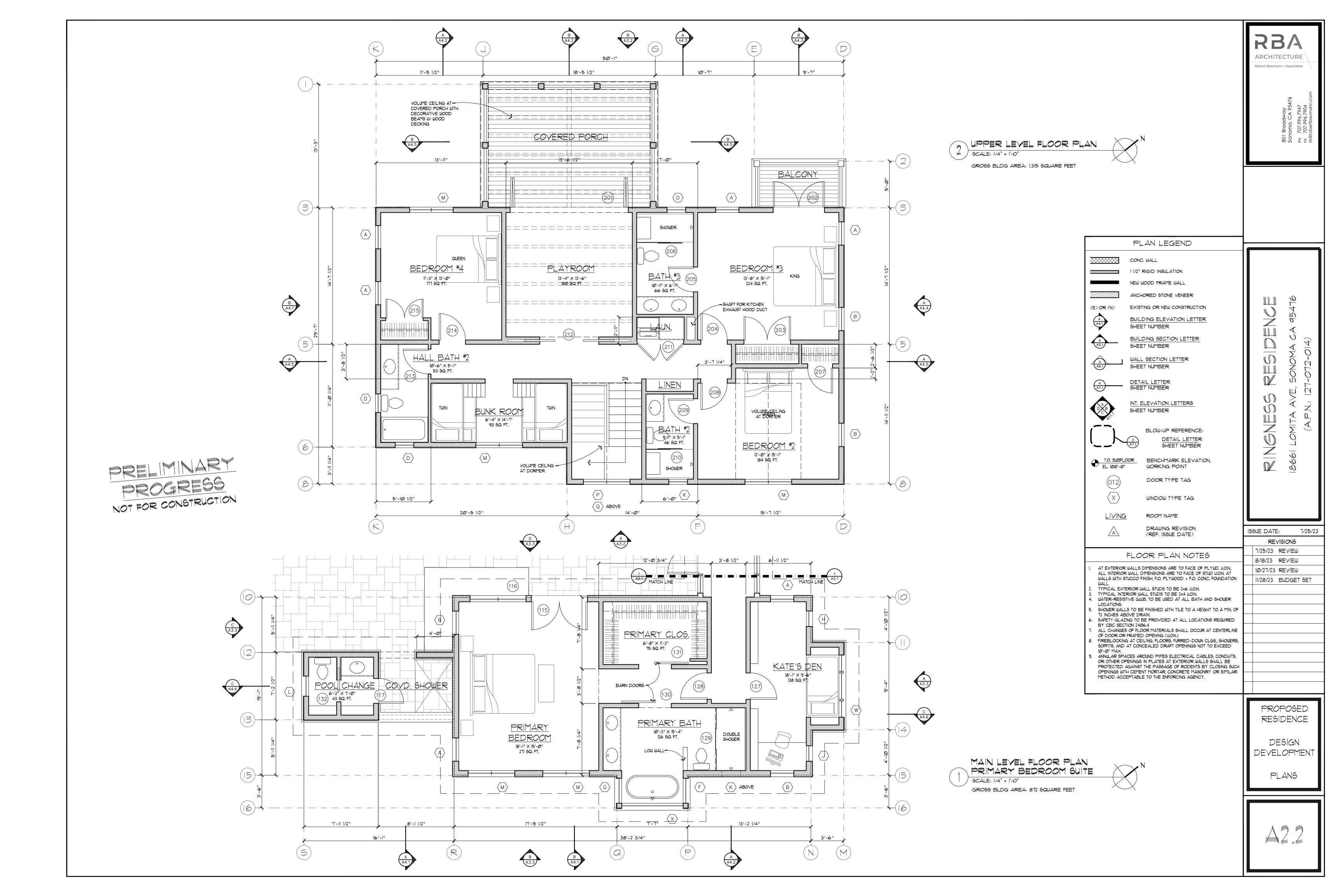
| ISSUE DATE: | 11/1/23 | REVISIONS | 11/1/23 | REVIEW | 11/28/23 | BUDGET SET

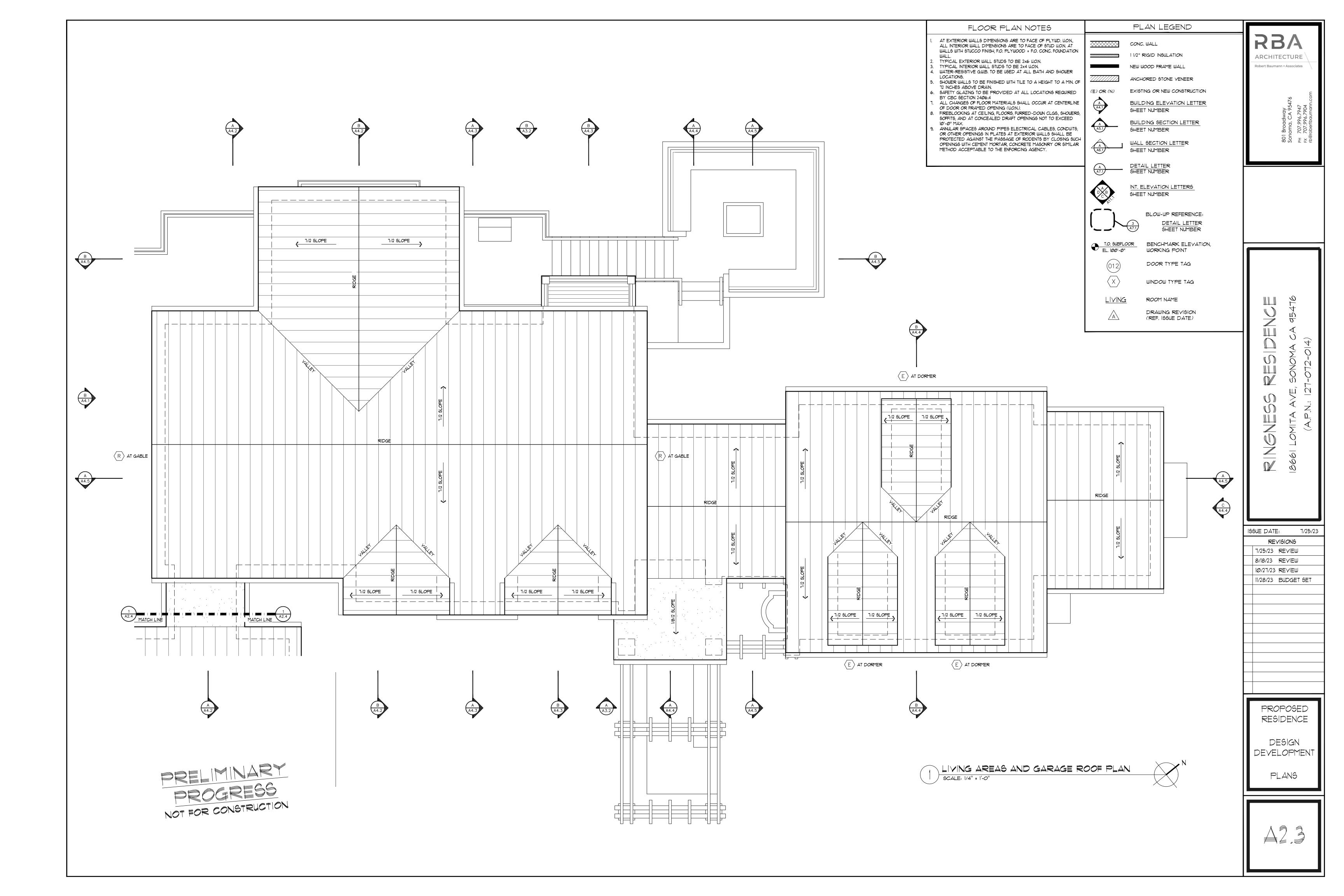
PROPOSED RESIDENCE

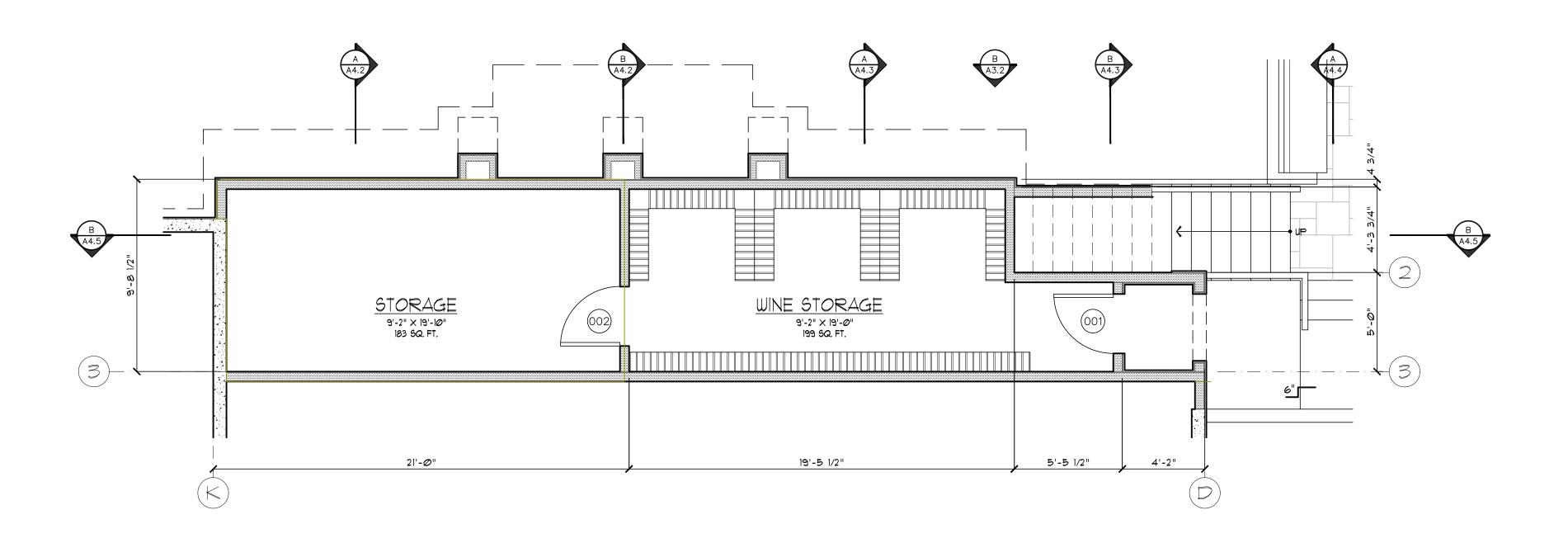
DESIGN DEVELOPMENT

PRELIMINARY PAD GRADING









PREDIMARY

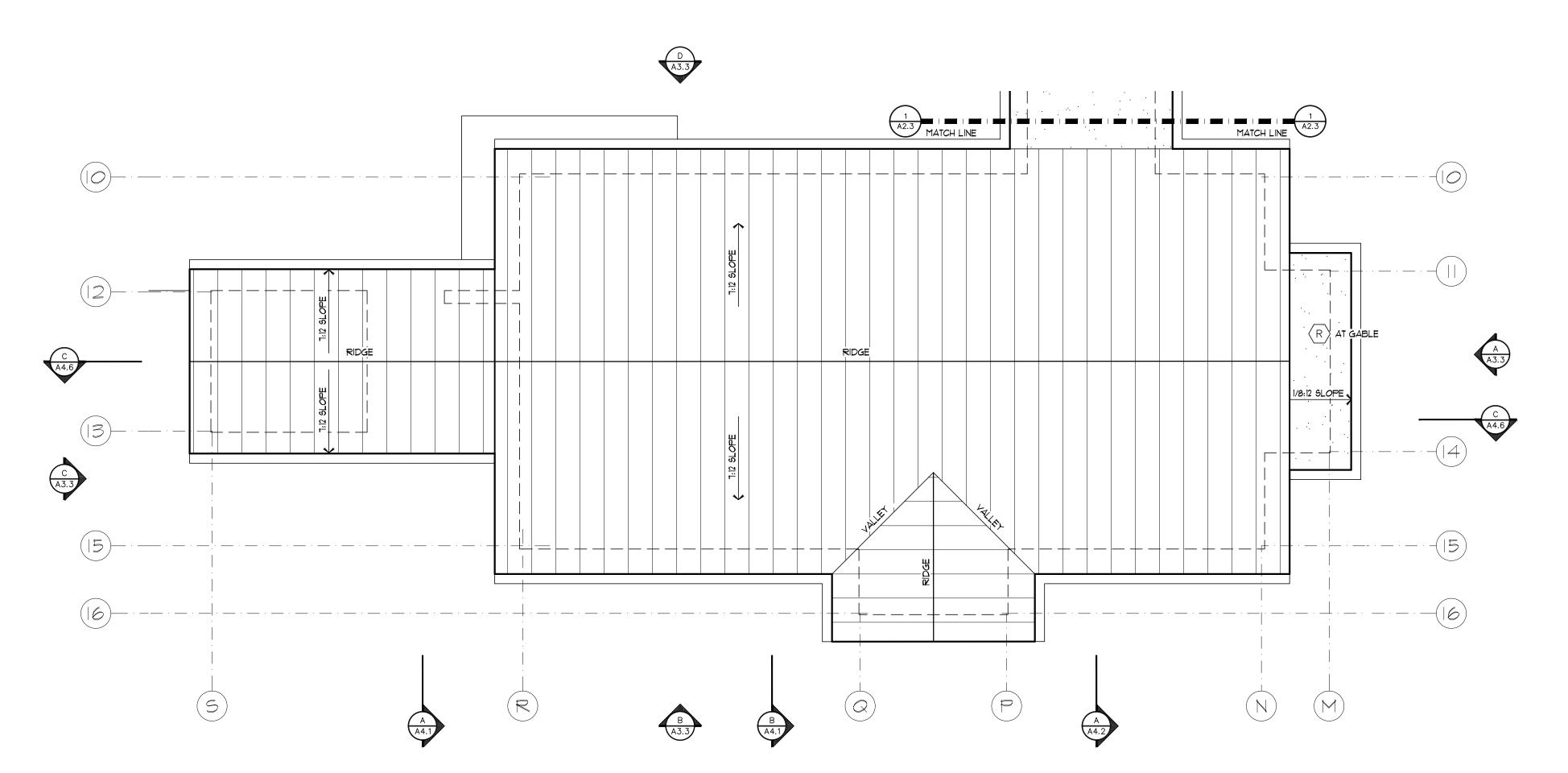
PROCERSON

NOT FOR CONSTRUCTION

LOWER LEVEL FLOOR PLAN

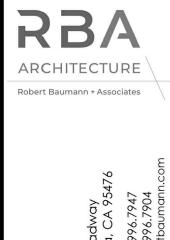
SCALE: 1/4" = 1'-0"

GROSS BLDG AREA: 431 SQUARE FEET



PRIMARY BEDROOM SUITE ROOF PLAN

SCALE: 1/4" = 1'-0"



PLAN LEGEND CONC. WALL 1 1/2" RIGID INSULATION NEW WOOD FRAME WALL ANCHORED STONE VENEER EXISTING OR NEW CONSTRUCTION BUILDING ELEVATION LETTER SHEET NUMBER BUILDING SECTION LETTER SHEET NUMBER WALL SECTION LETTER SHEET NUMBER DETAIL LETTER SHEET NUMBER INT. ELEVATION LETTERS SHEET NUMBER BLOW-UP REFERENCE: DETAIL LETTER SHEET NUMBER T.O. SUBFLOOR BENCHMARK ELEVATION, WORKING POINT DOOR TYPE TAG WINDOW TYPE TAG

<u>LIVING</u>

ROOM NAME

DRAWING REVISION

(REF. ISSUE DATE)

FLOOR PLAN NOTES

8/18/23 REVIEW AT EXTERIOR WALLS DIMENSIONS ARE TO FACE OF PLYWD. U.O.N., 10/27/23 REVIEW ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF STUD U.O.N. AT WALLS WITH STUCCO FINISH, F.O. PLYWOOD = F.O. CONC. FOUNDATION 11/28/23 BUDGET SET TYPICAL EXTERIOR WALL STUDS TO BE 2x6 U.O.N. TYPICAL INTERIOR WALL STUDS TO BE 2x4 U.O.N. 4. WATER-RESISTIVE G.W.B. TO BE USED AT ALL BATH AND SHOWER LOCATIONS. 6. SHOWER WALLS TO BE FINISHED WITH TILE TO A HEIGHT TO A MIN. OF 72 INCHES ABOVE DRAIN. . SAFETY GLAZING TO BE PROVIDED AT ALL LOCATIONS REQUIRED BY CBC SECTION 2406.4 ALL CHANGES OF FLOOR MATERIALS SHALL OCCUR AT CENTERLINE OF DOOR OR FRAMED OPENING (U.O.N.). 3. FIREBLOCKING AT CEILING, FLOORS, FURRED-DOWN CLGS., SHOWERS, SOFFITS, AND AT CONCEALED DRAFT OPENINGS NOT TO EXCEED 10'-0" MAX. ANNULAR SPACES AROUND PIPES ELECTRICAL CABLES, CONDUITS, OR OTHER OPENINGS IN PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR SIMILAR METHOD ACCEPTABLE TO THE ENFORCING AGENCY.

