Exhibit D

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March 3, 2024 Project No. G-893.2

Mr. Biloo Rataul
Attn. Cayley Lambur, Principal
720 Hampton Drive
Venice, CA 90291

LIB240076

Project: **Proposed Fire Protection Water Well**
County File No. PLN230291
APN 419-271-001
Clear Ridge Road
Big Sur Region
Monterey, California

Reference: Geologic Hazards Assessment, Proposed Above Ground Water Storage Tanks and Associated Improvements, 46977 Clear Ridge Road, Big Sur Region, Monterey County, California, proj. no. G-893.1, revised December 19, 2023.

Well Siting Map for 46820 Clear Ridge Road, APN 419-271-001, Located in Big Sur, Monterey County, California, sheet 1 of 1, dated , prepared by Rasmussen land Surveying, Inc., no date.

Subject: **SUPPLEMENTAL GEOLOGIC EVALUATION OF FAULT HAZARDS FOR FIRE PROTECTION WATER WELL**

Dear Mr. Rataul,

We understand through our conversations with your project coordinator, Michael Linder that the county planning department is requiring an evaluation of faulting for the proposed Fire Protection Water Supply Well to be located on APN 419-271-001. This is due to the fact that because the site of the proposed water well is located within a county fault regulatory hazard zone. The purpose of the county fault regulatory zone is to trigger the need for a geologic evaluation of fault hazards for the project. We have attached to this letter a copy of the surveyed map of Rasmussen which shows the location of proposed and existing feartures, as well as the location of the proposed fire protection water tank. The second attached figure shows the mapped location of the Pfeiffer Fault with respect to the proposed Fire Protection Water Supply Well. We recently completed a Geologic Hazards Assessment for the proposed Above Ground Water Storage Tanks and Associated Improvements at the subject property, refererred to above. That geologic report did not specifically adrress the water well however it provided background on the local geologic setting and in particular, the Pfeiffer Fault in the immediate area of the site. The following comes from our previous geologic hazards assessment for the site:

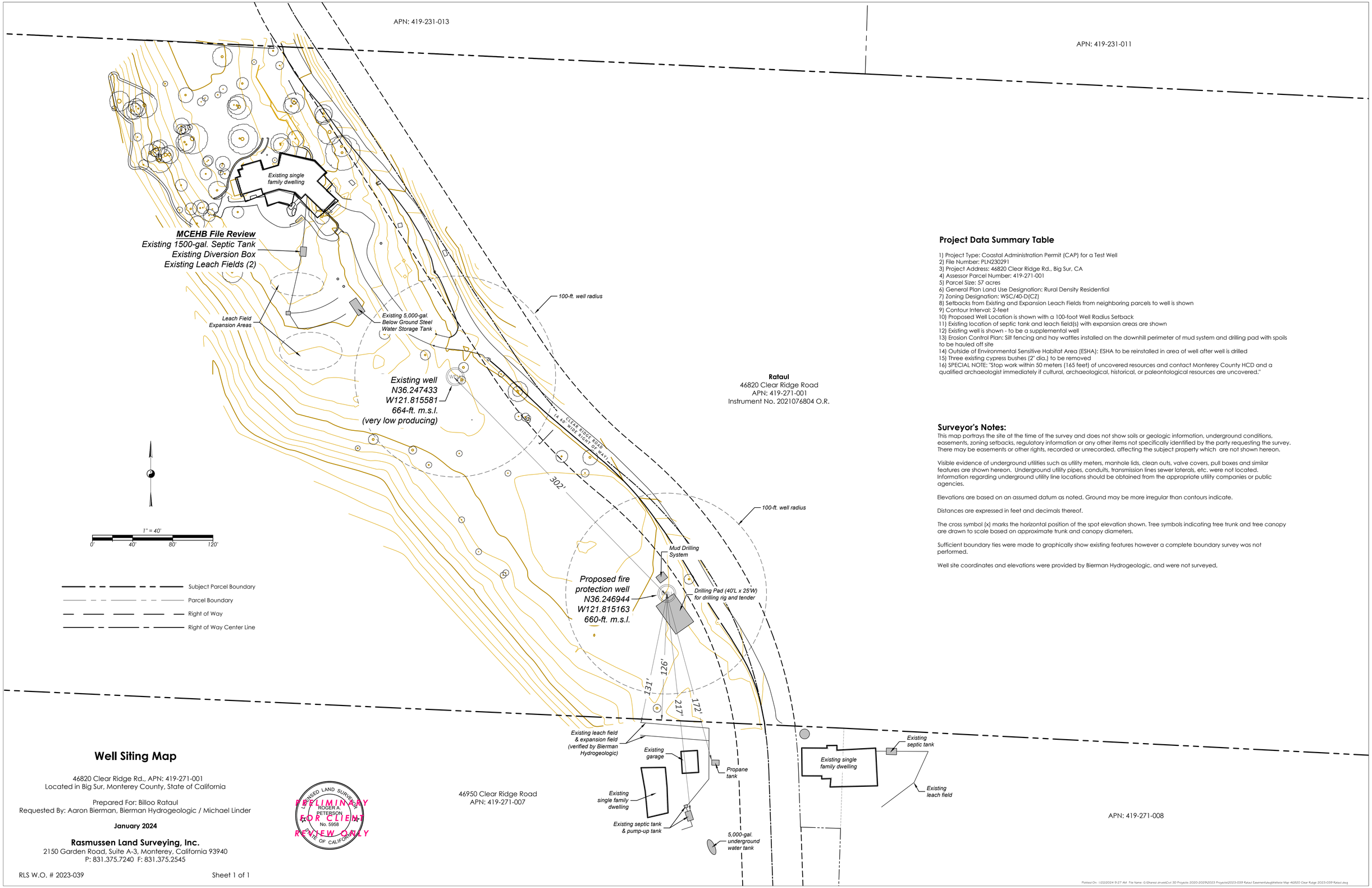
> A surface trace the Pfeiffer Fault, a basal detatchment fault (or a Décollement) is mapped just to the north of the site as an irregular-shaped outcrop pattern on the geologic map of Wills et al. (2001) (See Regional Geologic Map, and Local Fault Map, Appendix A). Because of the mapping of this fault adjacent to the site, the site is included within a county regulatory zone for fault hazards. It should be pointed out that this fault is constrained completely within the Cretaceous geologic formation and, because it is essentially flat-lying, it juxtaposes KJfc (underlying the fault) from the Ks geologic unit (overlyng the fault as a *Klippe*). The fault essentially forms a nearly horizontal surface with the overlying Ks unit representing a Klippe. The fault does not extend continuously through the formation and therefore no longer is subject to the tetonic forces that originally led to its formation. The geologic unit ("Ks") above the fault is essentially an erosional remnant overlying an inactive fault. This fault is not considered a Quaternary fault and does not pose a threat to the proposed site improvements.

