

Septic System Evaluation Form for Rebuilds and Temporary Housing (Sonoma Complex Fire)

(Unless otherwise noted, responses are required for all fields below)

Site Information:

<u>2625 Bennett Ridge Rd</u>	<u>Santa Rosa</u>
Site Address	City/Town/Location
<u>055-191-004</u>	<u>05/04/2018</u>
Assessor's Parcel Number(s)	Date of Evaluation

Qualified Professional:

<u>Jeffrey Loe</u>	<u>jsloepe@lescure-engineers.com</u>	<u>707 575-3427 x112</u>
Name	Phone Email	Email Phone
<u>Lescure Engineers Inc.</u>	<u>5468 Skylane Bl</u>	<u>Santa Rosa CA 95403</u>
Company (if applicable)	Address	City/State/Zip Code

Required Supporting Documentation:

A site plan and all documents used to evaluate the septic system must be provided. The site plan may be a copy of the originally approved septic plans or a plan prepared by the Qualified Professional. The site plan shall be drawn to scale (minimum 1"=20') and be of sufficient clarity to identify the following minimum requirements: all major septic system components (type, location, size, reserve replacement area), site address, Assessor's Parcel Number, north arrow, scale, property lines, building locations, buildings served by the septic system, roads, all required setbacks, and any significant site features.

General Septic System Information:

Is the existing septic system a cesspool? No ☒ Yes ☐ (If "Yes" then a new septic system is required)

Was the existing septic system permitted? Yes ☒ No ☐ Pre-code ☐ Unknown ☐

Permit #: S-20584 OPR# (if applicable): N / A

Design capacity (identify # of permitted bedrooms gallons per day, or Unknown: 2)

Is there a site plan provided with evaluation? Yes ☒ No ☐ One 24"x36" plan sheet & Original Sketch

Are there historical records or supporting documentation provided with evaluation? Yes ☒ No ☐

Comments/Recommendations: Copy of septic permit S-20584, As-Built Plan & Reserve Replacement Area are attached.



Dispersal System Information:

Type of existing dispersal system: Standard ☒ Mound ☐ At-Grade ☐ Filled Land ☐
Shallow Sloping ☐ Subsurface Drip ☐ Shallow Trench Pressure Distribution ☐
Bottomless Sand Filter ☐ Seepage Pit ☐ Unknown ☐ Other: _____

Determination of dispersal system type and location: Existing County records used? Yes ☒ No ☐
Uncovered/Observed portions of disposal system? Yes ☒ No ☐ Assumption(s) made? Yes ☐ No ☒
If dispersal system type or location was assumed, explain why and how: _____

Other: _____

Determination of dispersal system function: Uncovered and evaluated distribution boxes? Yes ☒ No ☐
Hydraulic load test performed? Yes ☒ No ☐ Result: Exposed 2 D-boxes and potholed upper line.
Confirmed hydraulic conductivity throughout. Measured and hydraulic load tested both leach lines.
Other: Excellent acceptance (50-60 Gal) each of two 100 foot leach lines.

Condition of dispersal system: Functioning properly and acceptable for reuse? Yes ☒ No ☐
Replacement required? Yes ☐ No ☒ Other: _____

Comments/Recommendations: Excellent condition for 2 BR rebuild. Original D-boxes (concrete)
in excellent condition, replaced pipe between B-boxes (Sch40 ABS/PVC).

Septic Tank Information:

Does the existing septic system have a septic tank? Yes ☒ No ☐ Size: 1200 Gallons

Septic tank material¹: Concrete ☒ Fiberglass ☐ Plastic ☐ Metal ☐ Wood ☐ Other: _____

Number of compartments in septic tank: 1 ☐ 2 ☒ Other: _____

Lids and risers present? Yes ☐ No ☒ Effluent filter present? Yes ☐ No ☒

Inlet baffle/Tee present? Yes ☒ No ☐ Outlet baffle/Tee present? Yes ☒ No ☐

Septic tank condition: Acceptable for reuse? Yes ☒ No ☐ (If "No" then tank replacement required with permit)

Comments/Recommendations: Concrete tank acceptable for re-use. Replaced risers & lids.
Minor fine root intrusion. Existing effluent filter. Inlet capped - ready for connection.