> PROPOSED RESIDENCE

ISSUE DATE:

REVISIONS

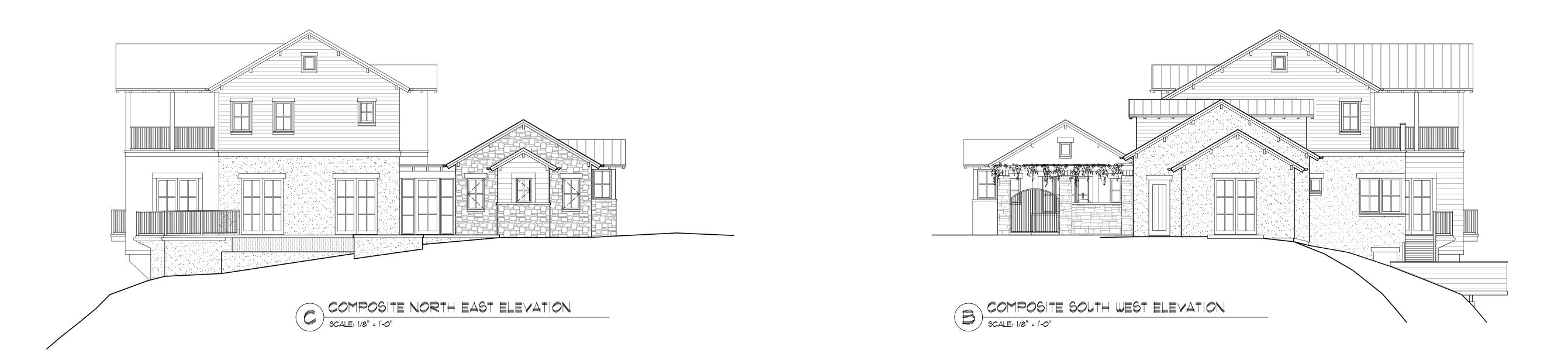
7/25/23 REVIEW

7/25/23

DESIGN DEVELOPMEN

PLANS

COMPOSITE SOUTH EAST ELEVATION SCALE: 1/8" = 1'-0"





SCALE: 1/8" = 1'-0"



801 Broadway Sonoma, CA 95476 PH 707.996.7947 FX 707.996.7904

RINGNESS RESIDENCE 18661 LOMITA AVE, SONOMA CA 95476

| ISSUE DATE: 8/18/2:
| REVISIONS | 8/18/23 | REVIEW | 10/27/23 | REVIEW | 11/28/23 | BUDGET SET

PROPOSED MAIN HOUSE

DESIGN DEVELOPMENT

EXTERIOR KEY ELEVATIONS

A 3



RBA

ARCHITECTURE

Robert Baumann + Associates

801 Broadway Sonoma, CA 95476 PH 707.996.7947 FX 707.996.7904

RINGNESS MESIDENC 1866| LOMITA AVE, SONOMA CA 954

| 1969UE DATE: | 10/27/23 | REVIEW | 11/28/23 | BUDGET SET

PROPOSED MAIN HOUSE

DESIGN DEVELOPME

EXTERIOR ELEVATIONS

TYPICAL "FLAT" ROOF CONSTRUCTION:
SINGLE-PLY ROOFING OV/ SLOPED
PLYWOOD SUBSTRATE (1/8" PER 12")
OV/ 2X SLEEPERS OV/ WOOD RAFTERS
(REF. STRUCT. DWGS.) WITH 2X T4G WOOD TYPICAL ROOF CONSTRUCTION (7:12 PITCH)
"CLASS A" STANDING SEAM METAL ROOF
OV/ W.R. GRACE "TRI-FLEX XTREME"
OV/ STRUCTURAL SHEATHING
(TYP., REF. STRUCT. DWGS.) DECKING OV/ 4X10 WOOD RAFTER TAILS AT EAVES ADHERED STONE VENEER CONSTRUCTION 1 1/2" THK. ADHERED STONE VENEER OV/ 1/2" ADHERING BED OV/ MTL. LATH (ATTACH TO FRAMING W/ METAL HIT ANCHORS

16" HORIZ. & T" YERT. W/ POLYURETHANE

SEALANT) OV/ BUILDING PAPER OV/ 1/4" VESTIBULE DRAIN MAT OV/ WEATHER RESISTIVE
BARRIER (TYVEK "STUCCO WRAP") OV/
STRUCTURAL SHEATHING (REF. STRUCT, DWGS.) PRIMARY BEDROOM WING WEST ELEVATION PRIMARY BEDROOM WING SOUTH ELEVATION 9CALE: 1/4" = 1'-0"

LARGE EXPOSURE HORIZ. SIDING WALL CONSTRUCTION: CEMENTITIOUS BOARD LAP SIDING (9" EXPOSURE) OV/ WEATHER RESISTANT MEMBRANE OV/ PLYWOOD SHEATHING (REF. STRUCT. DWGS.)

PRIMARY BEDROOM WING EAST ELEVATION

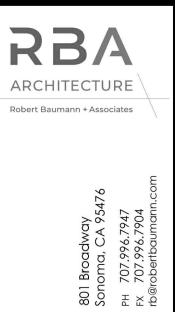
SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

PRIMARY BEDROOM WING NORTH ELEVATION

SCALE: 1/4" = 1'-0"



