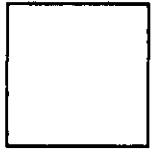




Type



Plans

Sep 12-0649

Permit Number

1709

Street Number

Hearn Ave

Street Name

Bel

Community Code

125-531-018

APN

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

APPLICANT: PLEASE PRESS HARD (USE BLACK INK).
FILL IN BETWEEN HEAVY LINES ONLY.

SEE BACK SIDE FOR TERMS OF PERMIT

JOB ADDRESS 1709 Heaven Ave LOT _____
 NEAREST CROSS STREET BURBANK
 ASSESSOR'S PARCEL NO. 125 531 018 LOT _____
 SUBDIVISION Santa Rosa ZIP 95407
 CITY Santa Rosa
 SEWAGE DISPOSAL SYSTEM CONTRACTOR _____
 ADDRESS _____
 GENERAL CONTRACTOR Shed + Under Steve Sheeks PHONE No. _____

Building Permit # SEP 12 02619 EXISTING USE(S) ON SITE: RES.
 OWNER'S NAME Larry Schurt
 MAILING ADDRESS 1960 Fountainview Cir
 CITY Santa Rosa STATE CA ZIP 95403
 PHONE (707) 575 7245

INSTALLATION WILL SERVE: EXISTING RESIDENCE NEW RESIDENCE
 REPLACEMENT RESIDENCE SECOND UNIT COMMERCIAL REPAIR
 OTHER: _____ ATTACHED CONDITIONAL STATEMENT

TOTAL (Existing + Proposed) Number of Units: 1 Total No. of Bedrooms: 2
 Water Supply: Public Private
 Lot Size: 1.8 ac

OWNER-BUILDER DECLARATION
 I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).
 I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.
 I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code). The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.
 I am exempt under Sec. _____

LICENSED CONTRACTOR'S DECLARATION
 I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
 Contractor _____ License Class _____
 License Number _____ Expiration Date _____

WORKER'S COMPENSATION DECLARATION
 I hereby affirm under penalty of perjury one of the following declarations:
 I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
 I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are: _____
 Carrier Policy No. _____
 Exp. Date _____
 Applicant Signature: [Signature]
 WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

PERMITS REVIEWED BY
 DATE: 10/24/12
 SONOMA COUNTY PERMITS AND RESOURCE MANAGEMENT DEPARTMENT
 I certify that I have read this application and affirm under penalty of perjury that to comply with all local Ordinance, I have reviewed the application and the County of Sonoma I enter upon the above-mentioned property for the Certificate of Exemption for the Contractor's Compensation provision of the Labor Code I should become subject to such provisions, I will forthwith comply with the provisions of the Labor Code that are deemed revoked.

A SEPTIC PERMIT SHALL EXPIRE IN THREE(3) YEARS FROM DATE OF ISSUANCE UNLESS OTHERWISE NOTED BY CODE ENFORCEMENT.
 THIS PERMIT IS LIMITED TO _____ DAYS.
 Violation # VPL04-0264
 Code Enforcement _____
 Date _____

WORKER'S COMPENSATION DECLARATION
 I hereby affirm under penalty of perjury one of the following declarations:
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 I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are: _____
 Carrier Policy No. _____
 Exp. Date _____
 Applicant Signature: [Signature]
 WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Date 10/24/12
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SIGNATURE OF APPLICANT
[Signature]
 Address 1960 Fountainview Cir SR City 95403
 Construction and Permit Filled by: Ta Nguyen Date 1/15/13

SIGNATURE OF APPLICANT
[Signature]
 Address 1960 Fountainview Cir SR City 95403
 Construction and Permit Filled by: Ta Nguyen Date 1/15/13

County of Sonoma
Permit & Resource Management Department
Well & Septic Section
2550 Ventura Avenue, Santa Rosa, CA 95403-2829
(707) 565-1900