¹ Tanks not made of concrete, fiberglass, or plastic materials must be replaced with permit to comply with county standards.

Sump Tank Information:

Does the existing septic system have a separate sump tank? Yes ☐ No ☒ Size: _____ Gallons

Sump tank material²: Concrete ☐ Fiberglass ☐ Plastic ☐ Metal ☐ Wood ☐ Other: _____

Lids and risers present? Yes ☐ No ☐ Pump Operational? Yes ☐ No ☐ (Pump replacement required)

Sump tank condition: Acceptable for reuse? Yes ☐ No ☐ (If "No" then tank replacement required with permit)

Does the existing septic system have a control panel? Yes ☐ No ☐ Type/Model: _____

Condition of control panel: Acceptable for reuse? Yes ☐ No ☐ (If "No" then replacement required with permit)

Comments/Recommendations: _____

² Tanks not made of concrete, fiberglass, or plastic materials must be replaced with permit to comply with county standards.

Pretreatment Unit Information:

Does the existing septic system have a pretreatment unit? Yes ☐ No ☐ Type/Model: _____

Condition of pretreatment unit: Acceptable for reuse? Yes ☐ No ☐ (If "No" then replacement required with permit)

Comments/Recommendations: _____

Appurtenant Components Information:

Identify components that have been repaired or replaced in-kind without permit as allowed under the permitting guidelines for septic system repair or replacement work for properties impacted by the Sonoma Complex Fire.

☐ Lids, Risers, or covers ☐ Effluent filter ☐ Inlet baffle/Tee ☐ Outlet baffle/Tee

☐ Cleanout(s) ☐ Monitoring well(s) ☐ Distribution box(es)

☐ Valve boxes (balancing, purge, diversion) ☐ Valves (balancing, purge, diversion, air release)

☐ Minor non-structural cracks in septic tank ☐ Minor non-structural cracks in sump tank

☐ Transmission lines from dwelling(s) to septic tank

☒ Transmission lines from septic tank to distribution box(es)/lateral(s) or diversion valve(s) D-Box to Perf Pipe

☐ Sump tank components (pumps, piping, floats set per original design specifications)

☐ Hydrojetting lines to remove blockages in order to correct or improve system function

Comments/Recommendations: Septic tank and leach field in excellent condition and functional for 2 BR,
based on observations and hydraulic load test.

Reserve Replacement Area Information³:

Was a reserve replacement area identified on the originally permitted site plan? Yes ☒ No ☐

Has the reserve replacement area been compromised in any way? Yes ☒ No ☒ Partially

Is a reserve replacement area identified on the current site plan? Yes ☐ No ☒

Comments/Recommendations: This 2.1 acre parcel has ample room for reserve/replacement leach field.
Likely reserve area indicated on site plan.

³ Required to be identified when 1) a structure is relocated, 2) a structure will increase in footprint size, or 3) additional structures are proposed.

Septic System Use Conditions:

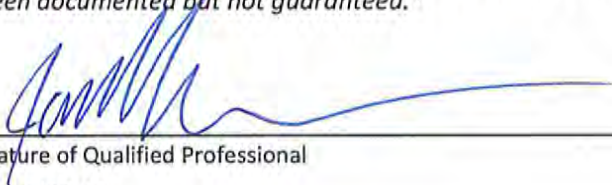
The following conditions apply or must be satisfied prior to use of overall septic system:

- ☐ Replace entire septic system (septic permit required from Permit Sonoma)
- ☐ Replace dispersal system (septic permit required from Permit Sonoma)
- ☐ Repair dispersal system (septic permit required from Permit Sonoma)
- ☐ Replace septic tank (septic permit required from Permit Sonoma)
- ☐ Replace sump tank (septic permit required from Permit Sonoma)
- ☐ Replace pretreatment unit (septic permit required from Permit Sonoma)
- ☐ Replace or repair electrical components (electrical permit required from Permit Sonoma)
- ☒ Replace or repair minor appurtenant septic system components (no permit required from Permit Sonoma)
- ☒ Reserve replacement area adequate
- ☒ Septic system is acceptable for rebuilding in original building footprint **only**
- ☒ The existing septic system is suitable to be used for temporary housing purposes (temporary housing permit required from Permit Sonoma to place and use temporary housing units)
- ☐ Other: _____

Comments/Recommendations: Contractor used for evaluation & repairs C&C Contracting
System in excellent condition for 2 BR rebuild.