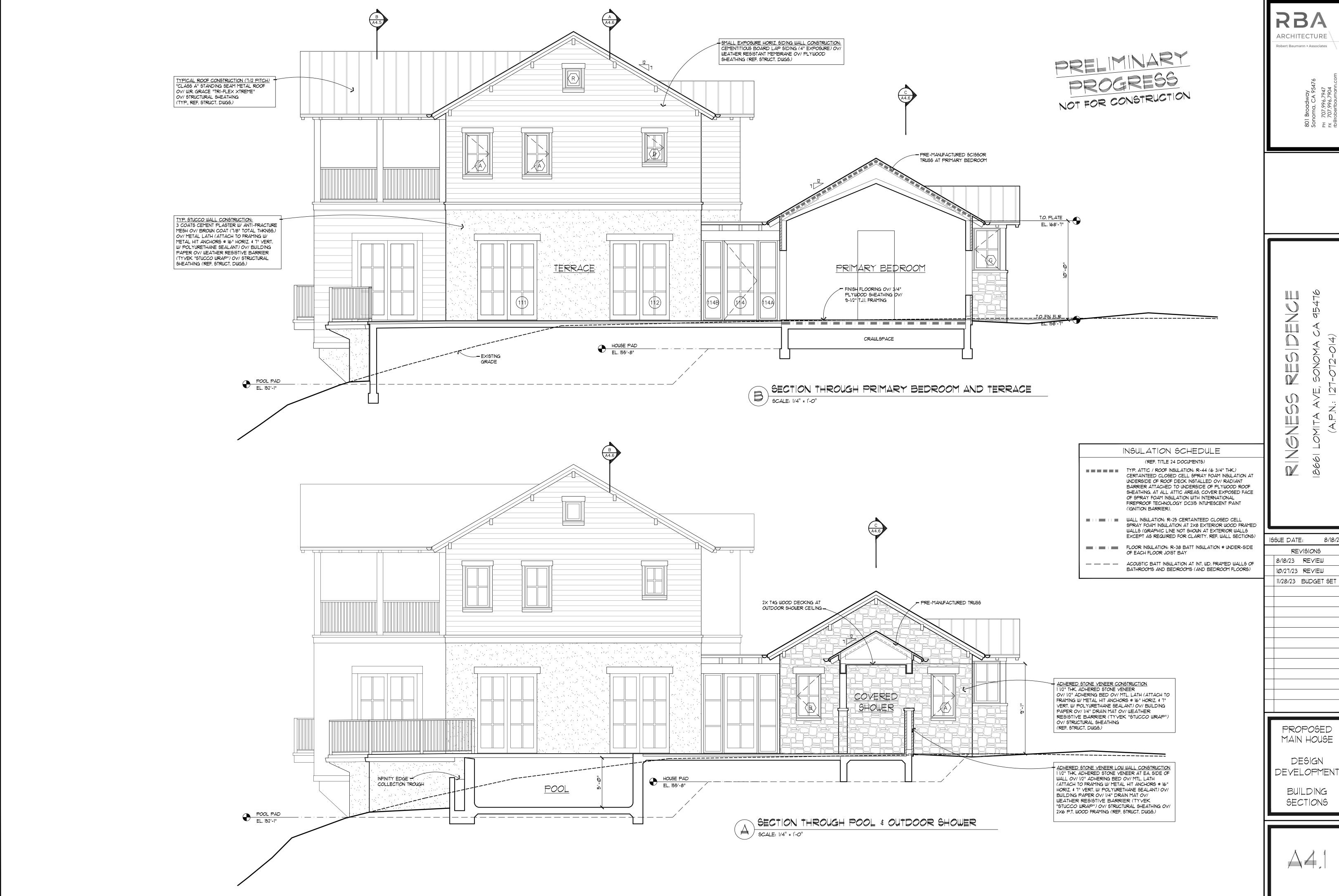


ıs	SUE DATE:	10/27/23
	REVI	SIONS
	10/27/23	REVIEW
	11/28/23	BUDGET SET

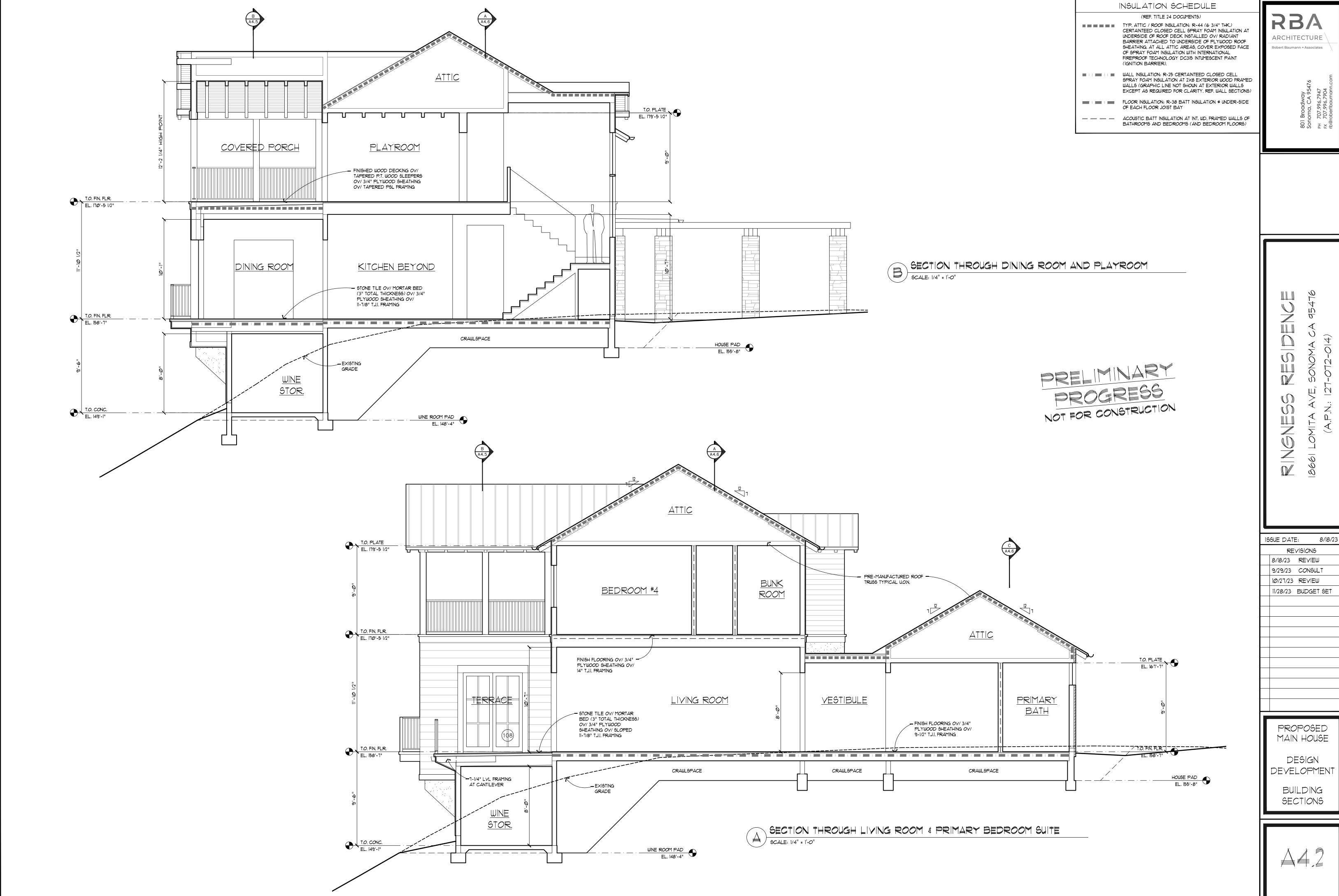
10/27/23	REVIEW	
11/28/23	BUDGET	SE ⁻

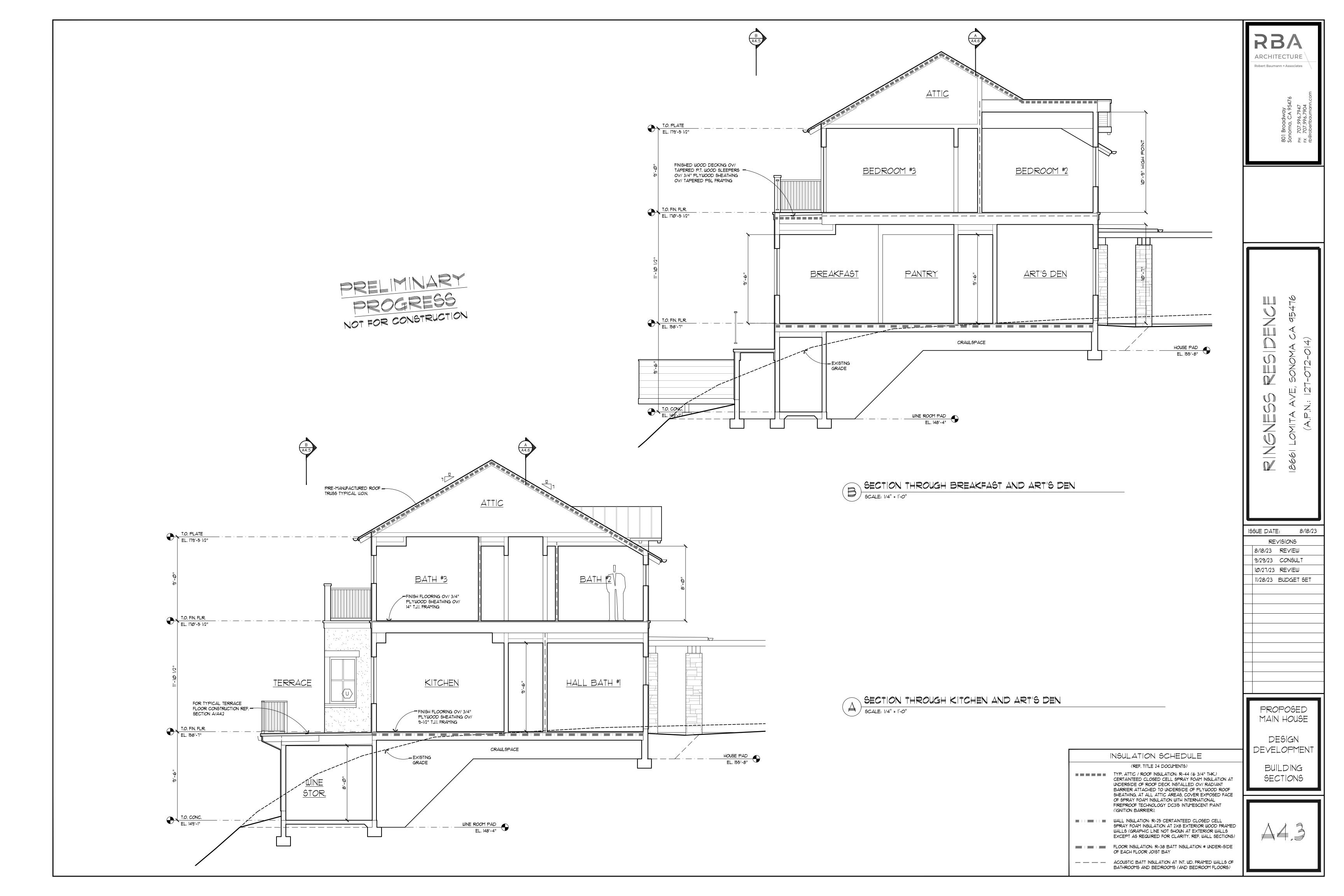
MAIN HO	
DESIC DEVELOR	

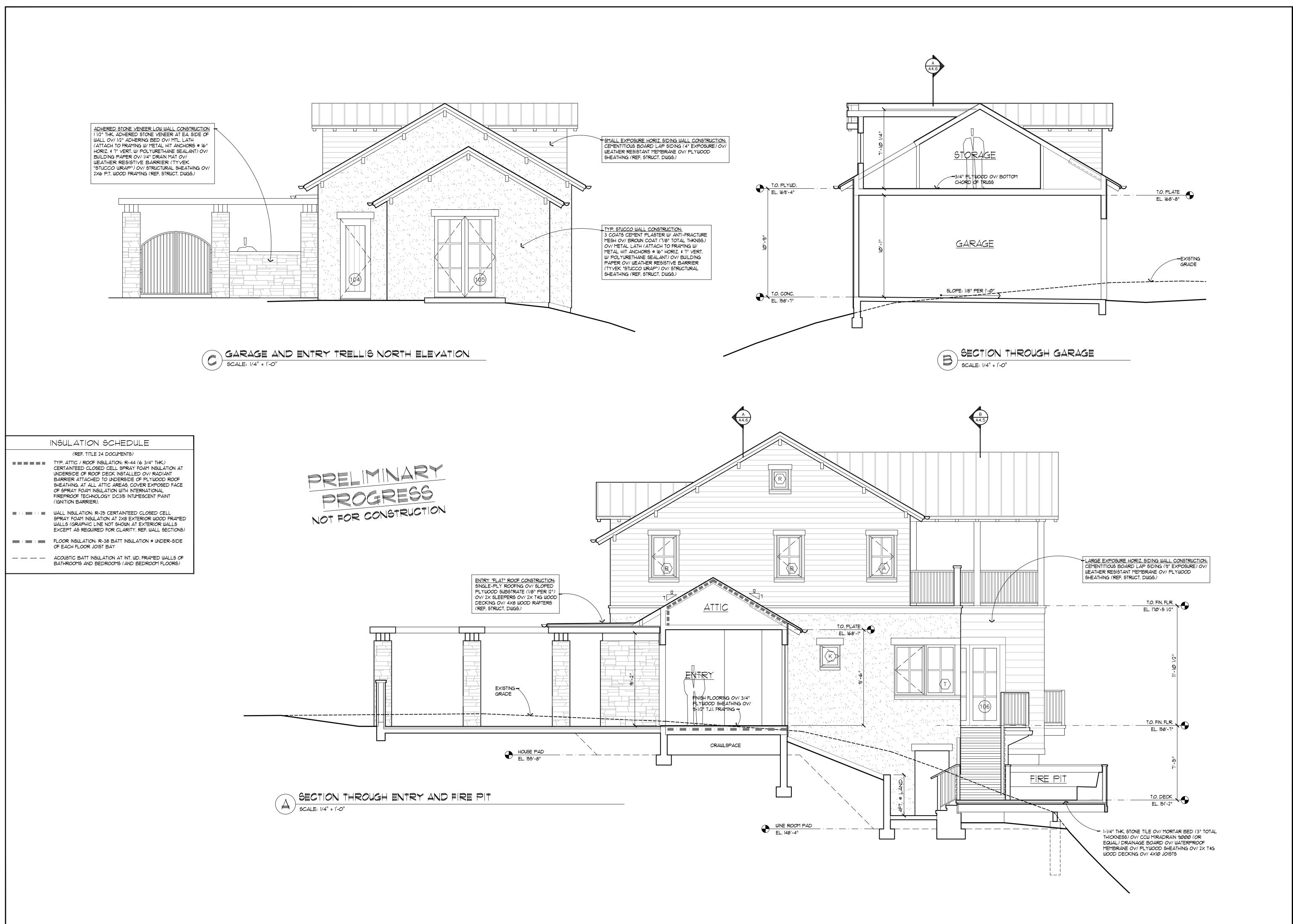
EXTERIOR ELEVATIONS



8/18/23







RBA
ARCHITECTURE
Robert Baumann + Associates

82

801 Broadway Sonoma, CA 95476 PH 707.996.7947 FX 707.996.7904 rb@robertbaumann.com

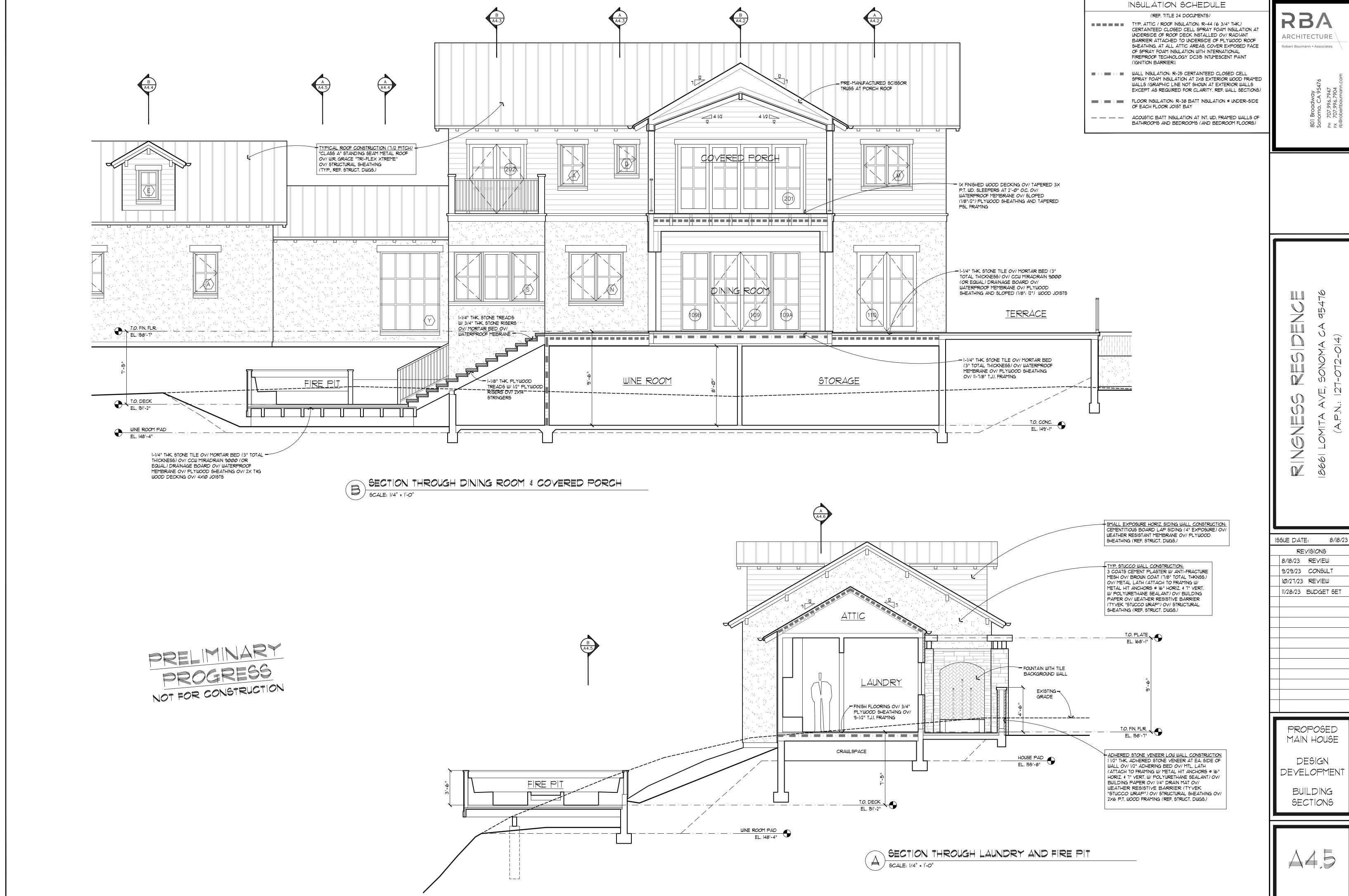
RINGNESS RESIDENCE 18661 LOMITA AVE, SONOMA CA 95476

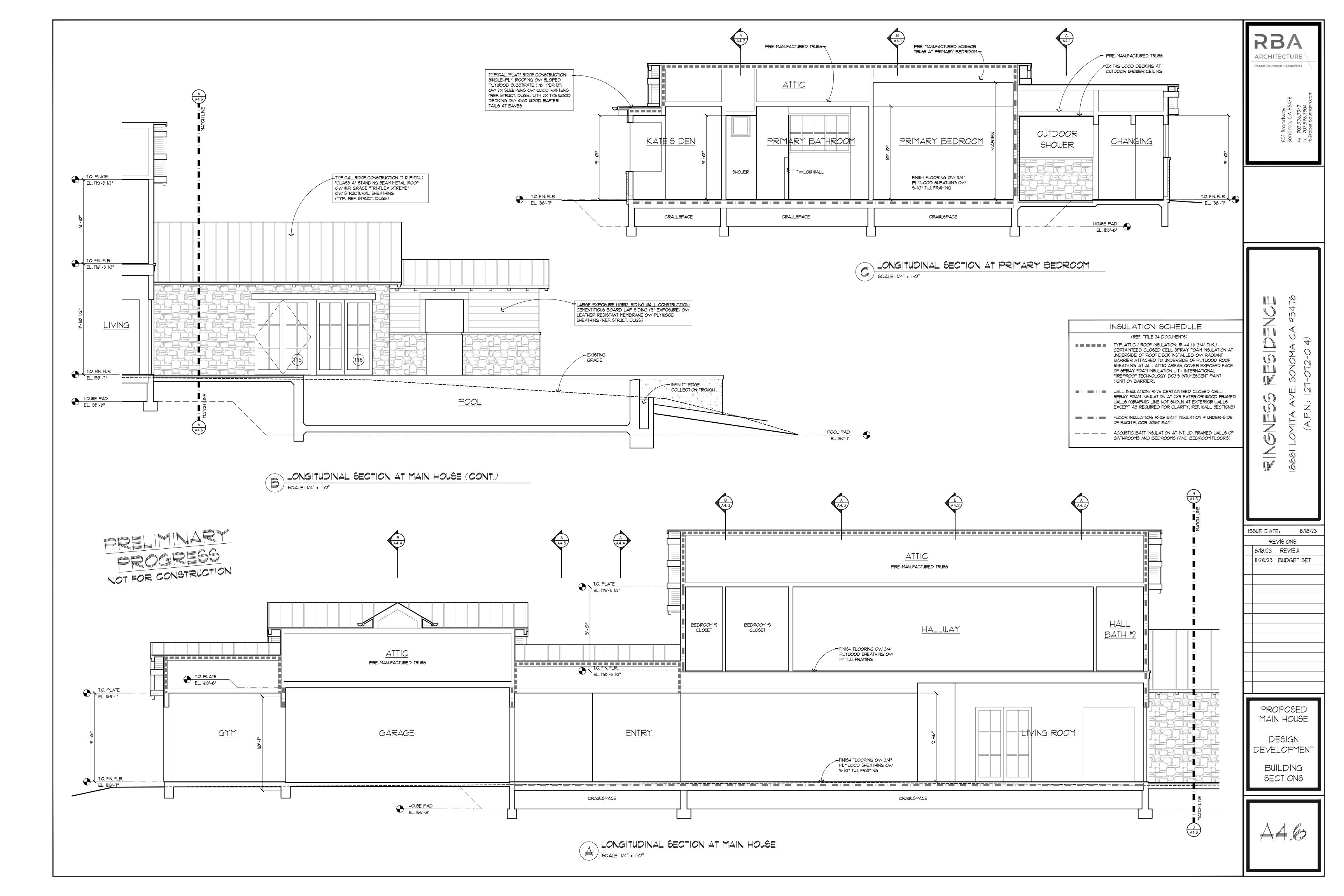
| SOUE DATE: 8/18/23 | REVISIONS | 8/18/23 | REVIEW | 9/29/23 | CONSULT | 10/27/23 | REVIEW | 11/28/23 | BUDGET SET

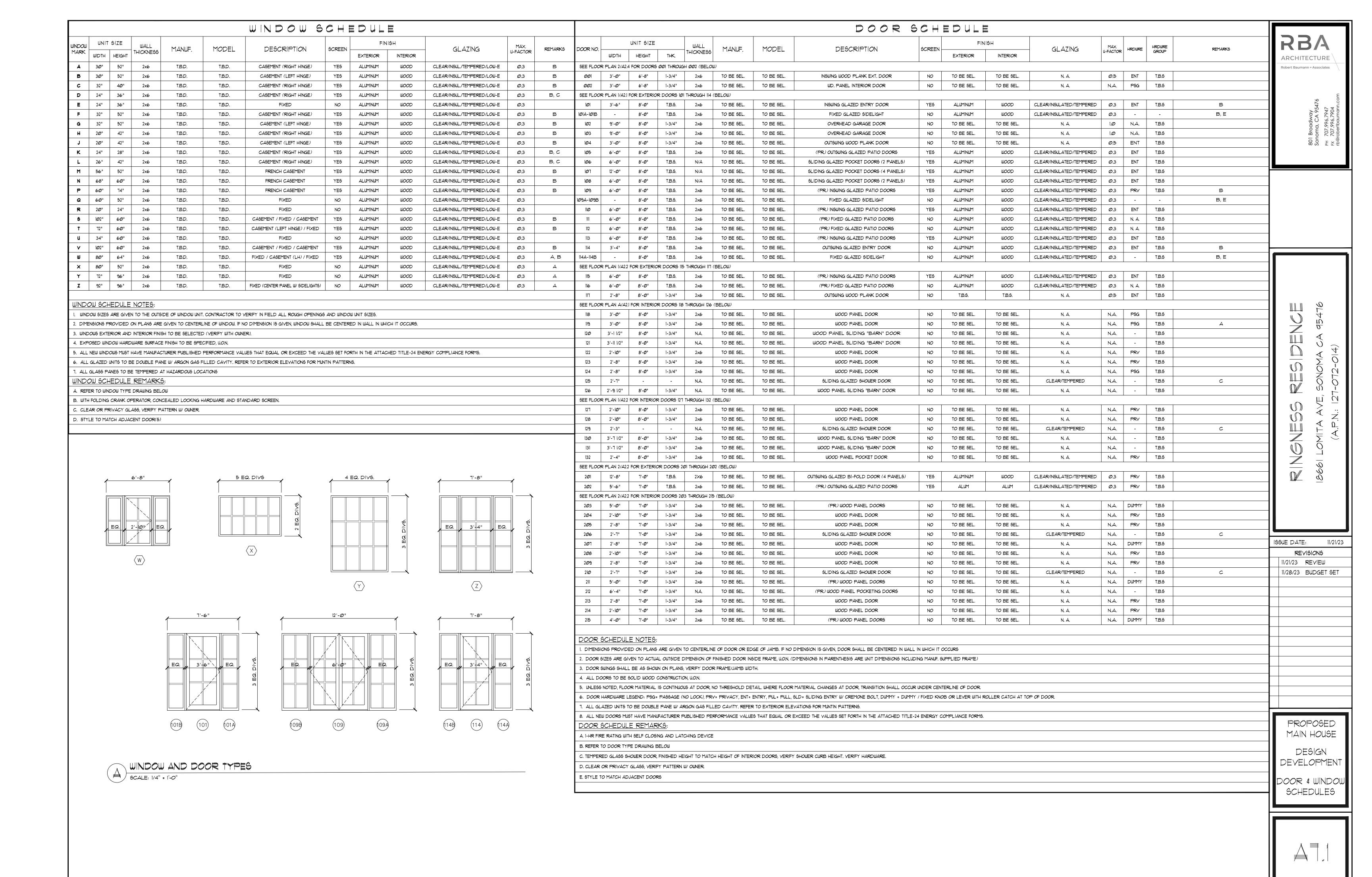
PROPOSED
MAIN HOUSE

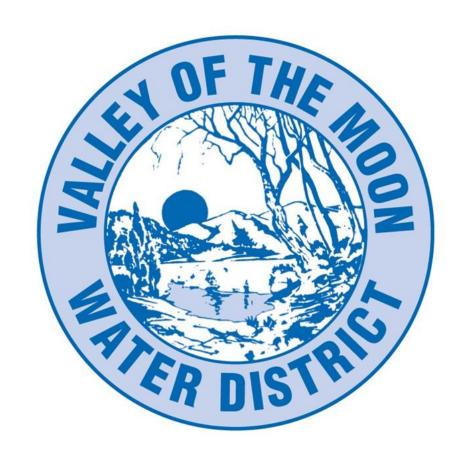
DESIGN
DEVELOPMENT

BUILDING SECTIONS









VALLEY OF THE MOON WATER DISTRICT STANDARD PLANS REVISED 01/2015

VALLEY OF THE MOON WATER DISTRICT WATER MAIN CONSTRUCTION NOTES

- 1. THE EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL PROTECT THESE EXISTING UTILITIES AND SHALL DO NO EXCAVATION UNTIL ALL UTILITY AGENCIES HAVE MARKED THEIR FACILITIES IN THE FIELD. CALL UNDERGROUND SERVICE ALERT (48 HOURS NOTICE REQUIRED) (800) 227-2600 OR 811.
- 2. THE LOCATIONS OF ALL EXISTING UTILITIES OR OTHER UNDERGROUND OBSTRUCTIONS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND SHOULD NOT BE TAKEN AS FINAL OR ALL INCLUSIVE. THE CONTRACTOR IS CAUTIONED THAT THE PLANS MAY NOT INCLUDE THE LOCATION OF ALL UNDERGROUND OBSTRUCTIONS WHICH MAY BE ENCOUNTERED.
- 3. PRIOR TO CONSTRUCTION OF ANY UNDERGROUND UTILITIES, INCLUDING WATER, SEWER AND STORM DRAINS, THE CONTRACTOR SHALL EXPOSE ALL EXISTING UTILITY FACILITIES WHICH ARE TO BE CONNECTED TO OR CROSSED AND THE ENGINEER SHALL VERIFY THEIR GRADE.
- 4. THE CONTRACTOR SHALL NOT OPERATE ANY MAIN LINE WATER VALVES. SUCH VALVES SHALL BE OPERATED BY THE VALLEY OF THE MOON WATER DISTRICT PERSONNEL ONLY OR AS DIRECTED.
- 5. CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE COUNTY OF SONOMA AND PROVIDE THE VALLEY OF THE MOON WATER DISTRICT WITH AN APPROVED COPY, INCLUDING ALL OTHER RELATED INFORMATION, BEFORE ANY WATER FACILITY WORK SHALL COMMENCE.
- 6. ALL WATER SYSTEM WORK SHALL CONFORM TO THE STANDARDS OF THE VALLEY OF THE MOON WATER DISTRICT. CONTRACTOR SHALL CONTACT THE VALLEY OF THE MOON WATER DISTRICT (996-1037) 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR A PRE-CONSTRUCTION MEETING AND INSPECTION, AS ALL WATER MAIN CONSTRUCTION MUST BE INSPECTED BY THE VALLEY OF THE MOON WATER DISTRICT. IN THE EVENT OF ANY BREAKS IN THE CONSTRUCTION PROCESS, CONTRACTOR SHALL CONTACT VALLEY OF THE MOON WATER DISTRICT 24 HOURS PRIOR TO RECOMMENCEMENT OF CONSTRUCTION.
- 7. CONSTRUCTION OF WATER FACILITIES SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE VALLEY OF THE MOON WATER DISTRICT, INCLUDING STANDARD PLANS.
- 8. CONTRACTOR, WHEN APPLYING FOR ENCROACHMENT PERMIT WITH CALTRANS, SHALL INDICATE ON THE PERMIT THAT THE VALLEY OF THE MOON WATER DISTRICT WILL BE OWNER OF THE WATER FACILITIES AFTER THEY ARE CONVEYED TO THE DISTRICT.
- 9. CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ALL FEES TO ALL RELATED AGENCIES PRIOR TO COMMENCEMENT OF ANY WORK.