SEPTIC SYSTEM INSPECTION

Site Address: 1709 Hearn Ave

Owner: _____

SEP12-0649
REQUEST FOR INSPECTION

Date of call: _____ Time: _____

Caller: _____

Caller's Phone No.: _____

Remarks: _____

Call taken by: _____

INSPECTION NOTICE

- Stop work immediately - Call Environmental Health Specialist
Telephone _____ Hours _____
- OK to cover leachfield tank
- Provide Engineer's letter of approval
- Provide "As Built" plan to scale
- Call for inspection on pump & alarm
- Corrections needed - see remarks below
- OK to cover with Engineer's approval
- Issue Operational Permit

For further information call: _____

Hours & Day: _____

Remarks: 810 gal septic tank w/risers and
Sanitary tees installed. Effluent filter
installed. IAMPD Certified.
Old septic tank destruct. Pump receipt
and photo seen.

Morgan K. Carr 1-11-13
Environmental Health Specialist's Signature Date

Received by: P. K. R.
Contractor's Signature

Posted



LESCURE
ENGINEERS, INC.

✓
awz
Telephone: (707) 575-3427
Facsimile: (707) 542-2353

4635 Old Redwood Hwy
Santa Rosa CA 95403

October 24, 2012

Sonoma County
Permit & Resource Management Department
2550 Ventura Ave
Santa Rosa CA 95403

Attention: Wiles Edison, REHS

Subject: 1709 Hearn Avenue, Santa Rosa
APN: 125-531-018
SEPTIC SYSTEM EVALUATION & FINDINGS REPORT
REUTILIZATION OF EXISTING LEACH FIELD FOR REPAIR OF FIRE DAMAGE

Wiles,

Thank you for meeting with Larry Scharf, the property owner and myself on 10/18/12 to discuss the applicability of the reutilization policy for allowing the repair of fire damage to the subject residence. This report is in follow-up to that discussion to document the amount of burned wall to be replaced, report the findings of our septic system evaluation and load test, and to support the application for a tank only permit to replace the broken concrete septic tank.

FINDINGS:

The 2 bedroom residence of concern is one of three residences on the 1.8 acre parcel. Each residence has its own septic tank and leach field which extend north of each structure. A single well serves all three residences. The parcel is in unincorporated County land that lies within the City of Santa Rosas Urban Growth Area, Urban Service Area and Sphere of Influence. The property will eventually be served by City sewer, but the sewer connection is not available until the property is annexed. The annexation of lands to the City is a very expensive process which could take years to complete. As such, continued use of the existing in ground leach field is requested.

The contractor's building plan indicates that of 118 LF of exterior wall 24 LF require replacement because of fire damage. In our 10/18 meeting you indicated that if <50% of the exterior house walls (excluding garage) required re- construction then the project would be considered a remodel rather than a re-build. From this remodel determination we follow the Minor Additions and Remodels flow chart of the policy Guidelines for Remodeling and Additions with Respect to On-Site Wastewater Treatment Systems. Following is my evaluation under the Policy for Reutilization of Existing On-site Sewage Disposal System.

The system was permitted in June 1978 and there is a representative site plan on file. The system consists of an 810 gallon concrete septic tank and two 2' wide 100' leach lines (100 LF/BR). There is no code enforcement action pending. Because the system over 30 years old a septic system findings report is required.

The owner had the septic tank lids and distribution boxes exposed and the leach line ends potholed for evaluation. The two compartment concrete septic tank was empty indicating that it is broken – the septic tank must be replaced. I observed the gravel in the leach lines to be reasonably clean for a system of this age; the gravel was not congested with sludge or soil. The leach lines are approximately 36" deep. There was minor amount of sludge in the first distribution box. The pipe connecting the two distribution boxes was occluded and requires replacement.

I requested a load test to determine the function of the leach lines. Prior to the load test the effluent line between the septic tank and distribution box and both leach line pipes were jetted and found to be clear with exception of a break or disjointed pipe in one of the leach lines. That leach line pipe was jetted from both ends to a point of obstruction, but does not appear significant, as effluent reached the end of the leach line during the load test.