Qualified Professional Statement:

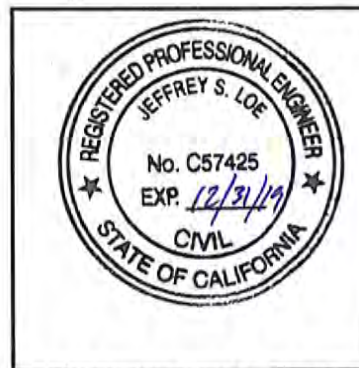
"I have evaluated the existing septic system and find it to be acceptable for the proposed use with the conditions listed above. I certify that I have observed the replacement of any septic system components that did not require a septic permit and/or have included documentation of replacement of applicable appurtenant components. The septic system may not meet current septic system requirements but was repaired to documented or assumed original design standards. Due to limited ability to test or make observations of systems on some sites, no guaranty of future system functionality is implied. Assumptions have been documented but not guaranteed."



Signature of Qualified Professional

08/06/2018

Date



Professional Seal (if applicable)

C57425

License/Registration Number

12/31/2019

License/Registration Expiration Date

DO NOT WRITE BELOW THIS LINE - TO BE COMPLETED BY PERMIT SONOMA STAFF

Existing septic system may be used as proposed based on evaluation by Qualified Professional: Yes ☐ No ☐

Requirements to be met prior to use of existing septic system:

- ☐ None ☐ Repair or replace components identified by Qualified Professional (no permit required)
☐ Obtain a permit to repair _____
☐ Obtain a permit to replace _____
☐ Other: _____

Existing septic system may be used for temporary housing? Yes ☐ No ☐

Existing septic system may be used for permanent housing? Yes ☐ No ☐

- ☐ Approved for _____ bedrooms or _____ gallons per day
☐ Approved for rebuilding in original building footprint only

Evaluation reviewed by: _____

Date: _____ Activity #: _____



Application is hereby made to the Sonoma County Health Officer for a permit to construct or repair a sewage disposal system as described below in compliance with the code of Sonoma County or for clearance for other construction.

APPLICANT: Fill in between heavy lines only
AND REVERSE SIDE OF SHEET 1

OWNER NAME Mr. & Mrs. Jack Munson
ADDRESS 200 Bonita Ave.
CITY Pacifica, Cal. TEL NO. _____
GENERAL CONTRACTOR Meriton Const. Inc.
SEPTIC SYSTEM CONTRACTOR F.T. Anderson & Son
ADDRESS Sonoma, Cal. TEL NO. 996-3177
JOB ADDRESS 2625 Bennett Ridge Rd.
ASSESSOR'S PARCEL NO. 55-191-04
SUBDIVISION Bennett Ridge LOT 10 Unit 2
CITY Santa Rosa

PREVIOUS APPLICATION ☐ YES ☒ NO SYSTEM NEW ☒ ADD/ALTER ☒
Installation will serve:
Residence ☒ Apt. House ☐ Commercial ☐ Mobile Home ☐ Motel ☐
Other ☐ Building Const. New ☒ ADD/ALTER ☐
No. of Units 1 No. of Bedrooms 2 GARBAGE DISPOSAL UNIT YES ☒ NO ☐
WATER SUPPLY PRIVATE ☐ PUBLIC ☒ LOT SIZE 2.14 acres

APPLICATION PROCEDURES

1. Call Sonoma County Sanitation for description of preliminary plans. (Preliminary plans are available in the office between 8 A.M. and 5 P.M. Telephone 527-2711)
2. A preliminary plot plan is required.
3. Soil percolation tests may be required.
4. Submit completed Application, including detailed plot plan, to the County Public Health Service Office.
5. Obtain Validated Permit from the Building Inspection Department upon notification of approval and payment of fee.

I agree to obtain sanitation or design engineer's report and plot plan prior to starting.

I agree to construct this disposal system in accordance with all the provisions of the code of Sonoma County and Sec. 7031.5, Business and Professions Code and all other applicable laws.

It is understood that the issuance of a permit in no way indicates that a guarantee of performance and in definite operation of the system is made by the Sonoma County Public Health Service and the homeowner is required to take all necessary precautions to keep the system in good operation.

