



August 30, 2016

Job# 2437

Site: 3753 Chanate Road
Santa Rosa, CA, 95404
APN: 173-260-008

Subject: **Existing System Findings Report**

Project Description

The 0.24 acre property is presently developed with a 3 bedroom residence and a detached garage. The residence is served by a redwood tank, a single conventional leachline and cesspit. The owners wish to remodel the existing residence and connect to municipal sewer on Chanate Road. Topography of the site slopes steeply to the south with several cuts and terraces for structures and landscaping.

Permit History

Record documents from 1963 for the existing septic system serving the 3 bedroom residence indicate a repair to the system consisting of a single 50' leach line, septic tank and seepage pit. The septic tank is depicted adjacent to the residence on the southerly side at the westerly end. Hogan Land Services conducted an onsite evaluation of the existing systems and our findings follow below.

Septic Tank

The existing septic tank appears to be a 750 to 800 gallon redwood tank, located 5' off of the southerly side of the residence and within 10' of the top of bank of the 1 to 1 sloped adjacent landscape area. The tank is buried with 4" of cover, with a concrete slab over the redwood boards with concrete lids. The tank is separated into 2 compartments by a redwood baffle which has fallen apart and no longer functions as a baffle. The redwood boards comprising the sides of the tank are peeling away from the earthen fill around the tank, allowing soil to infill the tank. The bottom of the tank is a stepped concrete slab. The outlet to the septic tank has partially collapsed. This redwood septic tank is badly dilapidated and was pumped by Quality Septic at the time of inspection, (receipt enclosed).

Dispersal Field

According to the 1963 records, a single 50' leach line is located to the west of the residence. This is impossible in the site's present configuration as a garage is built recessed into the sloped ground where the record leach line would exist. The standard septic system serving the 3 bedroom main residence exists within the 10' setback to the residence and the top of bank of a 1 to 1 sloped adjacent landscape area. The dispersal field was dosed from the tank outlet at approximately 7 GPM for 10 minutes. An inspection of the areas around the residence where a leachline could possibly exist

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yielded no indications of surfacing effluent. No area appears to exist on the parcel for the installation of a code compliant onsite waste disposal system.

Conclusion

Based on the results of our investigation, we have determined the existing leach field and tank to be non-code compliant. The failing redwood tank is operating as a cesspool in its current state. Additionally, a single leachline of 50' in length is inadequate for the current 3 bedroom use. At a minimum, a Class III repair should be pulled to replace the tank and add adequate leachlines. Due to the site constraints, adequate length of lines will not likely be feasible. We recommend approaching the City of Santa Rosa for a utility certificate and apply to connect to the City sewer system on Chanate Road.

The above is an accurate description of the observation made August 29, 2016. No warranty or guarantee is given or implied regarding the future function of the subject sewage disposal system.

Please contact us with any questions you may have regarding the system.

Sincerely,

A handwritten signature in blue ink, appearing to read "Steven A. Janes".

Steven A. Janes, Eng. Tech

A handwritten signature in blue ink, appearing to read "Daniel P. Byrne".

Daniel P. Byrne, R.C.E. 80078

Enclosed:

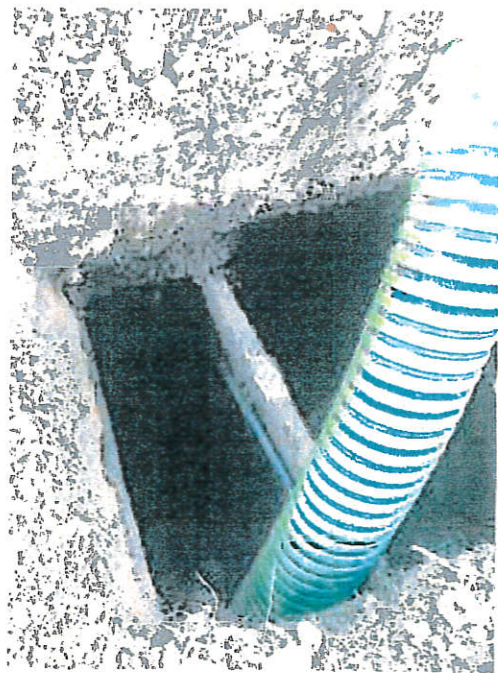
- Septic Pump Receipt
- Site Photos
- Record documents
- Site Exhibit with Existing Septic System Layout
- AP Map