- 10. WATER CONSTRUCTION, TESTING, CLEANING, AND DISINFECTION SHALL BE SUBJECT TO INSPECTION AND APPROVAL OF THE VALLEY OF THE MOON WATER DISTRICT. PRESSURE / LEAKAGE TESTS SHALL NOT BE MADE UNTIL A MINIMUM 72 HOURS AFTER THE LAST THRUST BLOCK HAS BEEN POURED.
- 11. ALL FLUSHING, TESTING AND DISINFECTION OF WATER MAINS SHALL BE COMPLETED PRIOR TO CONNECTING TO EXISTING WATER MAINS. THE CONTRACTOR SHALL DISINFECT THE NEWLY INSTALLED PIPELINE BY USE OF HTH TABLETS. TABLETS SHALL BE ATTACHED TO THE CROWN OF THE PIPE AT EACH JOINT WITH TYTON PIPE LUBRICANT, OR EQUAL, AS FOLLOWS:

Pipe Size	# of Tablets	Pipe Size	# of Tablets
4"	1	16"	8
6"	1	20"	12
8"	2	24"	18
12"	4	30"+	As approved

THE PIPELINE SHALL BE SLOWLY FILLED TO ALLOW PROPER CIRCULATION OF THE HTH AND THE SOLUTION SHALL BE ALLOWED TO STAND FOR A MINIMUM OF TWEN TY-FOUR (24) HOURS.

CONNECTION IS TO BE MADE ONLY ON APPROVAL TO THE VALLEY OF THE MOON WATER DISTRICT.

- 12. CONTRACTOR SHALL PROVIDE VALLEY OF THE MOON WATER DISTRICT REPRESENTATIVES WITH A VALID COPY OF A "CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PERMIT" FOR THE PROJECT.
- 13. CONSTRUCTION OF WATER FACILITIES SHALL BE IN COMPLIANCE WITH BASIC SEPARATION STANDARDS "CALIFORNIA WATER WORKS STANDARDS" CONTAINED IN SECTION 64630, TITLE 22, CALIFORNIA ADMINISTRATIVE CODE.
- 14. MINIMUM DEPTH OF COVER FROM FINISHED GRADE, EXCEPT AS NOTED ON PLANS, SHALL BE: 36" FOR 6" MAINS, 36" FOR 8" MAINS, 44" FOR 12" MAINS, AND 48" FOR 14" AND LARGER MAINS. 4" AND 10" MAINS MUST BE SPECIFICALLY APPROVED BY THE VALLEY OF THE MOON WATER DISTRICT. 6" AND 8" MAIN LINE VALVES SHALL BE RESILIENT SEAT GATE VALVES WITH TOTALLY ENCAPSULATED GATE. 12" AND LARGER MAIN LINE VALVES SHALL BE BUTTERFLY VALVES. BLOW OFF SPECIFIED ON IMPROVEMENT PLANS.
- 15. NO. 12 THW OR RHW SOLID COPPER WIRE SHALL BE LAID ON TOP OF AND ALONG ENTIRE LENGTH OF ALL NON METALLIC MAINS, AND SHALL BE EXTENDED TO THE SURFACE AT ALL VALVE LOCATIONS, BLOWOFFS AND METER BOXES SUFFICIENTLY FOR LOCATOR EQUIPMENT TO BE ATTACHED. WIRE TO BE AFFIXED TO TOP OF PIPE SO AS NOT TO BE DISPLACED BY BACKFILLING PROCEDURE. AFFIX THE WIRE TO THE TOP OF THE PIPE WITH DUCT TAPE AT

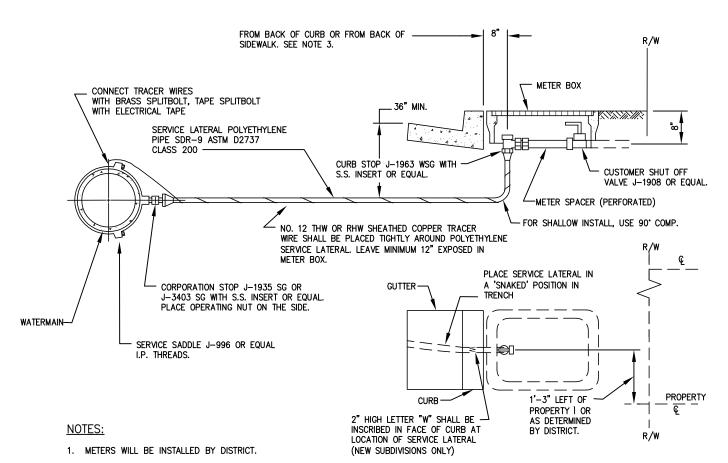
- APPROXIMATELY 5 FEET INTERVALS. SPLICE CONNECTIONS TO BE MADE COPPER OR BRASS SPLIT BOLTS, WRAPPED WITH ELECTRICAL TAPE.
- 16. ALL EXPOSED BOLTS INSTALLED UNDERGROUND SHALL BE STAINLESS STEEL OR STEEL COATED WITH A FLUOROPLOYMER COATING AND HEAT TREATED (MUELLER TRIPAC 2000 BLUE COATING SYSTEM). THIS INCLUDES, BUT IS NOT LIMITED TO, FLANGE AND FLEXIBLE COUPLING BOLTS.
- 17. THERE SHALL BE NO UNMETERED CONNECTIONS TO THE VALLEY OF THE MOON WATER DISTRICT SYSTEM INCLUDING CONNECTIONS BYPASSING METER FOR TESTING ON-SITE PLUMBING OR FOR OBTAINING CONSTRUCTION WATER. PRESSURE TESTING AGAINST VALVES WILL ALSO NOT BE ALLOWED. WHEN A SUBDIVISION WATER MAIN HAS BEEN ACCEPTED AND TIED-IN, THE INDIVIDUAL CURB STOPS WILL BE LOCKED OFF WITH CABLE TIES. CUTTING OFF OR TAMPERING WITH THE CABLE TIES WILL CONSTITUTE A STRAIGHT TIE-IN CONNECTION. SUCH CONNECTIONS SHALL BE SEVERED BY THE DISTRICT AND WILL RESULT IN PENALTIES INCLUDING PAYMENT OF FINES AND ESTIMATED WATER USAGE FEES.
- 18. SERVICE LATERALS OTHER THAN THOSE SHOWN OR NOTED ON THE PLANS SHALL NOT BE INSTALLED PRIOR TO OBTAINING DISTRICT APPROVAL.
- 19. WATER AND SEWER SERVICE LATERALS SHALL BE SEPARATED HORIZONTALLY BY A MINIMUM OF 5 FEET.
- 20. METER MANIFOLDS MUST BE DETAILED AND APPROVED BY THE DISTRICT. IN GENERAL, MANIFOLDS WHERE ALL FITTINGS ARE 2" OR LESS, SHALL BE CONSTRUCTED FROM THREADED BRASS PIPE AND FITTINGS FROM THE END OF THE SERVICE LATERAL TO THE METER CONNECTION. NO PLASTIC PIPE SHALL BE USED IN CONSTRUCTION MANIFOLDS OF ANY SIZE. NO MORE THAN SIX METERS MAY BE MANIFOLDED OFF A SINGLE WATER SERVICE LATERAL, WITH NO MORE THAN 3 ON EITHER SIDE OF THE SERVICE.
- 21. ALL METER BOXES, VAULTS AND PITS SHALL BE BEDDED ON 3" MINIMUM THICK, 3/4" DRAIN ROCK BED AGAINST COMPACTED OR UNDISTURBED BASE. THE GRAVEL BED SHALL EXTEND TO 4" MINIMUM BEYOND ALL SIDES OF THE METER BOX. BOX SHALL BE SET FLUSH WITH TOP OF CURB, SIDEWALK OR GROUND, WHICHEVER IS APPLICABLE. LOT NUMBERS MUST BE NOTED ON TOP SIDE OF METER BOX WITH PERMANENT MARKING PEN.
- 22. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE DISTRICT AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DISTRICT OF THE ENGINEER.

- 23. TREES SHALL NOT BE REMOVED, UNLESS OTHERWISE SHOWN, WITHOUT AUTHORIZATION BY THE DISTRICT. ROOTS LARGER THAN 2 INCHES IN DIAMETER SHALL NOT BE CUT; TUNNELING UNDER LARGE ROOTS MAY BE REQUIRED. DAMAGE TO LIMBS, TRUNKS OR ROOTS SHALL BE REPAIRED BY QUALIFIED PERSONNEL.
- 24. WATER MAINS SHALL BE INSTALLED IN STRAIGHT ALIGNMENTS BETWEEN FITTINGS. CURVED MAINS SHALL REQUIRE PRIOR DISTRICT APPROVAL. THE RADIUS OF CURVED MAINS SHALL NOT EXCEED THE PIPE MANUFACTURER'S RECOMMENDED LIMITS. FITTING SHALL BE REQUIRED WHERE THE RADIUS EXCEEDS THE LIMITS, OR IF PRIOR DISTRICT APPROVAL FOR CURVED MAINS WAS NOT OBTAINED.

STANDARD PLANS

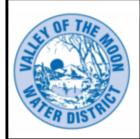
TABLE OF CONTENTS

NO.	TITLE
	XX
1A	Water Service For 5/8", 3/4" And 1" Meters
1B	Water Service For 1-1/2" And 2" Meters
1C	Water Service For 3" Meter
1D	By – Pass For 3" Meter
2A	Water Valve Installation
2B	Valve Installation Details
3A	Fire Hydrant Installation
3B	Fire Hydrant Guard Post Installation
4A	Blow Off At End of Line
4B	Water Main Lowering Detail
5 A	II. ' I TI D1 . 1 D '
5A	Horizontal Thrust Block Requirements
5B	Vertical Thrust Block Requirements
5C	Restrained Joint Requirements
6A	Double Check Valve (Above Grade)
6B	Double Check Valve (Below Grade)
02	2 ouest choose vario (2010)
7	Reduced Pressure Backflow Preventer
8	Redwood Enclosure
0	Eine Comindian Compiles 42 Through 92
9	Fire Sprinkler Service 4" Through 8"
10	Trench Backfill And Surfacing
10	Trenen Buckim 7 ma Buriucing
11A	Air Vacuum & Air Release Valve
11B	Vent Detail
12	A.V. & A.R. Valve With Blow-Off
13	Water Main Encasement
14	Multi-Service Manifold
14	Multi-Service Mainfold
15	Water-Sewer Main Crossing Detail



- 2. BACKFILL SHALL CONFORM TO STD. PLAN 10.
- 3. METER LOCATION SHOWN IS AT BACK OF CURB; HOWEVER, METER SHALL BE INSTALLED BEHIND SIDEWALK OR CURB AS DETERMINED BY THE DISTRICT.
- 4. INSTALLATION OF SERVICE LATERALS IN DRIVEWAYS WILL NOT BE ALLOWED.
- 5. NO UNIONS ALLOWED IN SERVICE LATERALS UNLESS APPROVED.
- 6. SERVICE TAP SHALL BE A MIN. OF 18" FROM ANY TAP, BELL, FITTING OR OTHER SERVICE.
- 7. SET MTR. BOXES ON MIN. 3" OF 3/4" DRAIN ROCK. (TYP)
- 8. ALL COMPRESSION FITTINGS SHALL HAVE SS INSERTS.

METER SIZE	LATERAL SIZE	METER SPACER (PERF. I.P. NIPPLE)	CHRISTY METER BOX	CHRISTY METER BOX COVER	
MEIER SIZE				NON-TRAFFIC	TRAFFIC
5 ₈ "	1"	1"Ê x 7-½" LONG	B16	FL16D	B16-61G
34"	1"	1"Ê x 7-½" LONG	B16	FL16D	B16-61G
1"	1"	1–¼"Ê x 10−¾" LONG	B16	FL16D	B16-61G



NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

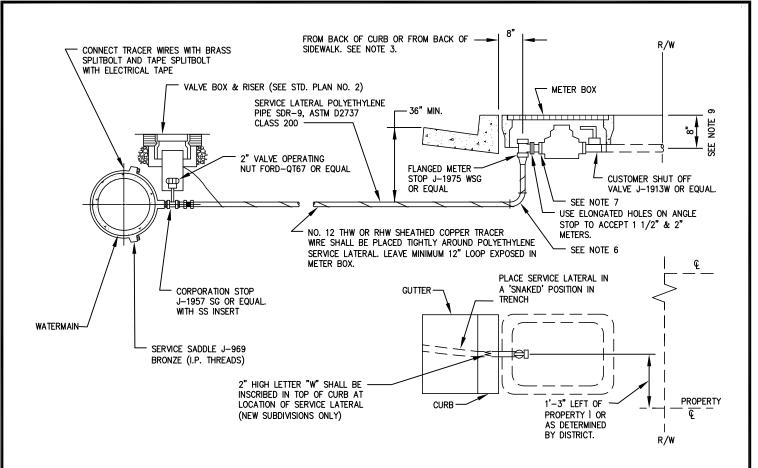
WATER SERVICE FOR 5/8", 3/4" & 1" METERS

APPROVED BY

Said Shebath

01/2015 DATE STANDARD PLAN

1A



NOTES:

- 1. METER WILL BE INSTALLED BY DISTRICT.
- 2. BACKFILL SHALL CONFORM TO STD. PLAN 10.
- METER LOCATION SHOWN IS AT BACK OF CURB; HOWEVER, METER SHALL BE INSTALLED BEHIND SIDEWALK OR CURB AS DETERMINED BY THE DISTRICT.
- 4. INSTALLATION OF SERVICE LATERAL IN DRIVEWAYS WILL NOT BE ALLOWED.
- 5. NO UNIONS ALLOWED IN SERVICE LATERALS UNLESS APPROVED.
- SERVICE TAP SHALL BE A MIN. OF 18" FROM ANY TAP, BELL, FITTING OR OTHER SERVICE.
- 7. SET MTR. BOXES ON MIN. 3" OF 34" DRAIN ROCK. (TYP)
- 8. ALL COMPRSSION FITTINGS SHAL HAVE SS INSERTS.
- 9. INSTALL 90° COMPRESSION ELBOW.
- 10. FOR 2" TURBINES, ADD 2" Ø X 6" BRASS NIPPLE AND FLANGES.
- 11. ADJUST AS NEEDED FOR COMPOUND METERS.

METER	LATERAL	CHRISTY	CHRISTY METER BOX COVER	
SIZE	SIZE	METER BOX	NON-TRAFFIC	TRAFFIC
1½"	2"	B30	FL30D	B30-61G
2"	2"	B36	FL36D	B36-61G

Y OF THE
SON CONTRACTOR
Standard S
30
FR DISTA
u Dia.

NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

WATER SERVICE FOR 1-1/2" & 2" METERS

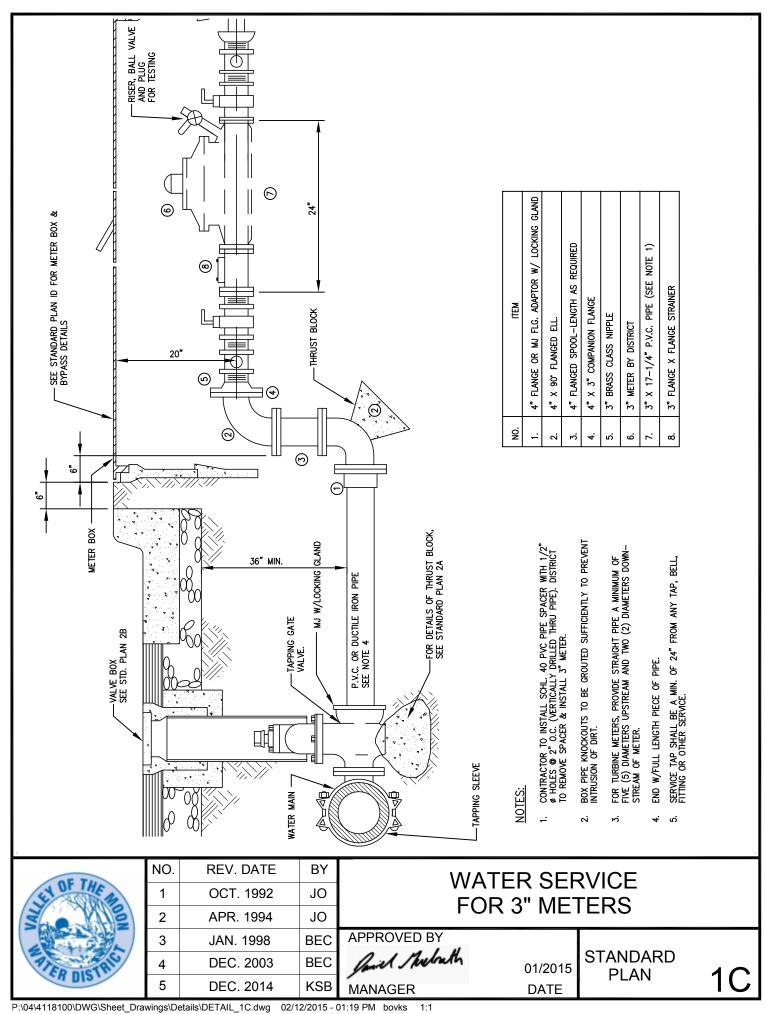
APPROVED BY

Smil Shebrith

MANAGER

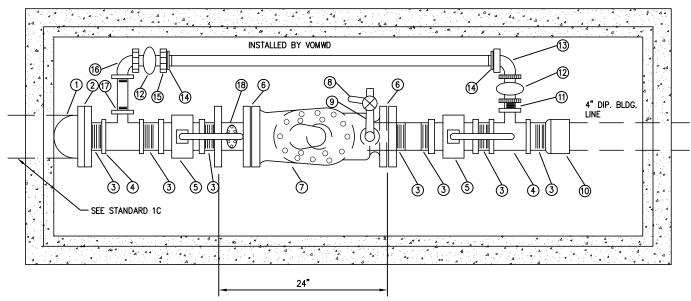
01/2015 DATE STANDARD PLAN

1E



APPROVED METER BOX & COVER

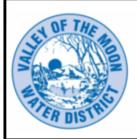
CHRISTY NO. R-17 P24, 2 - PIECE CHECKER PLATE PARKWAY HINGED, SPRING LOADED, SCREW DOWN, GALVANIZED LID WITH 8" RD READING LID.



NO.	ITEM
1	4" X 90' FLANGED ELL
2	4" X 3" COMPANION FLANGE
3	3" X CLOSE BRASS NIPPLE
4	3" X 1 1/2" BRASS TEE
5	3" BALL VALVE - WATTS NO. 6000
6	3" BRASS COMPANION FLANGE
7	WATER METER BY VOMWD
8	TEST B/V
9	6" NIPPLE
10	4" X 3" REDUCING ADAPTER
11	1 1/2" X 2 1/2" BRASS NIPPLE
12	1 1/2" BALL VALVE - FORD B 81- 666 W
13	1 1/2" X 90° BRASS STREET ELL
14	1 1/2" BRASS PLUG
15	FORD BVLC 2 - LOCK CAP
16	1 1/2" X 90° BRASS ELL
17	1 1/2" X 6" BRASS NIPPLE
18	3" FLANGE X FLANGE STRAINER

NOTES:

- REFER TO STANDARD IC FOR DIMENSIONS & PROFILE VIEW OF SERVICE LATERAL INSTALLATION.
- 2. THE VOMWD SHALL PROVIDE & INSTALL THE MASTER PADLOCK ON THE BY-PASS BALL VALVE.
- 3. SET VAULT ON MIN. 6" OF DRAIN ROCK.
- 4. INSTALL RISER AND BALL VALVE ON TEST PLUG PORT OF METER.



NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

BY-PASS FOR 3" METERS

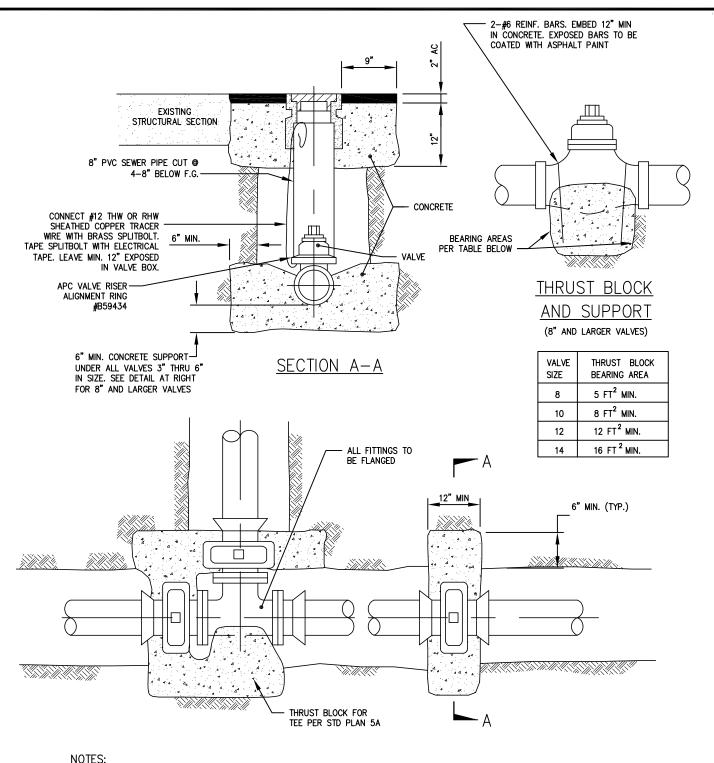
APPROVED BY

Smil Shebuth

MANAGER

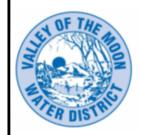
01/2015 DATE STANDARD PLAN

1C



NOTES:

- VALVES AND FITTINGS SHALL BE TEMPORARILY SUPPORTED PRIOR TO CONSTRUCTION OF CONCRETE SUPPORTS AND THRUST BLOCKS IN A MANNER SATISFACTORY TO THE DISTRICT.
- BACKFILL SHALL CONFORM TO STD. PLAN 10.
- CONCRETE SHALL BE CLASS "B" FOR ALL THRUST BLOCKS AND SUPPORTS AND SHALL BE POURED AGAINST UNDISTURBED EARTH. ALLOW WATER IN PIPE ONLY AFTER 24 HRS. CURING. PRESSURE TEST ONLY AFTER 3 DAYS MOISTURE CURING.
- 4. ALL VALVE MANIFOLDS TO BE FLANGE CONNECTION.



NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

WATER VALVE INSTALLATION

APPROVED BY Pariel Rubuth

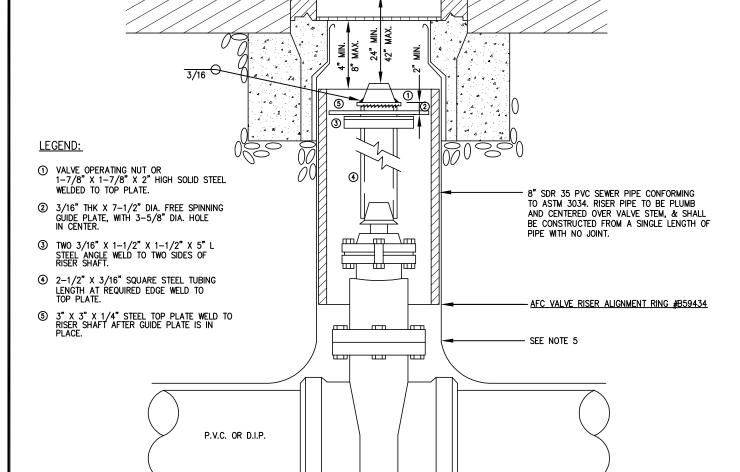
01/2015 DATE

STANDARD PLAN



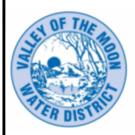
- 1. ALL WELDS TO RISER SHAFT SHALL BE FILLET WELDS ALL AROUND.
- 2. ALL RISER STEEL SHALL BE PER ASTM A36.
- IF VALVE IS INSTALLED SO THAT THE TOP OF THE OPERATING NUT IS LESS THAN 30" BELOW FINISHED GRADE, THE VALVE STEM RISER IS NOT REQUIRED.

FRAME & COVER MARKED "WATER"
CHRISTY G-5 OR EQUAL.
(FOR HEAVY TRAFFIC AREAS, USE CHRISTY G-4
OR BETTER).



VALVE NOTES:

- GATE VALVES SHALL CONFORM TO A.W.W.A. STANDARD C509 OF LATEST REVISION AND SHALL BE RESILIENT SEAT TYPE WITH TOTALLY ENCAPSULATED GATE, NON-RISING STEM, OPENING COUNTER-CLOCKWISE WITH O-RING STEM SEAL AND 2" OPERATING NUT.
- 2. VALVES 4" THROUGH 8" SHALL BE GATE VALVES. VALVES 10" AND LARGER SHALL BE CLASS 150B BUTTERFLY VALVES CONFORMING TO A.W.W.A. C504 WITH 2" OPERATING NUT UNLESS OTHERWISE APPROVED BY THE DISTRICT.
- 3. FOR 1 1/2" AND 2" VALVES (SEE STANDARD PLAN 1B)
- 4. VALVE BOLT RINGS, EXPOSED TIE-RODS & U-BOLTS SHALL BE COVERED WITH PRIMER AND THOROUGHLY WRAPPED WITH APPROVED ASPHALT BASE WRAP. VALVE AND FLANCE BOLTS SHALL BE BLUE BOLTS.
- 5. CONNECT #12 THW OR RHW SHEATHED COPPER TRACER WIRE WITH BRASS SPLIT BOLT. TAPE SPLIT BOLT WITH ELECTRICAL TAPE. LEAVE 12" EXPOSED IN VALVE BOX.



NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

VALVE INSTALLATION DETAILS

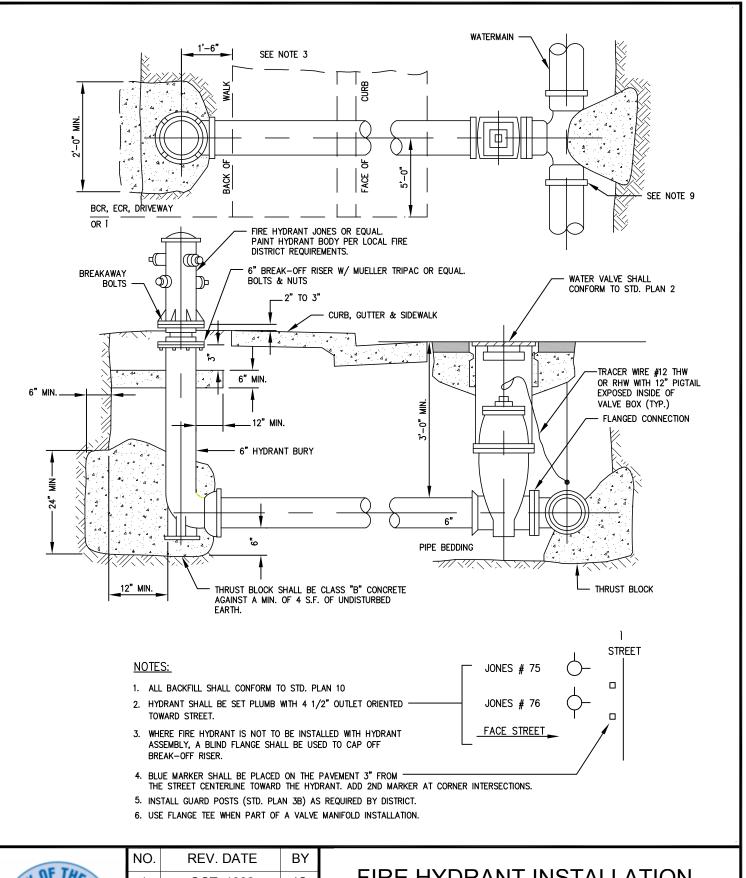
APPROVED BY

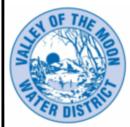
Said Shebath

MANAGER

01/2015 DATE STANDARD PLAN

2B





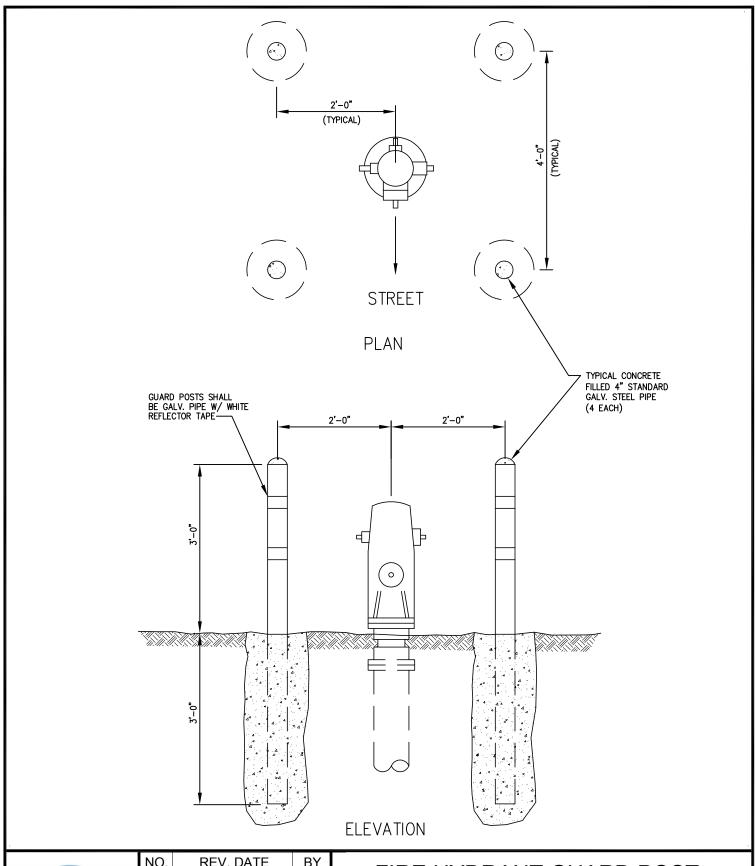
1	NO.	REV. DATE	BY
	1	OCT. 1992	JO
	2	APR. 1994	JO
	3	JAN. 1998	BEC
	4	DEC. 2003	BEC
	5	DEC. 2014	KSB

FIRE HYDRANT INSTALLATION

APPROVED BY Parel Shebuth

01/2015 DATE

STANDARD PLAN





NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

FIRE HYDRANT GUARD POST INSTALLATION

APPROVED BY

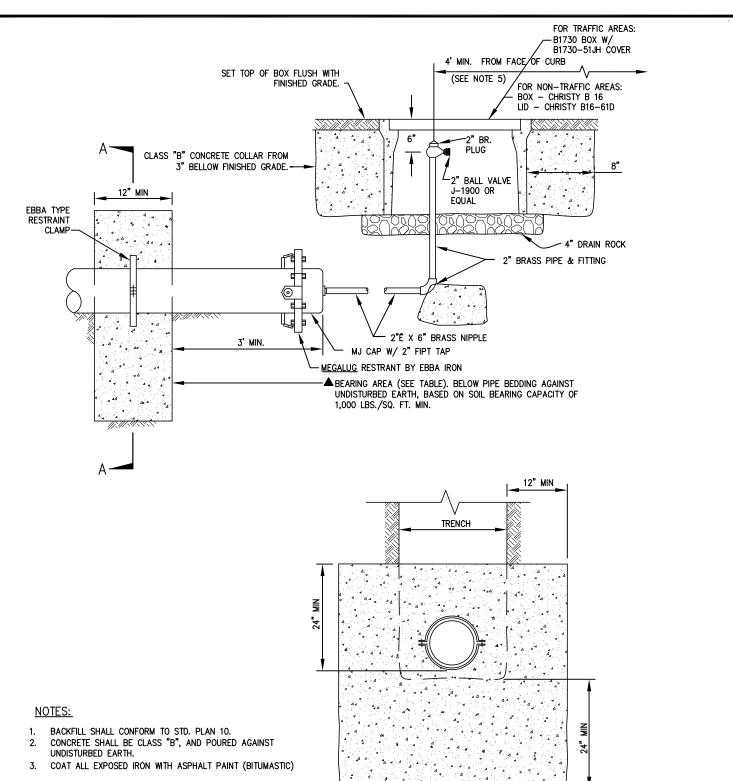
Spirel Shebath

MANAGER

01/2015 DATE

STANDARD PLAN

3B



- DISTRICT MAY REQUIRE INSTALLATION BEHIND SIDEWALK IN CASE OF CONFLICTS.
- 5. MAY ALLOW THRUST BLOCK PER DISTRICT DISCRETION.

NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

BLOW OFF AT END OF LINE

36" MIN.

SECTION A-A

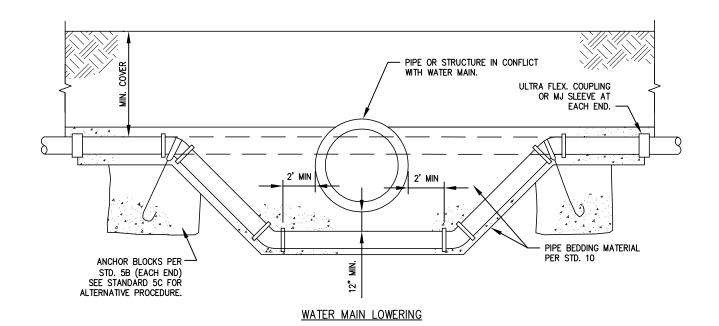
APPROVED BY

Small Swoodh

MANAGER

01/2015 DATE STANDARD PLAN

4A





WATER MAIN LOW POINT

NOTES:

- ALL PIPE & FITTINGS SHALL BE DUCTILE IRON EXCEPT AS MAY BE ALLOWED UPON DISTRICT APPROVAL.
- ONLY MECHANICAL JOINT FITTINGS WITH RETAINER GLANDS OR FLANGED FITTINGS MAY BE USED. ALL BENDS SHALL BE 45'; 22-1/2' FITTINGS MAY BE ALLOWED UPON DISTRICT APPROVAL. BACKFILL SHALL CONFORM TO STD. PLAN 10.

ET OF THE
N. C. L.
FIFR DISTRIC

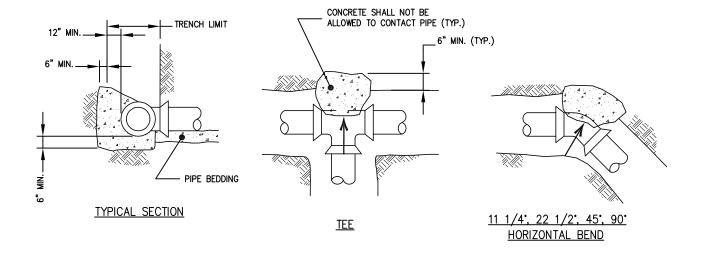
NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

WATER MAIN LOWERING DETAIL

APPROVED BY Parel Shebath

01/2015 DATE

STANDARD PLAN



MINIMUM THRUST BLOCK BEARING REQUIREMENTS						
NORMAL TO	THRUST ((TOTAL AR	EA IN SQ.	FT.)		
TYPE EITTING		PIPE		SIZES		
TYPE FITTING	6"	8"	10"	12"	14"	
90° BEND	4	7	12	16	22	
45° BEND	2	4	6	9	12	
22 1/2° BEND	1	2	3	5	6	
11 1/4° BEND	1	1	2	3	3	
DEAD END	3	5	8	12	16	
TEE	3	5	8	12	16	

NOTES:

- THRUST BLOCKS FOR CONDITIONS NOT COVERED ON THIS DRAWING SHALL BE SATISFACTORY TO THE DISTRICT.
 THE CONTRACTOR SHALL CONSTRUCT THRUST BLOCKS AS NECESSARY TO PROVIDE SUPPORT WHILE CONNECTING TO
 EXISTING FACILITIES. SAND BAG FORMED PRIOR TO POURING CONCRETE.
- 2. FOR PURPOSES OF DETERMINING THRUST BLOCK REQUIREMENTS, TEES SHALL INCLUDE TAPPING SLEEVES AND FLANGED NIPPLES OR OTHER WELDED CONNECTIONS OVER 3" IN DIAMETER TO MAIN LINE PIPE.
- 3. THRUST BLOCKS SHALL NOT INTERFERE WITH PIPE JOINTS, BOLTS, NUTS, ETC.
- 4. ARROWS (\longrightarrow) INDICATE DIRECTION OF THRUST.
- 5. CONCRETE SHALL BE CLASS "B" FOR ALL THRUST BLOCKS AND SUPPORTS AND SHALL BE POURED AGAINST UNDISTURBED EARTH. ALLOW WATER IN PIPE ONLY AFTER 24HRS. CURING. PRESSURE TEST ONLY AFTER 3 DAYS MOISTURE CURING.
- 6. ALL FITTINGS SHALL BE SUPPORTED IN CONCRETE AS SHOWN IN TYPICAL SECTION.
- THE ABOVE BEARING AREAS ARE BASED ON 150 PSI TEST PRESSURE AND 2,000 PSF SOIL BEARING CAPACITY.
 THE DESIGN ENGINEER SHALL FURNISH BLOCKING REQUIREMENTS WHERE DESIGN CRITERIA DIFFER FROM ABOVE.
- 8. FOR OTHER THRUST BLOCKING REQUIREMENTS REFER TO:

STD. PLAN 3A FOR FIRE HYDRANTS STD. PLAN 5B FOR VERTICAL BENDS

STD. PLAN 4A FOR BLOWOFFS

- 9. VALVES AND FITTINGS SHALL BE TEMPORARILY SUPPORTED PRIOR TO CONSTRUCTION OF CONCRETE SUPPORTS AND THRUST BLOCKS IN A MANNER SATISFACTORY TO THE DISTRICT.
- 10. DISTRICT MAY WAIVE THRUST BLOCK REQUIREMENTS FOR PIPE WITH RESTRAINED JOINTS. SEE STD. PLAN 5C.



NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

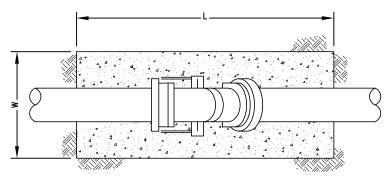
HORIZONTAL THRUST BLOCK REQUIREMENTS

APPROVED BY

Spirit Shebuth

01/2015 DATE STANDARD PLAN

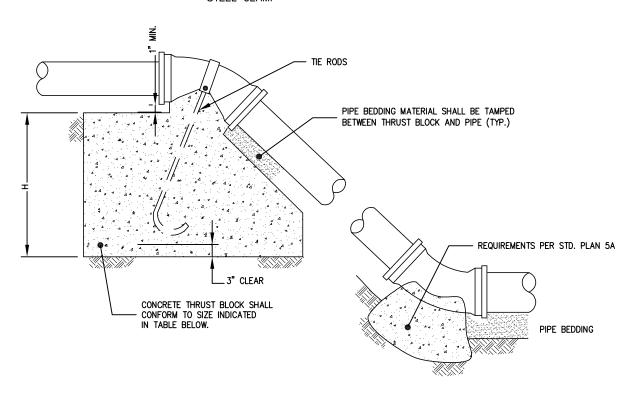
5A



STEEL CLAMP

NOTES:

- 1. CONCRETE SHALL BE CLASS "B" AND SHALL BE POURED AGAINST UNDISTURBED EARTH.
- 2. THIS TYPE OF VERTICAL OFFSET SHALL BE USED ONLY WHERE THERE IS A CONFLICT IN GRADE
- 3. USE MECHANICAL JOINT FITTINGS WITH LOCKING RETAINER GLANDS AT ALL FITTINGS.
- 4. DISTRICT MAY WAIVE THRUST BLOCK REQUIREMENTS FOR PIPE WITH RESTRAINT JOINTS. SEE STD. PLAN 5C.
- 5. USE BLUE BOLTS FOR ALL FLANGES.



	THRUST BLOCK DIMENSIONS										
PIPE	TIE	STEEL	1	1 1/2° BI	END	2	2 1/2° B	END		45° BEN	D
SIZE	RODS	CLAMP	L	W	Н	L	w	Н	L	W	Н
6"	5/8"	3" X 1/4"	2'-0"	2'-0"	1'-0"	2'-0"	2'-0"	2'-0"	3'-0"	2'-0"	2'-0"
8"	3/4"	3 1/4" X 1/4"	2'-0"	2'-0"	1'-0"	3'-0"	2'-0"	2'-0"	4'-6"	2'-0"	3'-0"
10"	1"	4" X 3/8"	3'-0"	2'-0"	2'-0"	4'-0"	2'-0"	2'-0"	6'-0"	2'-0"	3'-8"
12"	1 1/4"	4" X 1/2"	3'-0"	2'-0"	2'-0"	6'-0"	2'-0"	2'-0"	7'-0"	2'-6"	4'-0"



NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

VERTICAL THRUST BLOCK REQUIREMENTS

APPROVED BY

Smil Sheladh

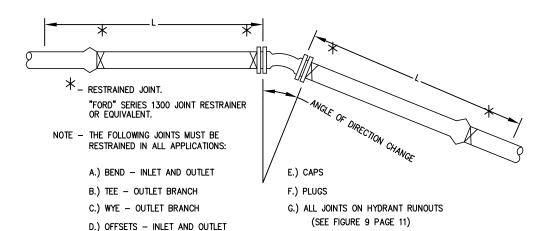
MANAGER

01/2015 DATE STANDARD PLAN

5B

THURST AT FITTINGS PER 150 PSI (LBS. FORCE)

NOMINAL PIPE SIZE	FITTING: 90 DEGREE ELBOW	FITTING: 45 Degree Elbow	FITTING: VALVES, TEES, DEAD ENDS
2	950	520	670
3	2620	1420	1850
4	3850	2080	2720
6	7930	4290	5610
8	13640	7380	9650
10	20530	11110	14520
12	29050	15720	20550



		L — MINIMUM LENGTH TO BE RESTRAINED ON EACH SIDE OF FITTING (FT.)																		
NOM. PIPE SIZE	CLAY					COHESIVE GRANULAR MAT					SAND					SILT, MUCK, PEAT				
				VALVES	ELBOWS (DEG.)				VALVES	ELBOWS						ELBOV	VS (DEG.)		VALVES	
	11 🛔	22 ½	45	90	TEE DEAD ENDS	11 🛔	22 ½	45	90	TEE DEAD ENDS	11 🛔	22 ½	45	90	TEE DEAD ENDS	11 🛔	22 ½	45	90	TEE DEAD ENDS
2	1	2	3	5	4	2	3	4	7	6	2	3	5	8	6	2	4	6	11	9
3	2	2	4	8	5	3	4	5	9	7	3	4	7	10	8	3	5	8	13	10
4	2	3	5	9	6	3	5	7	11	8	3	5	8	12	9	4	6	11	17	13
6	3	4	6	13	7	4	6	9	14	10	4	6	10	15	11	4	7	13	21	15
8	3	5	7	16	8	4	7	11	19	13	4	7	13	20	14	5	10	16	26	18
10	4	6	9	19	11	5	10	15	22	15	5	9	15	25	18	6	11	20	32	22
12	4	8	11	23	13	6	11	17	26	18	6	10	17	29	21	7	14	24	39	27

VALUES FOR "L" ARE BASED ON PVC PIPE AT 150 PSI OPERATING PRESSURE WITH A 100 PSI SURGE ALLOWANCE INCLUDED.

WHEN DEPTH OF SOIL COVER IS LESS THAN 2 FT., VALUES FOR "L" MUST BE INCREASED BY 30%.
WHEN DEPTH OF SOIL COVER IS LESS THAN 1/2 OF PIPE OUTSIDE DIAMETER, VALUES FOR "L" MUST BE INCREASED BY 100%.
WHEN PIPE IS PARTIALLY OR FULLY EXPOSED, ALL JOINTS MUST BE RESTRAINED.

EXAMPLE: A 12 INCH PVC PIPE BEING INSTALLED IN SANDY SOIL, ENTERS A 45 DEGREE HORIZONTAL BEND.

FROM THE CHART THE MINIMUM LENGTH (L) TO BE RESTAINED IS 17 FEET. THEREFORE ALL JOINTS THAT FALL WITHIN 17 FEET BEFORE AND AFTER THE ELBOW MUST BE RESTRAINED. IF NO JOINTS ARE ENCOUNTERED WITHIN THIS DISTANCE, THE NEXT CLOSEST JOINT DOES NOT NECESSARILY HAVE TO BE RESTRAINED.



NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

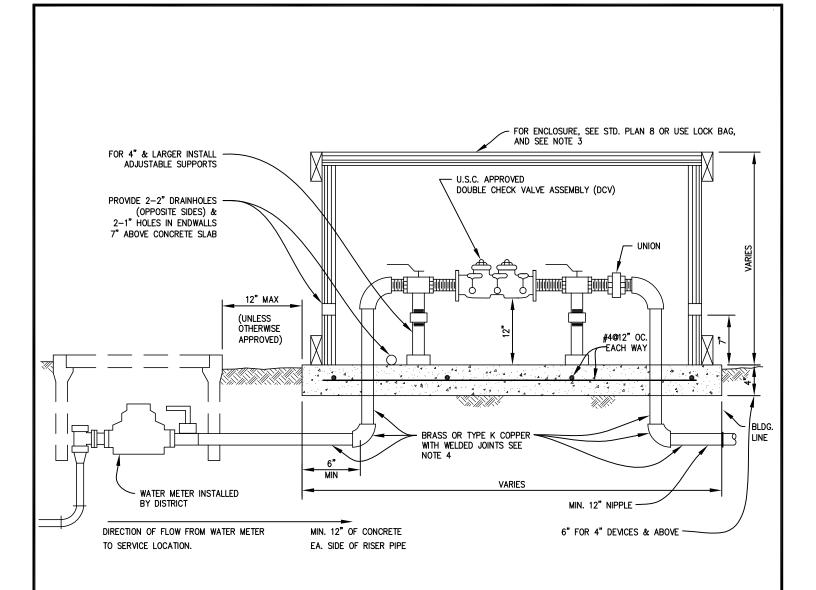
RESTRAINED JOINT REQUIREMENTS

APPROVED BY

Said Shebath

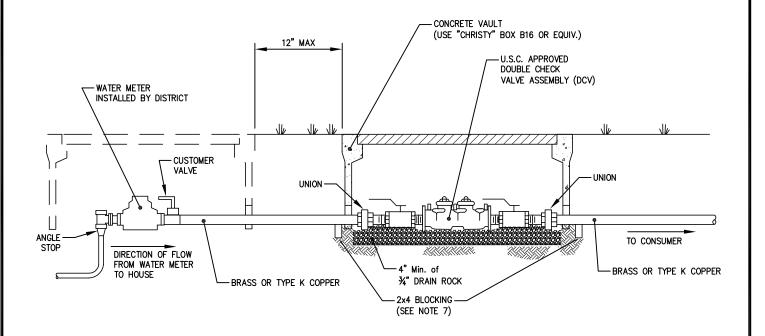
01/2015 DATE STANDARD PLAN

5C



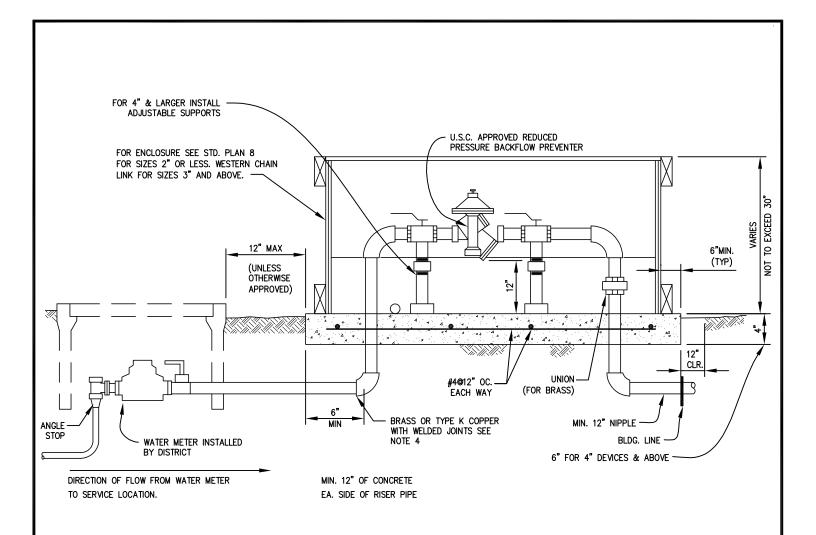
- IF INSTALLATION IS MADE BY THE PROPERTY OWNER, WATER WILL NOT BE TURNED ON UNLESS THE DISTRICT HAS RECEIVED A SATISFACTORY CERTIFIED TEST REPORT AND THE INSTALLATION MEETS ALL OTHER DISTRICT REQUIREMENTS.
- 2. IT IS THE CONSUMERS RESPONSIBILITY TO HAVE THE DOUBLE CHECK VALVE ASSEMBLY CHECKED ON A YEARLY BASIS AND TO KEEP IT IN GOOD OPERATING CONDITION.
- 3. 3" INSTALLATIONS AND ABOVE SHALL BE WESTERN CHAIN LINK ENCLOSURE.
- 4. 3" INSTALLATION AND ABOVE SHALL BE DUCTILE IRON PIPE.