APPLICANT MUST COMPLETE REVERSE SIDE OF SHEET 1

Signature Lee North Date 9/4/73
☐ Owner ☒ Owner's Agent

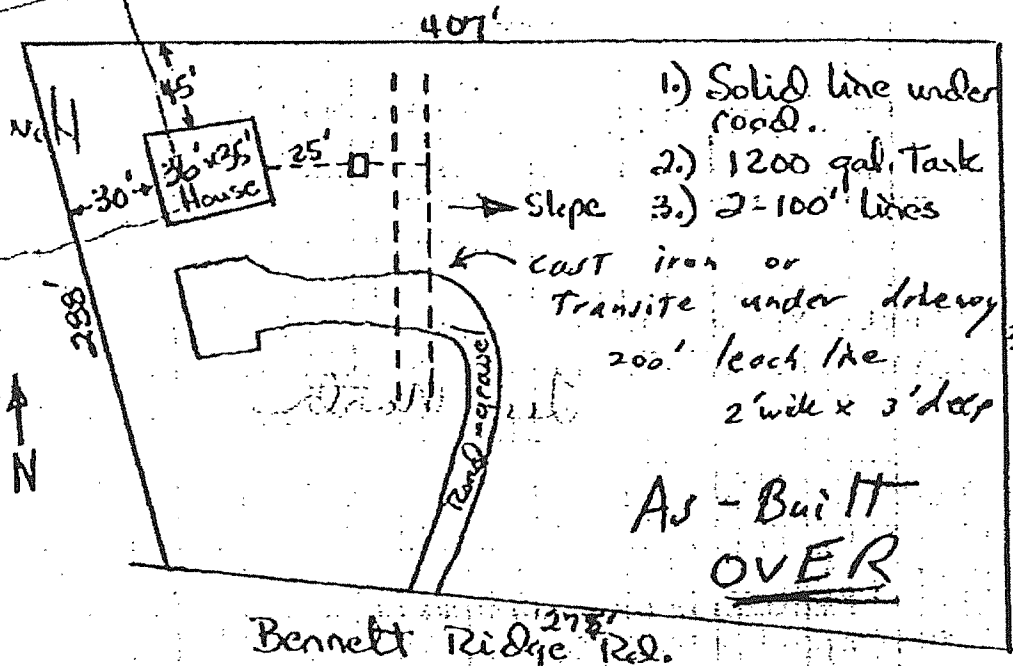
APPLICATION FOR PRIVATE SEWAGE DISPOSAL PERMIT

APPLICATION FOR PUBLIC HEALTH CLEARANCE

BUILDING PERMIT NO.	RECEIPT NO.	NO FEE	FEW	REPAIR	DATE ISSUED	PERMIT NO.
<u>B-4004</u>			SEE \$10	SEE \$5	<u>10-18-73</u>	<u>20584</u>

SEWERAGE SYSTEM LAYOUT PLAN

APPLICANT TO DRAW SYSTEM LOCATION, SHOWING DISTANCE TO BUILDINGS, PROPERTY LINES, WELLS, STREAMS, CUT BANKS, ETC. ALSO INDICATE SLOPE AND TERRAIN FACTORS.



LAYOUT PLAN PREPARED BY Lee North DATE 9/9/73
IMPORTANT: 1. Any deviation in construction from above sketch must be approved in writing.
2. Structural plans for the septic tank must be submitted to and approved by the Sonoma County Building Inspection Department prior to installation.
3. Final approval of any engineer-designed installation requires a signed statement by the design engineer certifying that the installation complies with the plans submitted and approved.
4. This permit expires in the same manner and at the same time as a building permit as provided for in Sec. 7022 of the Uniform Building Code.

LAYOUT PLAN APPROVED BY Richard L. Holme DATE 9/24/73
CONSTRUCTION APPROVED BY Richard L. Holme DATE 3/28/74

COUNTY OF SONOMA
PUBLIC HEALTH SERVICE

3313 CHANATE RD. • SANTA ROSA, CALIF. 95404 • PHONE 527-2711

PAID
OCT 18-73
OCT 18-73
546M ***10.00
546 #20584

WHEN VALIDATED THIS IS YOUR PERMIT

ORIGINAL

SEWAGE DISPOSAL PERMIT APPLICATION FOR PRIVATE ☒

WOMEN'S COMPENSATION CERTIFICATE

14-00000

A currently effective certificate of Yachima's Commercial Insurance coverage is on file with this office.