AKA (707) (723

Client: Larry Scharf
Site: 1709 Hearn Avenue, Santa Rosa
APN: 125-531-018

LESCURE ENGINEERS, INC.
October 24, 2012
Page 2 of 2

The load testing was performed by BDK Septic Service. The preliminary load test and pipe jetting conducted on separate days prior to the actual load test served as a pre-soak of the leach lines so they were wet field for the actual load test. The leach lines were hydraulically loaded with clean water to the point of liquid back up in the distribution boxes. The lines were reloaded after 30 minutes and reloaded again after 1 hour. Water flowed freely to the distal ends of the lines and after the third loading the water level dropped to the proper level in the distribution boxes. Leach line #1 was loaded with approximately 250, 210 and 150 gallons. Leach line #2 was loaded with approximately 260, 220 and 150 gallons.

CONCLUSION & RECOMMENDATIONS:

Based on my observations and the results of load testing, which followed twice pre-soaking the leach field, I conclude that the leach field is functioning adequately during periods of unsaturated soil conditions. While this region is known to have an elevated winter groundwater levels, the owner indicates that he has not received any reports of winter backup or sluggishness. Based on this evaluation, I anticipate the system to have a residual lifespan of 5 years or more. If the system were to fail, I recommend that if possible, the residence be connected to the public sewer system rather than an onsite leach field repair. There is however, sufficient room to site a replacement leach field within required setbacks if an onsite replacement was necessary.

I recommend that the septic tank be replaced with an IAPMO approved 1,200 gallon (810 gal. min.) precast concrete septic tank fitted with a septic tank effluent filter, water tight risers and gasketed lids. I also recommend that the pipe between distribution boxes be replaced to assure hydraulic conductivity, and that all toilets in the residence be replaced with low water use models of ≤ 1.6 gal/flush.

In our 10/18/12 meeting you indicated that these repairs could be conducted under a tank only permit, and that this report could be filed as a part of that permit to document function of the system.

I recommend that a permit be issued for these corrections and that the system be cleared under the reutilization policy for continued use for a 2 bedroom residence.

Please call if you have any questions or concerns.

Sincerely,

Jeffrey S. Loe, PE
C 57425

Encl: Building Plans Showing Extent of Fire Damage (2-11x17" sheets)
Aerial Photo - showing three residences leach fields (1-8.5x11" sheet)
BDK Septic Service 10/15/12 – Load test report

cc: file 12016 PRMD Edison Letter 012312.docx

BDK Septic Service

P.O. Box 7841
Santa Rosa, CA 95407
Lic. 802125

October 15, 2012

Attention: Larry Scharf

On October 11 2012, BDK Septic service was contracted to due a load test on the leach field located at 1709 Hearn Ave. To evaluate the condition of the leach lines.

The leach field consists of two 100' leach lines, located along side of the driveway. Distribution boxes and the end of the leach lines were exposed for the test.

A visual inspection of the leach field was done prior to the load test. We found that the cross over pipe between the two distribution boxes needs to be replaced. The pipe from the septic tank to the first distribution box was good no obstructions were found. We had the leach lines jetted out for a clean test.

Both lines were tested before and after the jetting.

Both line during the jetting accepted 8 gallons a minute; this was the maximum for that machine

Load test:

Hose pressure was metered at 10 gallons a minute

#1 Leach line

Ran hose for 25 minute before water started backing up, Let it recover while testing the other line.

250 gallons

After 30 minute retested line 1 for 21 minute before water back flowed into the box

210 gallons

#2 Leach line

Ran hose for 26 Minutes before water back flowed into the d-box, let recover while test the other line

260 Gallons

After 30 minutes retested line retested line 2 for 22 minutes before back flowing into the d-box

220 Gallons

We let the leach field rest for 1 hour then tested both lines at once. Ran the hose for 30 minutes to over load both line and monitor the recovery time.