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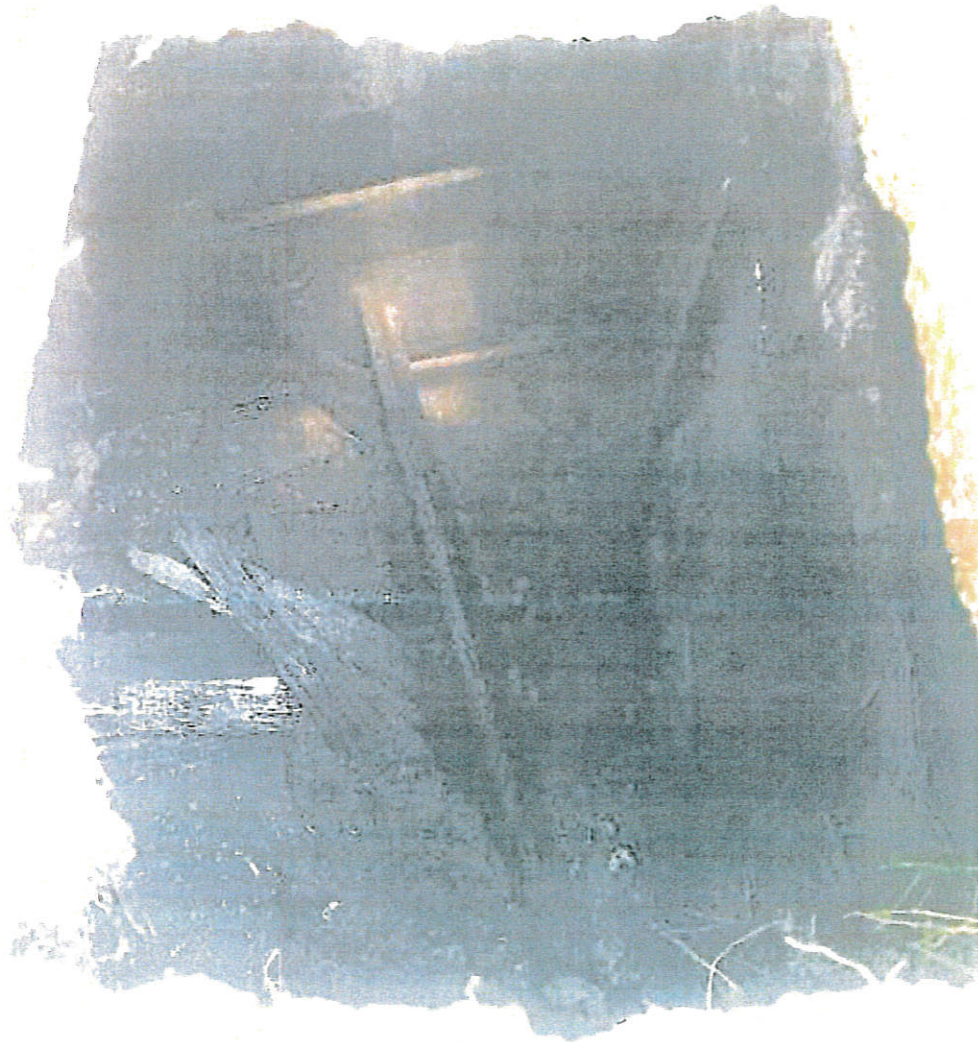