BUILDING INSPECTOR

When and By: (1) By: _____
I certify that for the performance of the work for which this
grant will be issued I shall not employ any person whose
qualifications are subject to the work under the provisions
of the law of 1917.

I certify that Workmen's Compensation Insurance is in force with, however,

Police Dept. 1005, 1005 is currently in force

pink & x 11.5" Lee Marta

OVER
A2-B2-17

CONTRACTORS LICENSE LAW CERTIFICATE

TO COUNTY OF SONOMA, JUDGE of the Superior Court

The undersigned applicant for building permit certifies as follows:
(Complete either A or B)

10-707 (Rev. 5-22-64) is licensed under the provisions of the Copyright Act of 1909. Library number: 248447

Q. Now, is it in all cases and in all the same way, that the
 A. Yes, it is brought from the power of the Government.

100-443887-100

[Handwritten signature]

44-38861-10000

502.8

cc -

Bennett Ridge Rd.

~~SECRET - All info~~

ORIGINAL

WHEN ADVISED THIS IS YOUR PERMIT

11/25/52 10:00 AM - 11/25/52 11:00 AM - 11/25/52 12:00 PM

Application is hereby made to the Sonoma County Health Officer for a permit to construct or repair a sewage disposal system as described below in compliance with the code of Sonoma County or for clearance for other construction.

APPLICANT'S NAME (BETWEEN HEAVY LINES ONLY AND REVERSE SIDE OF SHEET)

OWNER NAME JACKY SUE MUNSON
 MAILING ADDRESS 2625 BENNETT RIDGE RD
 CITY SANTA ROSA, CA TEL. 527 7099

GENERAL CONTRACTOR OWNER

SEPTIC SYSTEM CONTRACTOR

ADDRESS TEL. NO.

JOB ADDRESS 2625 BENNETT RIDGE RD

ASSESSOR'S PARCEL NO.

SUBDIVISION LOT BLK.

CITY

PREVIOUS APPLICATION ☒ YES ☐ NO SYSTEM NEW ☐ ADD/ALTER ☐

Installation will serve:

Residence ☐ Apt. House ☐ Commercial ☐ Mobile Home ☐ Motel ☐

Other ☐ Building Const. NEW ☐ ADD/ALTER ☐

No. of Units No. of Bedrooms GARBAGE DISPOSAL UNIT YES ☐ NO ☐

WATER SUPPLY PRIVATE ☐ PUBLIC ☐ LOT SIZE 2.5 ACRES

APPLICATION PROCEDURES

1. Call your district Sanitarian for discussion of preliminary plans. (Sanitarian's are available in the office between 8 A.M. and 9 A.M. Telephone 527-2711)
 - a) A preliminary plat plan is required.
 - b) Soil percolation tests may be required.
2. Submit completed Application, including detailed plat plan, to the County Public Health Service Office.
3. Obtain Validated Permit from the Building Inspection Department upon notification of approval and payment of fee.

I agree to obtain sanitarian's or design engineer's inspection of installation prior to covering.

I agree to construct this disposal system in accordance with all the provisions of the code of Sonoma County and Sec. 7031.5, Business and Professional Code, and with the plan drawn hereon.

It is understood that the issuance of a permit in no way indicates that a guarantee of perfect and in definite operation of the system is made by the Sonoma County Public Health Service, and that the homeowner is required to make any repairs necessary to conform sewage to the surface of the ground.