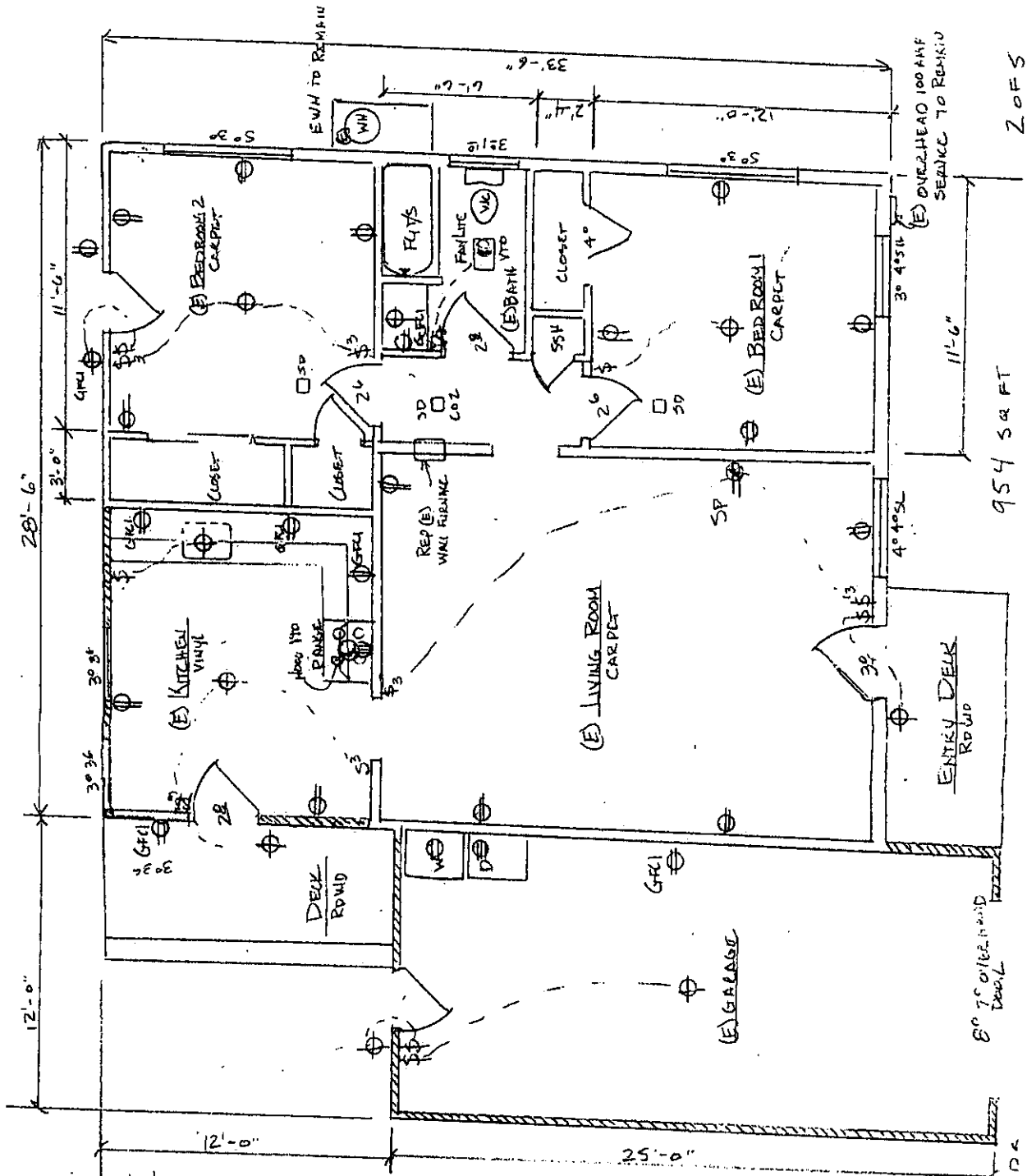
After the test the leach field recovered in 2.5 minutes to the proper height in the d-boxes. The end of the leach lines were not flooded water seemed to flow through the rock normally.

It is our opinion that this leach field is working properly.