ST OF THE	NO.	REV. DATE	BY		RI E CHEC	·Κ \/ΔΙ \/Ε	
	1	OCT. 1992	JO	DOUBLE CHECK VALVE ABOVE GRADE			
E VIE	2	APR. 1994	JO	P	NBOVE GR	ADE	
TO DISTRICT	3	JAN. 1998	BEC	APPROVED BY			
	4	DEC. 2003	BEC	Pariel Shebath	01/2015	STANDARD PLAN	Λ
יא מוטי	5	DEC. 2014	KSB	MANAGER	DATE	FLAIN	ЮΑ



- WATER WILL NOT BE TURNED ON UNLESS THE DISTRICT HAS RECEIVED A SATISFACTORY CERTIFIED TEST REPORT AND THE INSTALLATION MEETS ALL OTHER DISTRICT REQUIREMENTS.
- 2. IT IS THE CONSUMERS RESPONSIBILITY TO HAVE THE DOUBLE CHECK VALVE ASSEMBLY CHECKED ON A YEARLY BASIS AND TO KEEP IT IN GOOD OPERATING CONDITION.
- THE DEVICE MUST BE LISTED ON THE MOST CURRENT USE LIST OF APPROVED BACKFLOW PREVENTION DEVICES IN THE "USC FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH" DOCUMENT.
- KEEP THE DEVICE AS HIGH AS POSSIBLE IN THE BOX WITHOUT THE PIPING TOUCHING THE BOX (INSIDE THE MOUSE HOLE).
- 5. USE A "TOP SERVICE" DCV
- 6. ADEQUATE SPACE FOR TESTING AND MAINTENANCE MUST BE MAINTAINED WITHIN THE DCV BOX OR VAULT.
- 7. USE CUT PRESSURE TREATED OR REDWOOD 2X4, 8" LONG BLOCKING TO COVER THE BOTTOM OF THE MOUSE HOLE. PLACE OUTSIDE THE VAULT.

THE DISTRICT	NO.	REV. DATE DEC. 2014	BY KSB		LE CHEC	K VALVE RADE	
				APPROVED BY Smil Shebath MANAGER	01/2015 DATE	STANDARD PLAN	6B



- REDUCED PRESSURE BLACKFLOW PREVENTER SHALL MEET THE APPROVAL OF THE FOUNDATION FOR CROSS CONNECTION CONTROL AND RESEARCH.
- 2. FOR CERTIFIED TESTS REQUIRED, SEE DISTRICT REQUIREMENTS.
- WATER SERVICE WILL NOT BE TURNED ON UNLESS DISTRICT HAS RECEIVED
 A SATISFACTORY CERTIFIED TEST REPORT AND THE INSULLATION MEETS ALL
 OTHER DISTRICT REQUIREMENTS.
- IF UNINTERRUPTABLE SERVICE IS REQUIRED, A DUAL R.P.V. ASSEMBLY TO BE INSTALLED.
- 5. 3" INSTALLATIONS AND ABOVE SHALL BE DUCTILE IRON PIPE.

OF THE MOON
PIER DISTRIC

NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

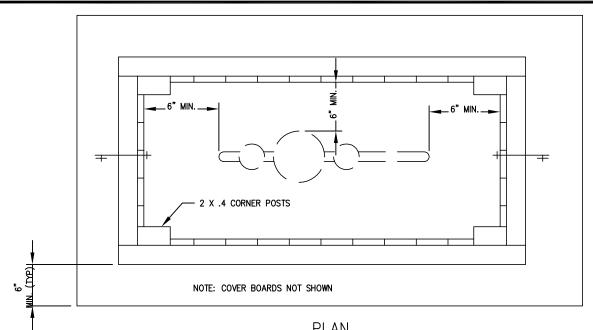
REDUCED PRESSURE BACKFLOW PREVENTER

APPROVED BY

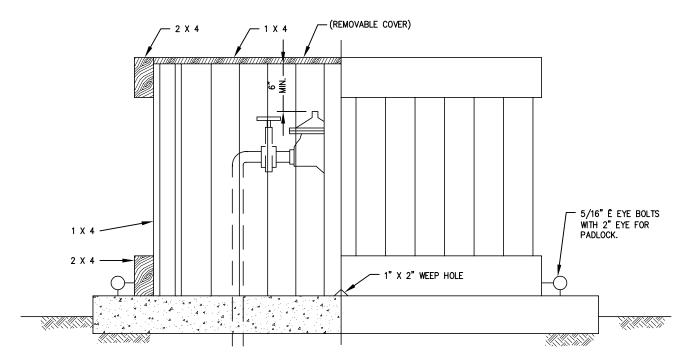
Smil Shebath

MANAGER

01/2015 DATE STANDARD PLAN



<u>PLAN</u>



SECTION / ELEVATION

NOTES:

- ALL 2 X WOOD SHALL BE S4S CONST. HT. REDWOOD. ALL 1 X WOOD SHALL BE ROUGH STD. REDWOOD.
- ALL NAILS SHALL BE GALVANIZED.
- STAIN WITH 2 COATS OLYMPIC SEMI-TRANS.
- COVER TO BE REMOVABLE.

LOCKABLE BAG ENCLOSURE ACCEPTABLE



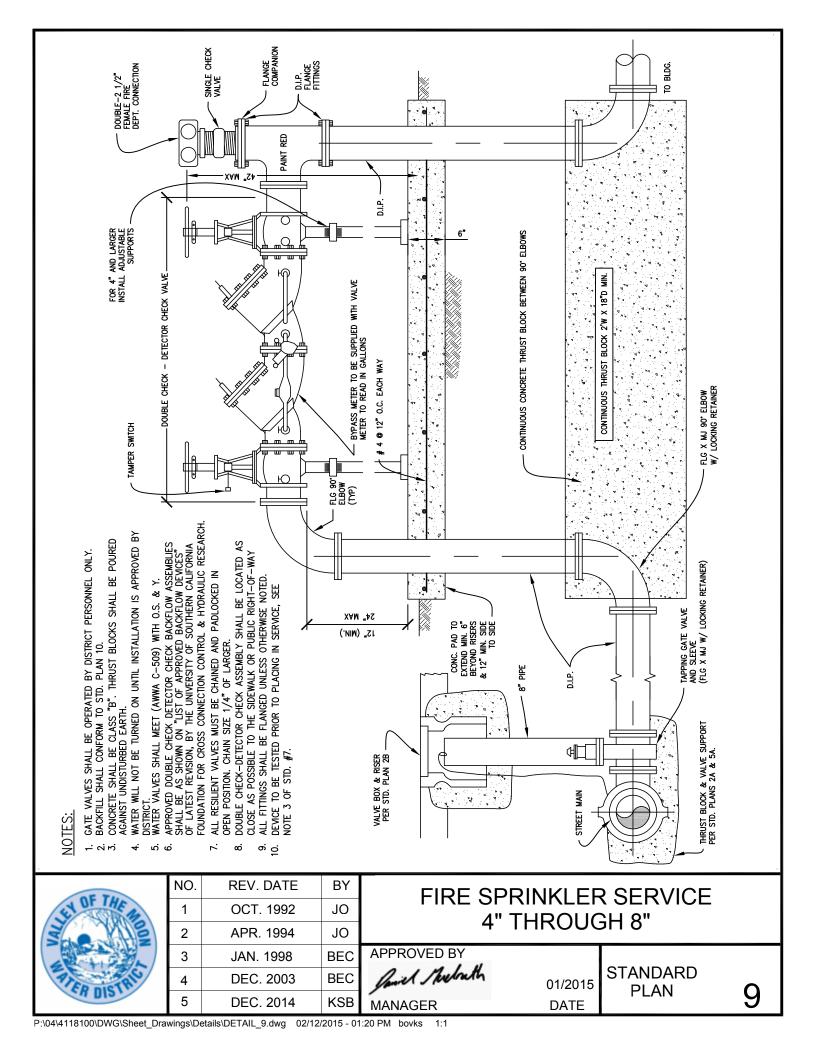
NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

REDWOOD ENCLOSURE

APPROVED BY Pariel Shebath

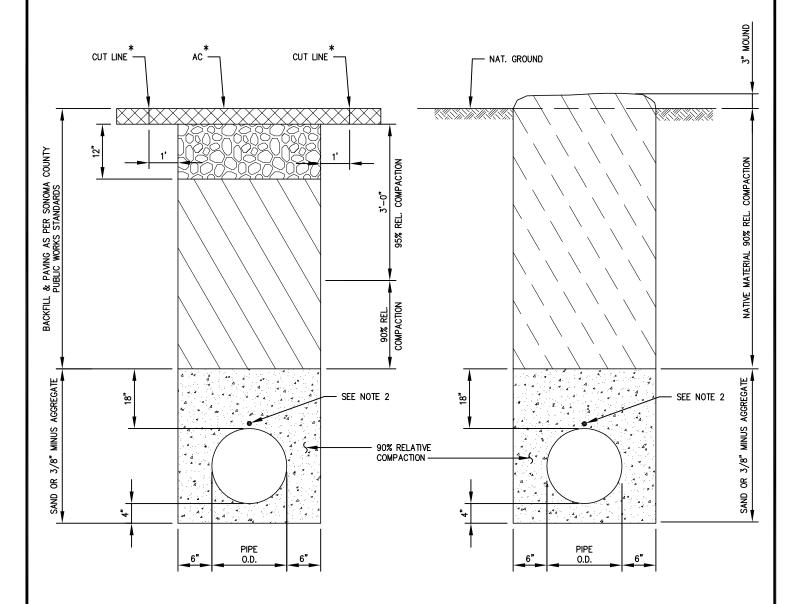
01/2015 DATE

STANDARD PLAN



ROADWAY AND SHOULDER AREAS

NON-ROADWAY AREAS



NOTES:

- NATIVE MATERIAL TO BE FREE FROM VEGETABLE MATTER AND REFUSE AS ROCKS, CLODS OR RUBBLE LARGER THAN 4" IN DIAMETER.
- 2. NO. 12 THW OR RHW SOLID COPPER WIRE. SEE WATER MAIN CONSTRUCTION NOTE 15.
- * PAVED AREAS

ET OF THE
N. C. L. C.
THE TRIC
CH DIST

NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

TRENCH BACKFILL AND SURFACING

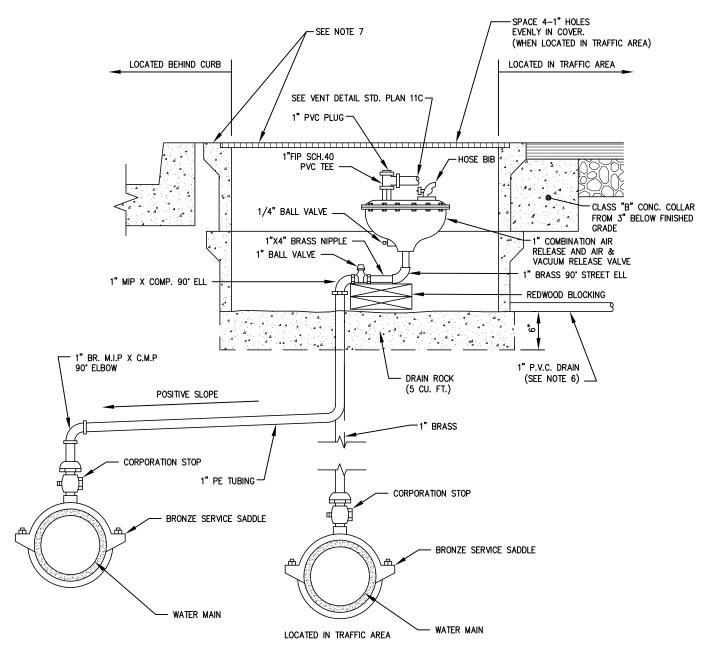
APPROVED BY

Smil Sheladh

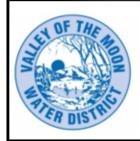
MANAGER

01/2015 DATE STANDARD PLAN

1(



- 1. USE 1" VALVES & PIPING FOR ALL MAINS, UNLESS OTHERWISE SPECIFIED.
- 2. MAX. LENGTH OF MAIN TO AIR VALVE: 40'.
- 3. GROUT FIELD JOINTS IN CONCRETE BOXES.
- 4. VALVE LOCATION IS SHOWN BEHIND CURB, BUT SHALL BE INSTALLED AS DETERMINED BY DISTRICT.
- 5. SECURE ARV TO BOX, SEE 11B FOR BRACKET DETAIL.
- 6. POSITIVE DRAINAGE OF BOX AND PRIOR DISTRICT APPROVAL REQUIRED.
- CHRISTY B-24 METER BOX (18"X19 1/2") AND B24-61D LID. IF BOX IS LOCATED IN TRAFFIC AREA USE CHRISTY B1730 BOX WITH B1730-51JH COVER AND B1730 EXT EXTENSION.



NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

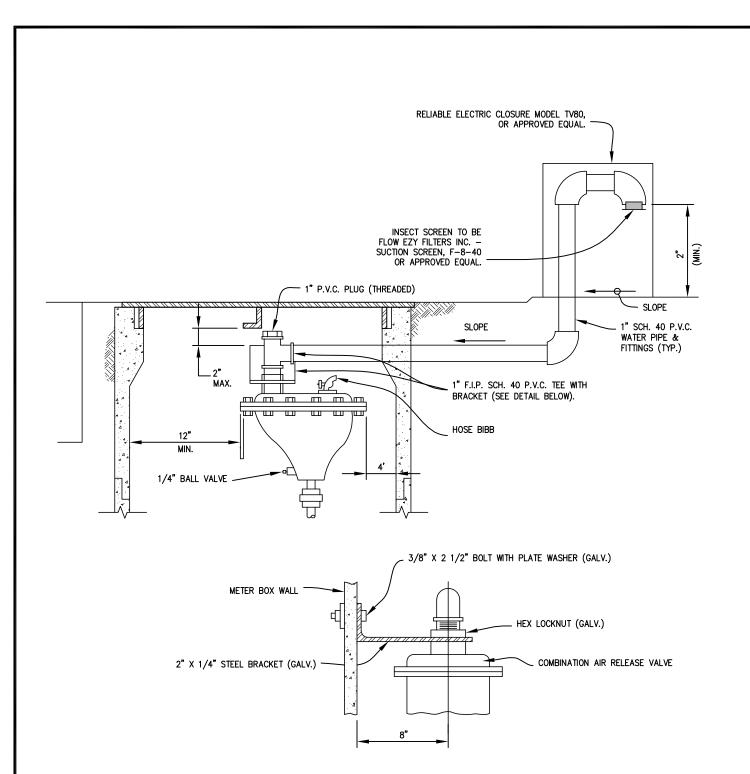
AIR VACUUM & AIR RELEASE VALVE

APPROVED BY

Smil Subuth

01/2015 DATE STANDARD PLAN

11A



BRACKET DETAIL



NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

VENT DETAIL

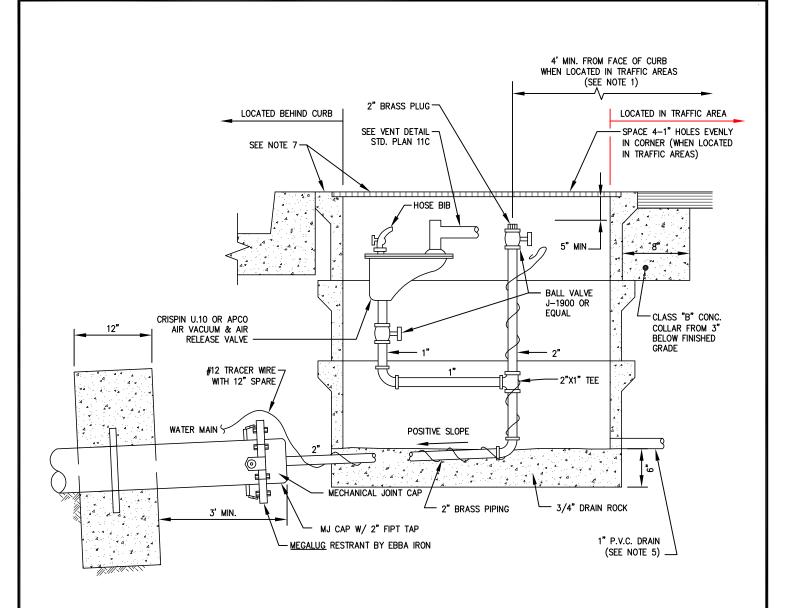
APPROVED BY

Smil Shebath

MANAGER

01/2015 DATE STANDARD PLAN

11B



- 1. USE 2" VALVES & PIPING UNLESS OTHERWISE SPECIFIED.
- 2. GROUT FIELD JOINTS IN CONCRETE BOXES.
- 3. VALVE LOCATION IS SHOWN BEHIND CURB, BUT VALVE SHALL BE INSTALLED AS DETERMINED BY DISTRICT.
- 4. FOR THRUST BLOCK DETAILS, SEE STANDARD PLAN 4A.
- 5. POSITIVE DRAINAGE OF BOX AND PRIOR DISTRICT APPROVAL REQUIRED WHEN INSTALLED IN TRAFFIC AREA.
- CHRISTY B-24 METER BOX (18"X19 1/2") AND B24-61D LID. IF BOX IS LOCATED IN TRAFFIC AREA USE CHRISTY B1730 BOX WITH B1730-51JH COVER AND B1730 EXT EXTENSION.



NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

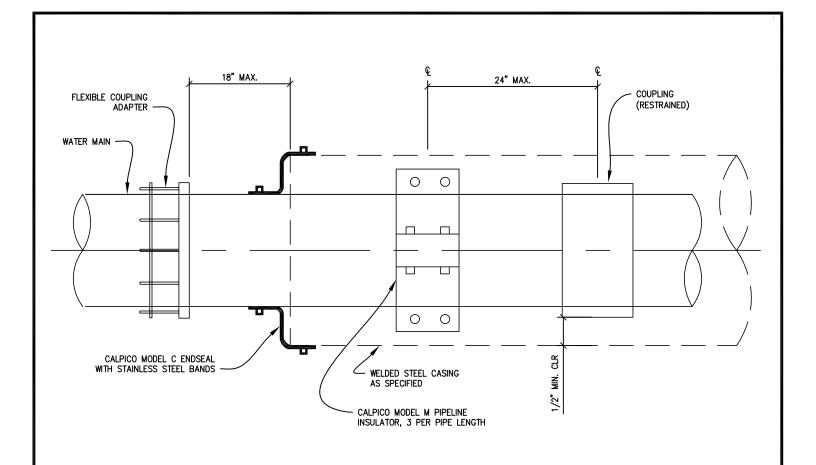
A.V. & A.R. VALVE WITH BLOW-OFF

APPROVED BY

Smil Shebath

MANAGER

01/2015 DATE STANDARD PLAN



MINIMUM SIZE CASING REQUIRED

PIPE SIZE	6"	8"	10"	12"
CASING SIZE (INSIDE DIA.)	16"	16"	20"	20"
CASING WALL THICKNESS	0.250"	0.250"	0.250"	0.250"

NOTES:

- INSTALL PIPELINE INSULATORS AND ENDSEALS PER MANUFACTURER'S SPECIFICATIONS. SKID HEIGHT SHALL BE SUCH THAT THE PIPE JOINTS CLEAR THE INSIDE OF THE
- CASING AS SHOWN.

 3. CADMIUM PLATED BOLTS SHALL BE USED TO SECURE THE PIPELINE INSULATOR SKIDS.



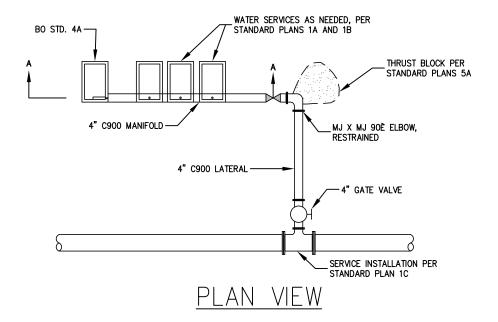
I	NO.	REV. DATE	BY
	1	OCT. 1992	JO
	2	APR. 1994	JO
	3	JAN. 1998	BEC
	4	DEC. 2003	BEC
	5	DEC. 2014	KSB

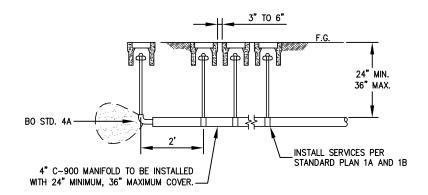
WATER MAIN ENCASEMENT

APPROVED BY Pariel Shebath

01/2015 DATE

STANDARD PLAN





SECTION "A-A"

NOTES:

 RESTRAINED JOINTS ARE REQUIRED FOR ALL NEW CONSTRUCTION FROM GATE VALVE TO END OF 4" MANIFOLD.



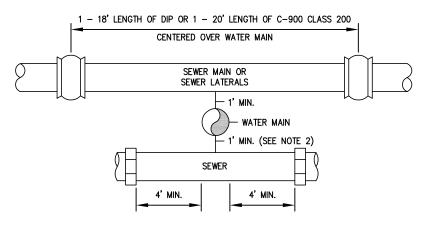
NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

MULTI-SERVICE MANIFOLD

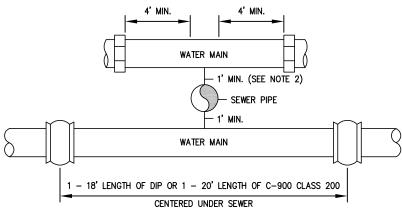
APPROVED BY

Spirit Shelvath

01/2015 DATE STANDARD PLAN



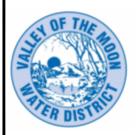
SEWER OVER OR UNDER WATER



WATER OVER OR UNDER SEWER

NOTES:

- ALL INSTALLATIONS SHALL CONFORM TO THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES "CRITERIA FOR THE SEPARATION OF WATER MAINS & SANITARY SEWERS".
- 2. PER STATE STANDARDS, A MIN. 1' VERTICAL CLEARANCE IS REQUIRED WHERE SEWER CROSSES A WATER MAIN. WHERE THERE IS LESS THAN 1' VERTICAL CLEARANCE, SPECIAL INSTALLATION IS REQUIRED AS APPROVED BY THE DISTRICT.
- 3. ANY PIPE/PIPE CROSSINGS WITH LESS THAN 6" VERTICAL CLEARANCE SHALL BE PADDED WITH STYROFOAM, FELT EXPANSION JOINT MATERIAL, OR OTHER EXPANSIVE MATERIALS BETWEEN PIPES AS APPROVED BY THE DISTRICT.



NO.	REV. DATE	BY
1	OCT. 1992	JO
2	APR. 1994	JO
3	JAN. 1998	BEC
4	DEC. 2003	BEC
5	DEC. 2014	KSB

WATER-SEWER MAIN CROSSING DETAIL

APPROVED BY

Smil Shelveth

MANAGER

01/2015 DATE STANDARD PLAN

Insurance Requirements

Indemnification Language – To the extent permitted by law, Contractor shall defend, indemnify and hold harmless Valley of the Moon Water District (District), its directors, officers, employees, and authorized volunteers from and against all claims, damages, losses and expenses, including reasonable attorneys' fees and costs to defend arising out of the performance of the work described herein, and caused in whole or in part by any negligent act or omission of the Contractor, any subcontractor, anyone directly or indirectly employed by any of them, or anyone whose acts any of them may be liable, except where caused by the active negligence, sole negligence, or willful misconduct of the District, its directors, officers, employees, and authorized volunteers.

Minimum Scope and Limits of Insurance: Contractor shall procure and maintain for the duration of the contract, *and for 5 years thereafter*, insurance against claims for injuries or death to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees, or subcontractors.

Coverage - Coverage shall be at least as broad as the following:

- 1. General Liability Commercial General Liability (CGL) Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01) including products and completed operations, property damage, bodily injury, personal and advertising injury with limit of at least five million dollars (\$5,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (coverage as broad as the ISO CG 25 03, or ISO CG 25 04 endorsement provided to the District) or the general aggregate limit shall be twice the required occurrence limit.
- 2. **Automobile Liability -** Insurance Services Office (ISO) Business Auto Coverage (Form CA 00 01), covering Symbol 1 (any auto) with limit of one million dollars (\$1,000,000) for bodily injury and property damage each accident.
- 3. Workers' Compensation Insurance -. The Contractor shall provide workers' compensation coverage as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease. Waiver of Subrogation (also known as Transfer of Rights of Recovery Against Others to Us): The Contractor hereby agrees to waive rights of subrogation to obtain endorsement necessary to affect this waiver of subrogation in favor of the District, its directors, officers, employees, and authorized volunteers, for losses paid under the terms of this coverage which arise from work performed by the Named Insured for the District; this provision applies regardless of whether or not the District has received a waiver of subrogation from the insurer.
- Builder's Risk (Course of Construction) if necessary- insurance utilizing an "All Risk" (Special Perils) coverage form with limits equal to the completed value of the project and no coinsurance penalty provision. See Responsibility of Work
- 5. **Contractor's Pollution Liability** (optional: if project involves environmental hazards) with limits no less than \$5,000,000 per occurrence or claim, and \$10,000,000 policy aggregate.

If the Contractor maintains broader coverage and or/higher limits than the minimums shown above, the District requires and shall be entitled to the broader coverage and/or higher limits maintained by the Contractor. Any available insurance proceeds in excess of the specified minimum of insurance and coverage shall be available to the District)

Other Required Provisions – The Commercial General Liability policy and Contractors Pollution (if necessary) are to contain, or be endorsed to contain, the following provisions:

- 1. Additional Insured Status: The District, its directors, officers, employees, and authorized volunteers are to be given insured status (at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 10 01 and CG 20 37 10 01, with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance.
- 2. **Primary Coverage:** For any claims related to this project, the Contractor's insurance coverage shall be primary at least as broad as ISO CG 20 01 04 13 with respect to the District, its directors, officers, employees, and authorized volunteers. Any insurance or self-insurance maintained by the District, its directors, officers, employees, and authorized volunteers shall be in excess of the Contractor's insurance and shall not contribute to it.

Notice of Cancellation: Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the District.

Acceptability of Insurers - Insurance is to be placed with insurers having a current A.M. Best rating of no less than A: VII or equivalent or as otherwise approved by the District.

The Contractor agrees and he/she will comply with such provisions before commencing work. All of the insurance shall be provided on policy forms and through companies satisfactory to the District. The District reserves the right to obtain complete, certified copies of all required insurance policies, including the policy declarations page with endorsement number. Failure to continually satisfy the Insurance requirements is a material breach of contract.

Responsibility for Work - Until the completion and final acceptance by the District of all the work under and implied by this agreement, the work shall be under the Contractor's responsible care and charge. The Contractor shall rebuild, repair, restore, and make good all injuries, damages, re-erections, and repairs occasioned or rendered necessary by causes of any nature whatsoever.

The Contractor shall provide and maintain **builder's risk** (course of construction) or an installation floater (for materials and equipment) covering all risks of direct physical loss, damage, or destruction to the work in the amount specified in the General Conditions, to insure against such losses until final acceptance of the work by the District. Such insurance shall insure at least against the perils of fire and extended coverage, theft, vandalism and malicious mischief, and collapse. The Policy shall be endorsed by the District, its directors, officers, employees, and authorized volunteers named as loss payee, as their interest may appear. The making of progress payments to the Contractor shall not be construed as creating an insurable interest by or for the District or be construed as relieving the Contractor or his/her subcontractors of responsibility for loss

from any direct physical loss, damage or destruction occurring prior to final acceptance of the work by the District.

Deductibles and Self-Insured Retentions - Insurance deductibles or self-insured retentions must be declared by the Contractor, and approved by the District. At the election of the District the Contractor shall either cause the insurer to reduce or eliminate such self-insured retentions as respects the District, its directors, officers, employees, and authorized volunteers or the Contractor shall provide a financial guarantee satisfactory to the District guaranteeing payment of losses and related investigations, claim administration, and defense expenses. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or the District.

Verification of Coverage - Evidences of Insurance Contractor shall furnish the District with copies of certificates and amendatory endorsements affecting coverage required by this contract. All certificates and endorsements are to be received and approved by the District before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Contractor's obligation to provide them. The District reserves the right to require complete, certified copies of all required insurance policies, including policy Declaration pages and Endorsement pages, required by these specifications, at any time. Failure to continually satisfy the Insurance requirements is a material breach of contract.

Continuation of Coverage - The Contractor shall, upon demand of the District deliver evidence of coverage showing continuation of coverage for at least (5) years after completion of the project. Contractor further waives all rights of subrogation under this agreement When any of the required coverages expire during the term of this agreement, the Contractor shall deliver the renewal certificate(s) including the general liability additional insured endorsement and evidence of waiver of rights of subrogation against the District (if builder's risk insurance is applicable) to the District at least ten (10) days prior to the expiration date.

Sub-Contractors - In the event that the Contractor employs other Contractors (sub-contractors) as part of the work covered by this agreement, it shall be the Contractor's responsibility to require and confirm that each sub-contractor meets the minimum insurance requirements specified above (via as broad as ISO CG 20 38 04 13). The Contractor shall, upon demand of the District, deliver to the District copies of such policy or policies of insurance and the receipts for payment of premiums thereon.

Other Considerations/Exceptions:

If scope includes Design/Build exposures include:

Professional Liability - with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate.

Professional Liability may be Claims Made Policies – include the following provisions.

- 1. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
- 2. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the contract of work.
- 3. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the Consultant

must purchase "extended reporting" coverage for a minimum of **five (5)** years after completion of contract work.

GENERAL CONDITIONS

Safety - In the performance of this contract the Contractor shall comply with all applicable federal, state, and local statutory and regulatory requirements including, but not limited to California Department of Industrial Relations (Cal/OSHA) regulations; and the U.S. Department of Transportation Omnibus Transportation Employee Testing Act, related to their scope of work and operations. In case of conflict in regulations, the most stringent shall apply. The Contractor shall provide all safeguards, safety devices, and protective equipment and take any other needed actions necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. Safety precautions shall include but shall not be limited to: adequate life protection and life-saving equipment; adequate illumination; instructions in accident prevention for all employees, such as the use of machinery guards, safe walkways, scaffolds, ladders, bridges, gangplanks, confined space procedures, trenching and shoring, fall protection, and other safety devices; equipment and wearing apparel as are necessary or lawfully required to prevent accidents, injuries, or illnesses (including but not limited to exposure to the Coccidioides fungus and Valley Fever); and adequate facilities for the proper inspection and maintenance of all safety measures

Contractor must obtain all applicable Division of Occupational Safety and Health (CAL-OSHA) permit(s) and others required by California Labor Code and California Government Code, prior to the initiation of any practices, work, method, operation, or process related to the work covered in the contract. Permits required by governmental authorities will be obtained at Contractor's expense.

It is a condition of this contract and shall be made a condition of each subcontract which the Contractor enters into pursuant to this contract, that the Contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under Cal/OSHA safety and health standards.

The Contractor shall be responsible for the safeguarding of all utilities. At least two working days before beginning work, the Contractor shall call the Underground Service Alert (USA) in order to determine the location of sub-structures. The Contractor shall immediately notify the District and the utility owner if he/she disturbs, disconnects, or damages any utility.

In accordance with Section 6705 of the California Labor Code, the Contractor shall submit to District specific plans to show details of provisions for worker protection from caving ground during excavations of trenches of five feet or more in-depth. The excavation/trench safety plan shall be submitted to and accepted by the District prior to starting excavation. The trench safety plan shall have details showing the design of shoring, bracing, sloping or other provisions to be made for worker protection from the hazard of caving ground. If such a plan varies from the shoring system standards established by the Construction Safety Orders of the California Department of Industrial Relations (Cal/OSHA), the plan shall be prepared by a California-registered civil or structural engineer. As part of the plan, a note shall be included stating that the registered civil or structural engineer certifies that the plan complies with the Cal/OSHA Construction Safety Orders, or that the registered civil or structural engineer certifies that the plan is not less effective than the shoring, bracing, sloping or other provisions of the Safety Orders. In no event shall

the Contractor use a shoring, sloping, or protective system less effective than that required by said Construction Safety Orders. Submission of this plan in no way relieves the Contractor of the requirement to maintain safety in all areas. If excavations or trench work requiring a Cal/OSHA permit are to be undertaken, the Contractor shall submit his/her permit with the excavation/trench work safety plan to District before work begins.

_

Item: 8.D

MEMORANDUM

TO: Valley of the Moon Water District Board of Directors

FROM: Matt Fullner, General Manager

SUBJECT: Consider Updating the Delegation of Authority Form on File with CalPERS

Background

The District has a CERBT account with CalPERS that was set up many years ago. The original Delegation of Authority Form authorized the General Manager and the "Office Supervisor" as authorized signers. The Office Supervisor title later became the Administration and Finance Manager, which was later split into the Administration Manager and Finance Manager positions. Updating the form on file with CalPERS is needed to ensure the proper titles are authorized to sign. CalPERS also now recommends that three positions be specified rather than two, due to the requirement to obtain two signatures on transfers of more than \$10,000, which works well with the District's new structure. Please find the District's current and draft updated forms attached.

Recommendation

Authorize and direct the President of the Board and Board Secretary to sign the Draft Updated CERBT Delegation of Authority Form.

Attachments

- Current Delegation of Authority Form on file with CalPERS
- Draft Updated CERBT Delegation of Authority Form



DELEGATION OF AUTHORITY TO REQUEST DISBURSEMENTS

RESOLUTION OF THE

Board of Directors (GOVERNING BODY) OF THE Valley of the Moon Water District (NAME OF EMPLOYER) Board of Directors The delegates to the incumbents in (GOVERNING BODY) General Manager the positions of ___ (TITLE) Office Supervisor authority to request on behalf (TITLE) of the Employer disbursements from the Other Post Employment Prefunding Plan and to certify as to the purpose for which the disbursed funds will be used. Title Russell Townsend, Board President

Witness

Alfonso Bandur, Board Vice-President

Date April 6, 2010

OPEB Delegation of Authority (2/07)



State of California California Public Employees' Retirement System California Employers' Retiree Benefit Trust (CERBT) 400 Q Street, Sacramento, CA 95811 www.calpers.ca.gov

Delegation of Authority to Request Disbursements California Employers' Retiree Benefit Trust (CERBT)

RESOLUTION OF THE (GOVERNING BODY) OF THE (NAME OF EMPLOYER) The delegates to the incumbents (GOVERNING BODY) in the positions of _____ and (TITLE) authority to request on behalf of the Employer disbursements from the Other Post Employment Prefunding Plan and to certify as to the purpose for which the disbursed funds will be used. Title _____ Witness _____