For the reasons stated above, the local segment of the Pfeiffer Fault mapped onsite does not pose a hazard to the proposed Fire Protection Water Well, as it does not have a potential for future surface rupture movement in an earhquake.

If you have any questions or require clarification, please feel free to contact me at your earliest convenience. Thank you. Sincerely,

Craig S. Harwood
Porfessional Geologist #6831,
Certified Engineering Geologist #2275

239 Park Drive
Ben Lomond, CA 95005
tel 831 325-9327
email kirnig@cruzio.com



Rataul
46820 Clear Ridge Road
APN: 419-271-001
Instrument No. 2021076804 O.R.

46950 Clear Ridge Road
APN: 419-271-007

Project Data Summary Table

1) Project Type: Coastal Administration Permit (CAP) for a Test Well
2) File Number: PLN230291
3) Project Address: 46820 Clear Ridge Rd., Big Sur, CA
4) Assessor Parcel Number: 419-271-001
5) Parcel Size: 57 acres
6) General Plan Land Use Designation: Rural Density Residential
7) Zoning Designation: WSC/40-D(CZ)
8) Setbacks from Existing and Expansion Leach Fields from neighboring parcels to well is shown
9) Contour Interval: 2-feet
10) Proposed Well Location is shown with a 100-foot Well Radius Setback
11) Existing location of septic tank and leach field(s) with expansion areas are shown
12) Existing well is shown - to be a supplemental well
13) Erosion Control Plan: Silt fencing and hay wattles installed on the downhill perimeter of mud system and drilling pad with spoils to be hauled off site
14) Outside of Environmental Sensitive Habitat Area (ESHA): ESHA to be reinstalled in area of well after well is drilled
15) Three existing cypress bushes (2" dia.) to be removed
16) SPECIAL NOTE: "Stop work within 50 meters (165 feet) of uncovered resources and contact Monterey County HCD and a qualified archaeologist immediately if cultural, archaeological, historical, or paleontological resources are uncovered."