Sincerely,

Benny D. Kames – Owner





WALLS TO BE REPLACED
 HOUSE = 21 LIFT
 GAR = 54 LIFT

WALLS TO REMAIN
 EXT. HOUSE = 94'
 INT. HOUSE = 100'

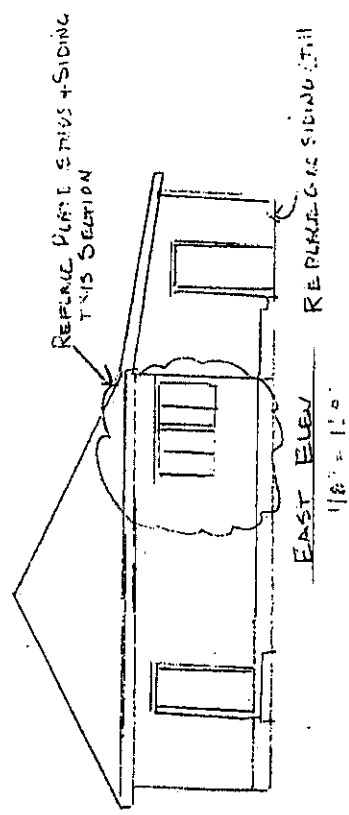
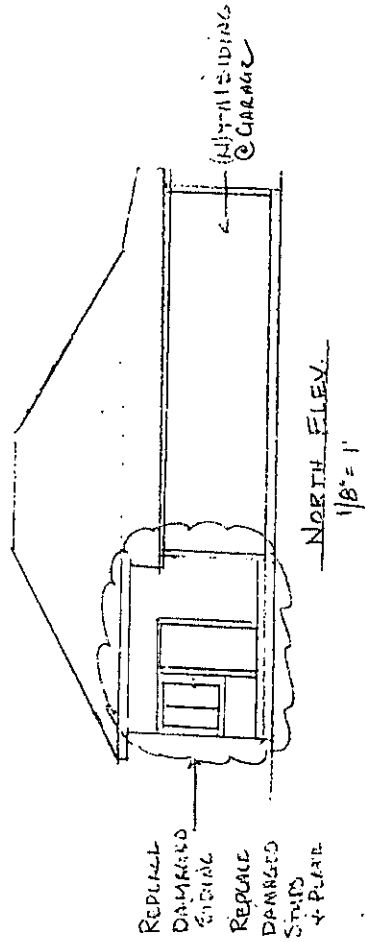
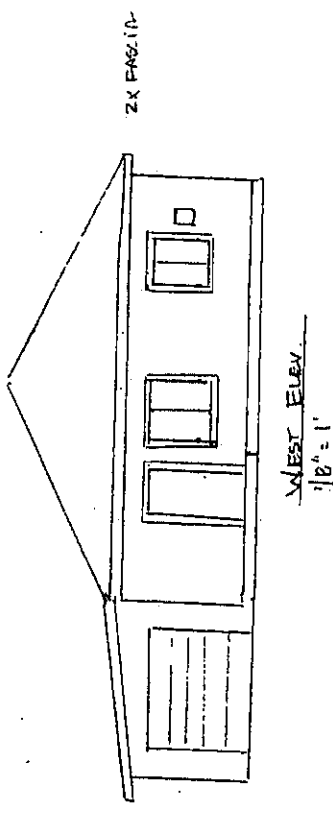
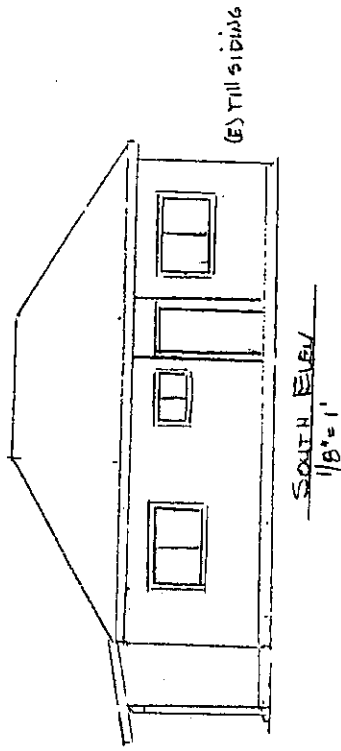
- SCOPE OF REPAIRS
1. REBUILD ENTIRE GARAGE
 2. REMOVE ROOFING @ HOUSE
 3. REMOVE ROOF SHEATHING AT HOUSE
 4. REMOVE RAFTERS AT HOUSE AND INSTALL NEW ROOF FRAMING
 5. INSTALL NEW PLUMBING FROM FLOOR LEVEL UP
 6. INSTALL NEW WIRING IN ENTIRE HOUSE & GARAGE
 7. NEW INSULATION IN WALLS AND CEILING - R11 WALLS, R38 CEILING
 8. INSTALL NEW DOORS AND CABINETS
 9. INSTALL NEW PLUMBING FIXTURES
 10. INSTALL NEW PLUGS, SWITCHES & LIGHT FIXTURES
 11. INSTALL NEW SHEETROCK IN HOUSE
 12. NEW PAINT INTERIOR & EXTERIOR
 13. INSTALL ALL NEW VINYL WINDOWS
 14. REPLACE EXISTING WALL FURNACE
 15. REPLACE EXISTING DECKING IN 2 LOCATIONS INCLUDING DECK FRAMING WITH REDWOOD DECKING AND PT/D/F FRAMING
 16. INSTALL NEW APPLIANCES