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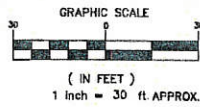
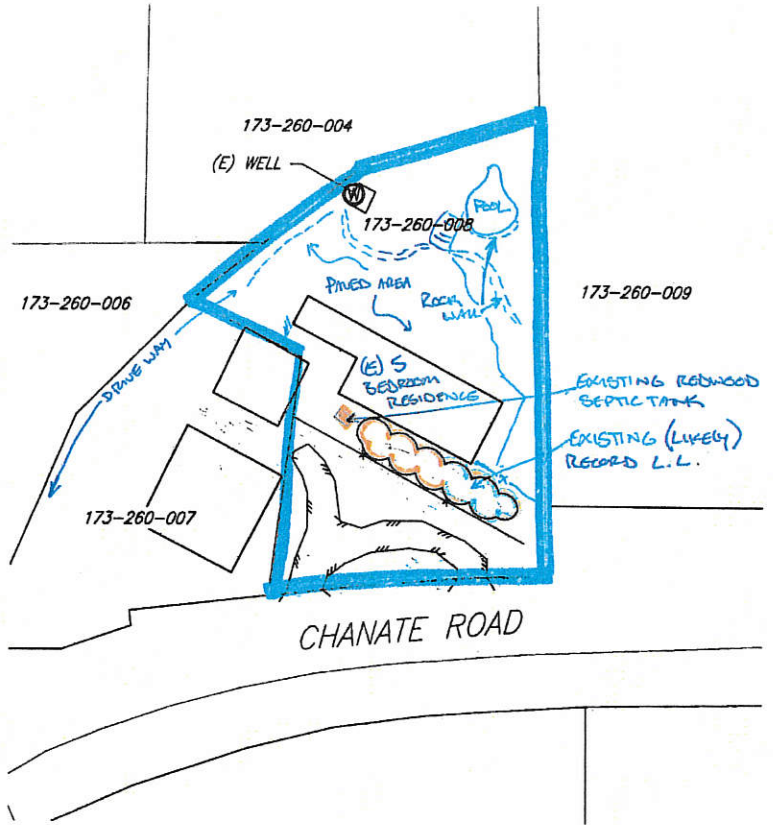
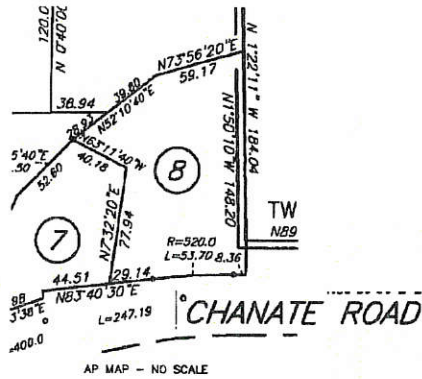
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NOTE: THIS EXHIBIT DOES NOT REPRESENT A TOPOGRAPHIC SURVEY OR BOUNDARY DETERMINATION. BOUNDARY SHOWN IS PER SONOMA COUNTY GIS MAPPING SERVICE ONLY AND HAS NOT BEEN SURVEYED OR CONFIRMED. THE USE OF THIS EXHIBIT IS INTENDED FOR GENERAL REFERENCE ONLY AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE. SETBACKS HELD TO PHYSICAL LINE OF POSSESSION. IT IS THE RESPONSIBILITY OF THE OWNER TO CONDUCT A BOUNDARY SURVEY TO ENSURE APPROPRIATE SYSTEM LOCATION.



DEPARTMENT OF PUBLIC HEALTH

Receipt No. 270
Date 3-21-63

APPLICATION FOR PRIVATE SEWAGE DISPOSAL PERMIT

(This is NOT a permit to construct)

Application is hereby made to the Sonoma County Health Officer for a permit to construct a sewage disposal system as described below in compliance with Sonoma County Ordinance No. 360. (See reverse side for instructions).

(Please print)

JOB ADDRESS AND LOCATION 3753 CHANATE ROAD Santa Rosa

Previous Application: Yes No X New Construction: Yes X No

OWNER'S NAME Leroy H. Knubb Jr. PHONE LI 60906

ADDRESS 3753 Chanate Rd Santa Rosa

CONTRACTOR'S NAME PHONE

Installation will serve: Residence Apt. House Commercial Trailer Court Motel Other Repair