Surveyor's Notes:

This map portrays the site at the time of the survey and does not show soils or geologic information, underground conditions, easements, zoning setbacks, regulatory information or any other items not specifically identified by the party requesting the survey. There may be easements or other rights, recorded or unrecorded, affecting the subject property which are not shown hereon.

Visible evidence of underground utilities such as utility meters, manhole lids, clean outs, valve covers, pull boxes and similar features are shown hereon. Underground utility pipes, conduits, transmission lines sewer laterals, etc. were not located. Information regarding underground utility line locations should be obtained from the appropriate utility companies or public agencies.

Elevations are based on an assumed datum as noted. Ground may be more irregular than contours indicate.

Distances are expressed in feet and decimals thereof.

The cross symbol (x) marks the horizontal position of the spot elevation shown. Tree symbols indicating tree trunk and tree canopy are drawn to scale based on approximate trunk and canopy diameters.

Sufficient boundary ties were made to graphically show existing features however a complete boundary survey was not performed.

Well site coordinates and elevations were provided by Bierman Hydrogeologic, and were not surveyed.

Well Siting Map

46820 Clear Ridge Rd., APN: 419-271-001
Located in Big Sur, Monterey County, State of California

Prepared For: Billoo Rataul
Requested By: Aaron Bierman, Bierman Hydrogeologic / Michael Linder