APPLICANT MUST COMPLETE REVERSE SIDE OF SHEET 1

Signature Jacky Sue Munson Date 10-10-74
☒ Owner ☐ Owner's Agent

APPLICATION FOR PRIVATE SEWAGE DISPOSAL PERMIT

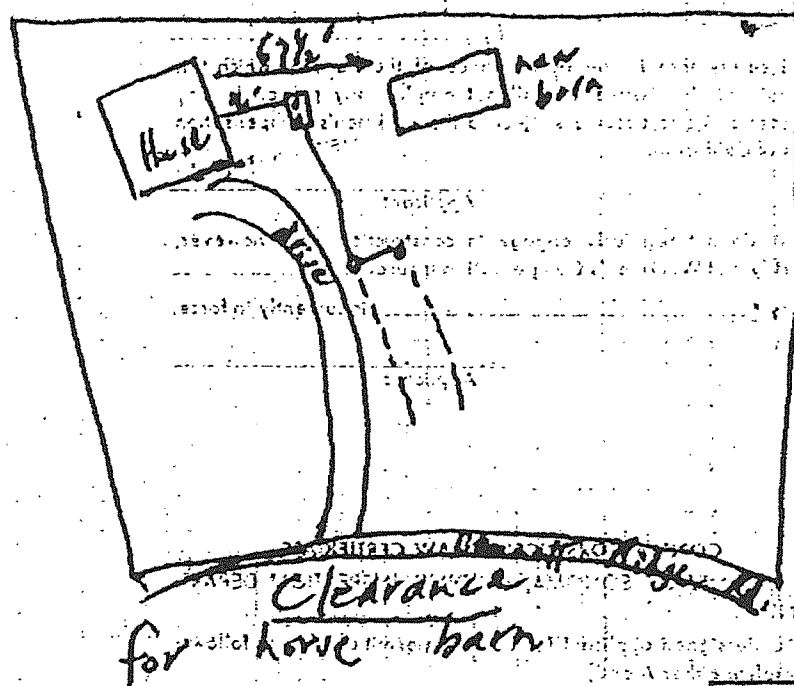
APPLICATION FOR PUBLIC HEALTH CLEARANCE

BUILDING PERMIT NO.	RECEIPT NO.	NO. FEE	NEW	REPAIR	DATE ISSUED	PERMIT NO.
A		<input checked="" type="checkbox"/>			10/10/74	24100

SEWERAGE SYSTEM LAYOUT PLAN

APPLICANT TO DRAW SYSTEM LOCATION, SHOWING DISTANCE TO BUILDINGS, PROPERTY LINES, WELLS, STREAMS, CUT BANKS, ETC. ALSO INDICATE SLOPE AND TERRAIN FACTORS.

NOTES: SEE SHEET 1



LAYOUT PLAN PREPARED BY DATE

- IMPORTANT: 1. Any deviation in construction from above sketch must be approved in writing.
 2. Structural plans for the septic tank must be submitted to and approved by the Sonoma County Building Inspection Department prior to installation.
 3. Final approval of any engineer designed installation requires a signed statement by the design engineer certifying that the installation complies with the plans submitted and approved.
 4. This permit expires in the same manner and at the same time as a building permit as provided for in Sec. 302.4 of the Uniform Building Code.

LAYOUT PLAN APPROVED BY Richard L. Johnson DATE 10/10/74

CONSTRUCTION APPROVED BY DATE

COUNTY OF SONOMA
PUBLIC HEALTH SERVICE

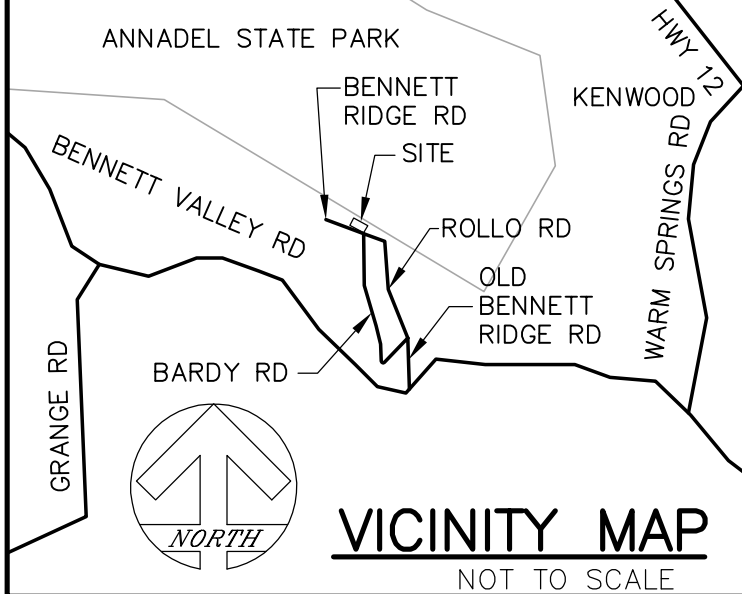
3313 CHANATE RD. • SANTA ROSA, CALIF. 95404 • PHONE 527-2711