No. of Living Units 1 No. of Bedrooms 3 Garbage Disposal Unit: Yes No X

Water Supply: Private X Public Lot Size: 2/3 Acre X

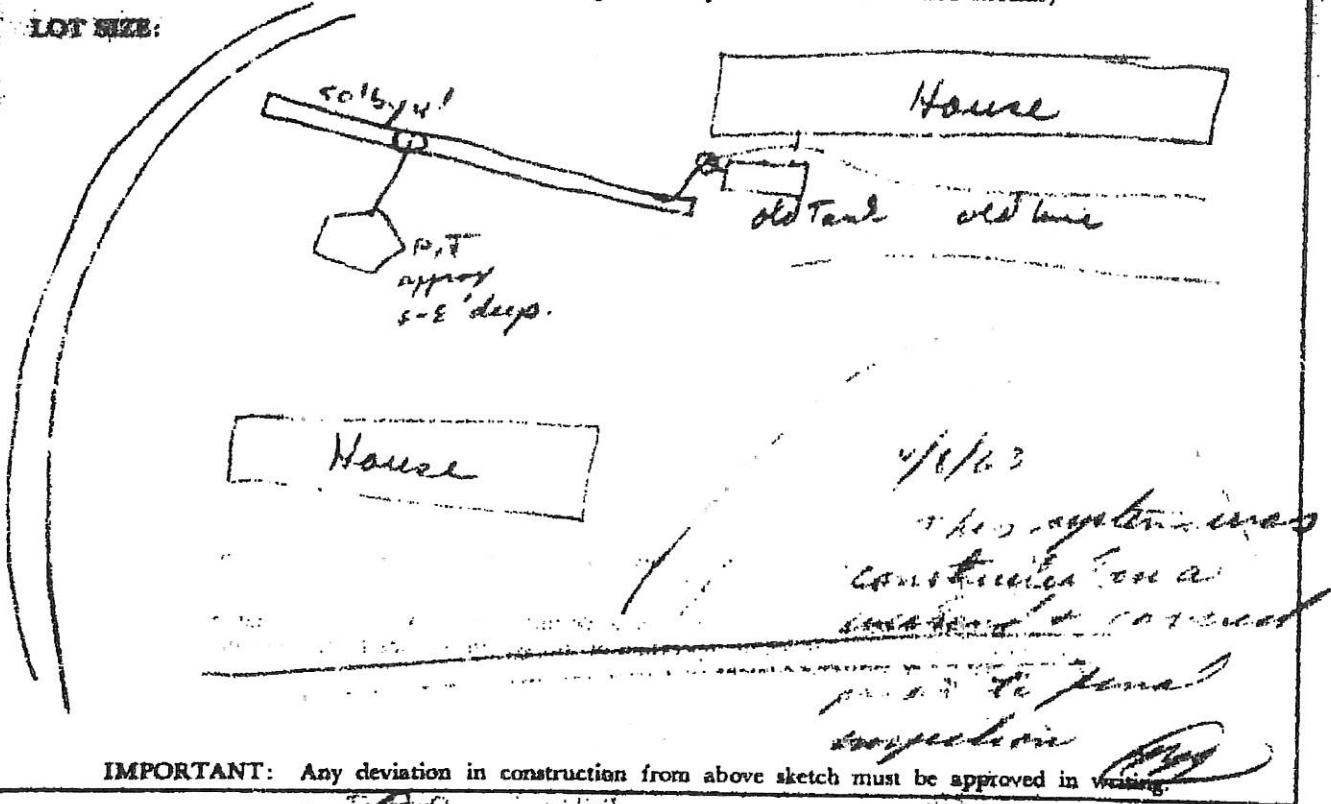
SANITARIAN'S REPORT

Type of Soil Standard Percolation Rate

SEWAGE SYSTEM LAYOUT PLAN

(Include location, distance and ground slope to nearest wells and streams)

LOT SIZE:



IMPORTANT: Any deviation in construction from above sketch must be approved in writing.

Date Permit Issued 3/27/63 Date Permit Denied Date Construction Approved

SANITARIAN 3313 Chanate Road, Santa Rosa, Phone Liberty 5-4031

APPLICATION AND PERMIT FOR SEWAGE DISPOSAL

APPLICATION FOR PERMIT TO INSTALL SEWAGE DISPOSAL SYSTEM

1. Apply for private sewage disposal permit at the County Health Department.

2. Request an inspection by a representative for approval of location and type of system.

3. Permit is issued according to specifications on application.

4. First inspection of system is made with:

- a. Tank uncovered
- b. Distribution box (if necessary) uncovered
- c. Rock available for inspection but not in place
- d. Excavation completed and inspected in place

5. Final inspection is made with:

- a. Gravel in trench
- b. Tile line in place and covered with rock, but not backfilled with soil

6. Construction is approved.

2027 at 102

PHONE 41 6000

X

SANITARIAN'S REPORT

SEWAGE SYSTEM LAYOUT PLAN

I agree to construct this disposal system in accordance with all the provisions of Sonoma County Ordinance No. 360.

It is understood that the issuance of a permit in no way indicates that a guarantee of perfect and indefinite operation of this system is made by the Sonoma County Public Health Department.

Signature *Henry H. Knish, Jr.*

Date *March 21, 1963*

Builder Owner

SANITARIAN'S REPORT