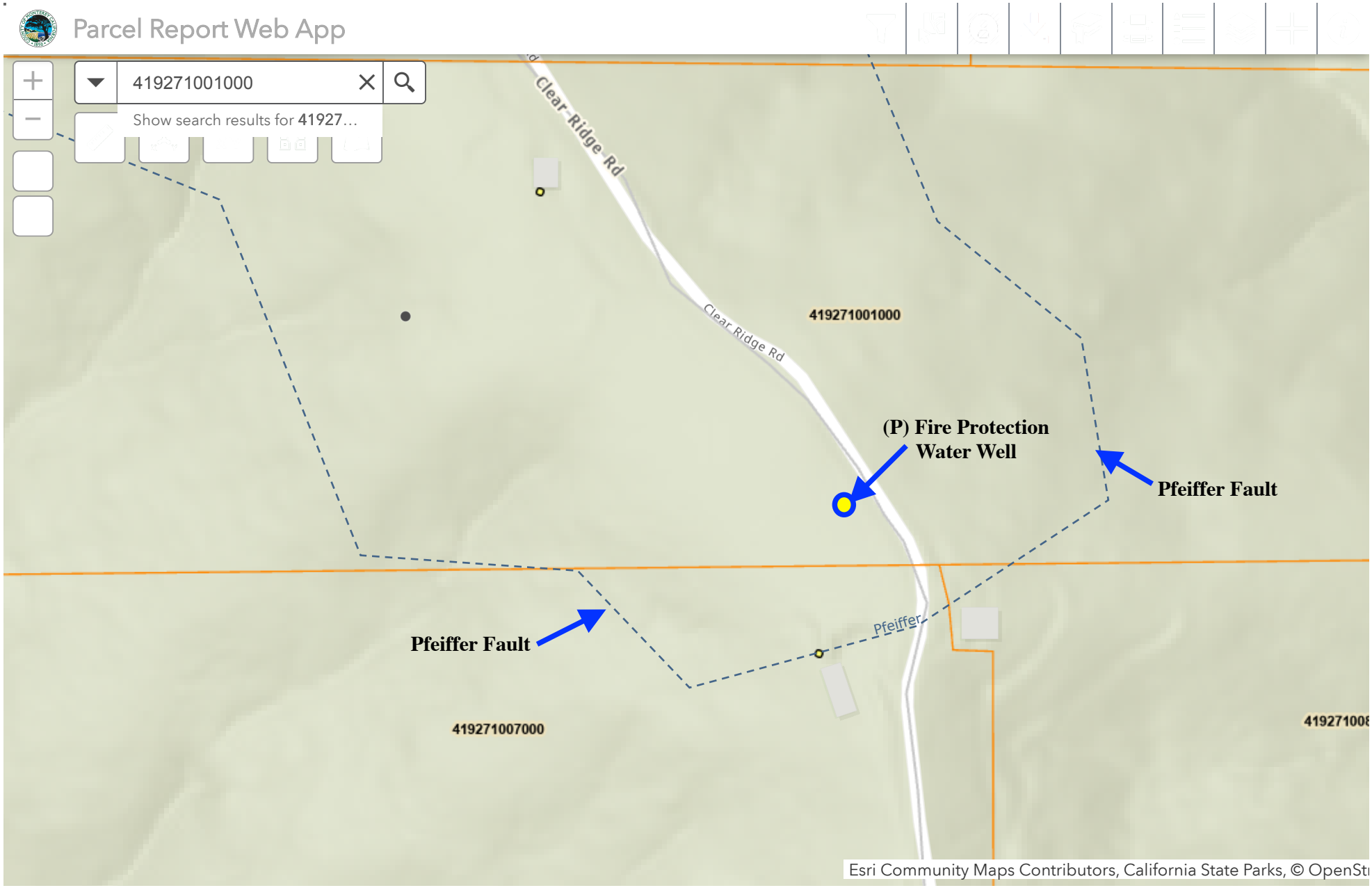
January 2024

Rasmussen Land Surveying, Inc.
2150 Garden Road, Suite A-3, Monterey, California 93940
P: 831.375.7240 F: 831.375.2545

RLS W.O. # 2023-039

Sheet 1 of 1

LICENSED LAND SURVEYOR
ROGER A PETERSON
No. 5958
STATE OF CALIFORNIA
PRELIMINARY FOR CLIENT REVIEW ONLY



Proposed Fire Protection Water Well
APN 419-271-001
Clear Ridge Road, Big Sur, CA

0 100 200ft

-121.81707 36.24805 Degrees

Scale: 1 in = 188 ft, RF = 1 : 2,257

LIB240076

BIERMAN
Hydrogeologic
A Professional Company
Hydrogeologic Consulting & Water Resource Management
Office:(831-688 9886) Cell:(831-334 2237) E-Mail:abierman@comcast.net
3153 Redwood Drive, Aptos, CA. 95003

January 25, 2024

Monterey County Housing and Community Development
Attn; Hya Honorato – Assistant Planner
HonoratoH@co.monterey.ca.us
1441 Schilling Place, 2nd Floor
Salinas, California 93901
(831) 755-5173

Subject: ***Geologic Hazard Assessment Letter for 46820 Clear Ridge Road, Big Sur, CA***
PLN:230291

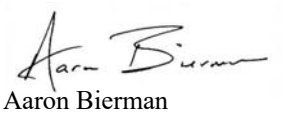
Bierman Hydrogeologic (BHgl) has been contracted by Mr. Rataul Biloo to review the Geologic Hazard Assessment Report prepared by Craig Harwood PG# 6831 dated December 2023. Mr. Harwood prepared the above referenced Report for an above ground water storage tanks and associated improvements for 46977 Clear Ridge Road, which is opposite (east) of this project located at 46820 Clear Ridge Road, Big Sur.

BHgl scope of work was to review the Geologic Hazard Assessment Report to provide a Letter for 1) meeting the requirements of the Application Checklist, 2) and to evaluate the fault (which is north of the subject property) and whether this fault would impact the well.

The fault described in Geologic Hazard Assessment Report (Harwood 2023) is identified as a basal detachment fault (De'collement) which is an irregularly shaped outcrop pattern as noted on the MC GIS database (MC GIS map attached with reference to Sims, 1990). As described in the reference Report, this fault is horizontal and separates the lower KJfc Formation (Franciscan Formation) with that of the upper irregularly shaped Ks Formation (Unnamed Marine Sedimentary Rocks). Because this fault is horizontal, it does not intersect the formation the proposed well will penetrate (KJfc) and therefore does not pose any impacts to the well, it's source capacity or, the well's groundwater quality.

In summary, further geologic mapping by Bierman was completed on January 11, 2024, to evaluate the fault described in the referenced Geologic Hazards Assessment Report and as mapped on the MC GIS Database. It should be noted that other USGS Maps (Geologic Map of the Point Sur, Big Sur and Pfeiffer Point Quadrangles by Dibblee, 2007) have this irregularly shaped formation as a "geologic contact" and unconformity and not necessarily a fault as shown in the MC GIS database. In any event, as described above, due to the horizontal orientation of this contact (or fault), it will not impact the proposed wells quantity or quality.

Respectfully submitted,



Aaron Bierman
CA Licensed Professional Geologist #7490
CA Licensed Hydrogeologist #819

Faults

MoCo GISAdmin
County of Monterey

Summary

The purposes of this data set are to show the location of faults and to provide a comparison of relative fault rupture hazard for regional planning studies in Monterey County.

View Full Details

Download

Details

Dataset
Feature Layer

July 11, 2023
Info Updated

May 19, 2014
Data Updated

May 14, 2014
Published Date

Records: 2,077

I want to use this