FLOOR PLAN

2-12 1/4" = 1'-0"
 705 HEARN AVE, SALT LAKE CITY
 CHARF FIRE DAMAGE DATA

Lineal Foot Calculations for Siding and Walls

- Pre-fire Lineal feet of exterior walls with Siding = 118'
- Lineal feet of walls with Siding to remain = 37'
- Lineal feet of walls with Siding to be replaced = 74'
- Lineal feet of new T-111 Siding added over existing V-Rustic siding = 57'



ELEVATIONS
 1/8" = 1'-0"
 8-22-12
 SQUARE FIRE DAMAGE REPAIRS
 1709 HEARL AVE, SANTA ROSA



HEAVEN AVE

Subject
709

Well
100' 5/8"

706

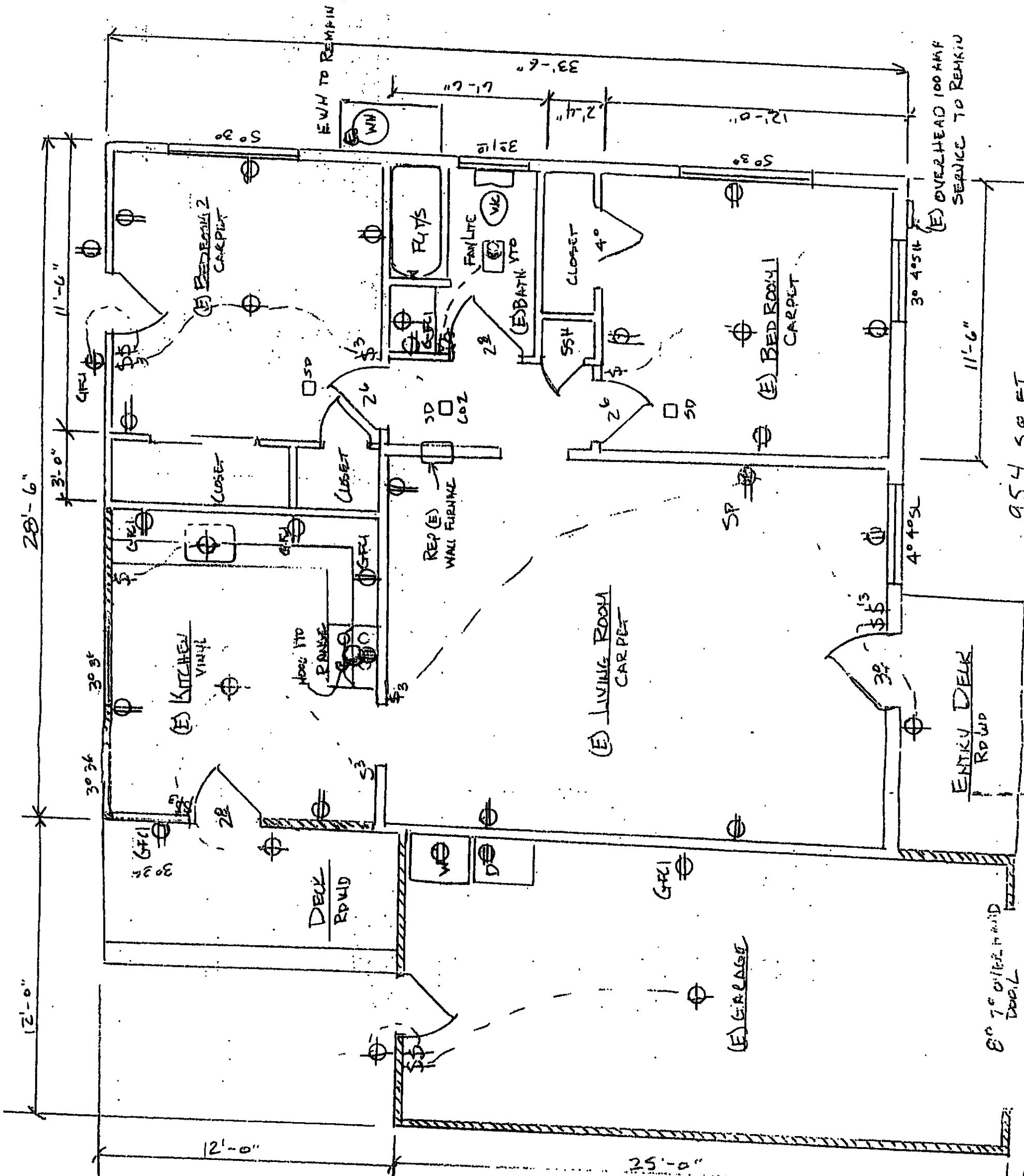
Google Earth

© 2012 Google
Image City of Santa Rosa

Eye Alt 339 ft

Lat: 38° 13' 19.716" N Long: 122° 26' 50.627" W Elev: 117 ft

© 1993



WALLS TO BE REPLACED
 HOUSE = 24 LINE FT
 GAR = 54 LINE FT

WALLS TO REMAIN
 EXT. HOUSE = 94'
 INT. HOUSE = 100'

SCOPE OF REPAIRS

1. REBUILD ENTIRE GARAGE
2. REMOVE ROOFING @ HOUSE
3. REMOVE ROOF SHEATHING AT HOUSE
4. REMOVE RAFTERS AT HOUSE AND INSTALL NEW ROOF FRAMING
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7. NEW INSULATION IN WALLS AND CEILING - R11 WALLS, R30 CEILING
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16. INSTALL NEW APPLIANCES

FLOOR PLAN

7-12 1/4" x 1'-0"
 709 HEARN AVE, SANTA ROSA,
 CHARF EIDE DANA INC

209.5 ft

• well

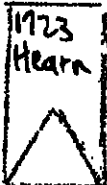
min. 810-gal septic tank. IT must be ZAPMO approved with risers and sanitary tees

SONOMA COUNTY
 PERMIT AND RESOURCE
 MANAGEMENT DEPARTMENT
 REVIEWED BY
 PERMIT # SE P12-0649
 T.A. Naugen
 DATE 11/14/12
 WELL AND SEPTIC SECTION

384.5 ft

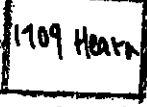
338 ft

septic tank

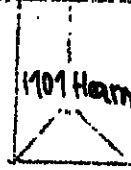


Drive way

distribution boxes



Tank old tank



septic tank

185 ft

Hearn Ave

Silver Spur Dr