ORIGINAL

WHEN VALIDATED THIS IS YOUR PERMIT

DEL-6-75 PERM 159M 000000.00
 159 \$241.00

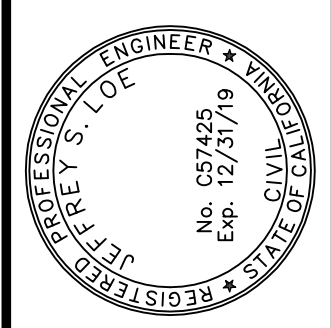
- NOTES:
1. TOPOGRAPHIC SURVEY PERFORMED BY LESCURE ENGINEERS ON JUNE 13, 2018.
 2. LESCURE ENGINEERS IS NOT RESPONSIBLE OR LIABLE FOR CHANGES MADE BY THE CLIENT, HIS/HER CONTRACTORS OR SUBCONTRACTORS TO ANY PLAN, SPECIFICATION OR OTHER CONSTRUCTION DOCUMENT PREPARED BY LESCURE ENGINEERS WITHOUT OBTAINING LESCURE ENGINEERS' PRIOR WRITTEN CONSENT.
 3. THIS MAP DOES NOT CONSTITUTE A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE AS SHOWN ON BENNETT RIDGE PROPERTIES UNIT TWO FILED IN BOOK 135 PAGE 08, SONOMA COUNTY RECORDS.
 4. HORIZONTAL DATUM-- NAD83 CALIFORNIA STATE PLANE ZONE 2. VERTICAL DATUM-- NOV0 1988. HORIZONTAL AND VERTICAL CONTROL OBTAINED BY GPS OBSERVATION AND OPUS SOLUTION. CONTROL: PK NAIL & SHINNER CP3 ELEVATION 1229.65 FEET.
 5. UNDERGROUND UTILITIES SHOWN ARE BASED ON FOUND STRUCTURES & SURFACE INDICATIONS ONLY. THE CLIENT & CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATION & DEPTH OF ALL UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 6. LIDAR DATA AND ORTHOPHOTOGRAPHY WERE PROVIDED BY THE UNIVERSITY OF MARYLAND UNDER NASA GRANT NNX13AP69G AND THE SONOMA VEGETATION MAPPING AND LIDAR PROGRAM.



LEGEND

- APPROXIMATE PROPERTY LINE
- APPROXIMATE EASEMENT
- EDGE OF PAVEMENT
- EDGE OF GRAVEL DRIVEWAY
- ROAD PAINT STRIPE
- ROAD CENTERLINE
- TOP OF BANK
- TOE OF SLOPE
- WOOD FENCE
- WIRE FENCE
- ELECTRIC OVERHEAD
- 5 FOOT INDEX 1\"/>
- LESCURE ENGINEERS, INC. CONTROL POINT
- FOUND MONUMENT
- IRON PIPE NO TAG
- OTHER CONTROL BOXES, AS NOTED
- HOSE BIB
- EXISTING/PROPOSED UTILITY POLE W/ GUYWIRE
- OAK TREE W/TRUNK DIA.
- BAY TREE W/TRUNK DIA.
- FIR TREE W/TRUNK DIA.
- EUCALYPTUS TREE W/TRUNK DIA.
- BURNED TREE W/TRUNK DIA.
- TREE STUMP
- ASPHALT PAVEMENT
- GRAVEL SURFACE
- CONCRETE SURFACE
- PUBLIC UTILITY EASEMENT
- BUILDING SEWER

DESIGNED	DATE
DRAWN	DATE
AFF	06/12/18
CHECKED	DATE
JSL	06/15/18
REVISIONS	



LESCURE ENGINEERS, INC

5488 SKYLANE BLVD. SANTA ROSA, CA 95403
(707) 575-3427 le@lescore-engineers.com

TOPOGRAPHIC SITE PLAN

2625 BENNETT RIDGE RD
SANTA ROSA, CA

APN: 055-191-004

PREPARED FOR:
TERE CROCKER

PROJECT NO.
18070

SHEET NO.
1 OF 1