

Type

Docs

Plans

No Info

Building Permit Number

22129

Street Number

Umland Circle

Street Name

Community Code

APN

JN 93120  
DD  
05/11/94

COUNTY OF SONOMA  
PUBLIC HEALTH DEPARTMENT

1000 CENTER DR. - SUITE A - SANTA ROSA, CA 95403-2057 - PHONE (707) 525-6500

APPLICATION FOR PRIVATE  
SEWAGE DISPOSAL PERMIT

APPLICATION FOR PUBLIC  
HEALTH CLEARANCE FOR:

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.

This permit application must be signed on all 3 signature lines by the same person (i.e., contractor or owner/builder). A letter of authorization from owner must accompany this application if agent is signing on owner's behalf.

PRESSURE DISTRIBUTION

APPLICANT: PLEASE PRESS HARD (USE BLACK INK). FILL IN BETWEEN HEAVY LINES ONLY AND SEE REVERSE SIDE FOR INSTRUCTIONS.

|                       |                             |                        |           |                     |        |
|-----------------------|-----------------------------|------------------------|-----------|---------------------|--------|
| BLDG. PERMIT NO.<br>A | SDS PERMIT NO.<br>94-353341 | DATE ISSUED<br>4/15/94 | CLEARANCE | NEW<br>11073<br>XXX | REPAIR |
|-----------------------|-----------------------------|------------------------|-----------|---------------------|--------|

JOB ADDRESS 22129 Umland Circle

NEAREST CROSS STREET Ruoff Drive

ASSESSOR'S PARCEL NO. 109-420-08

SUBDIVISION Timber Cove II LOT 56 BLK

CITY Jenner STATE CA ZIP 95450

SEWAGE DISPOSAL SYSTEM CONTRACTOR

ADDRESS TEL NO.

GENERAL CONTRACTOR

OWNER'S NAME J. Chris Scoggins

MAILING ADDRESS 21985 Timber Cove Road

CITY Jenner STATE CA ZIP 95450 PHONE NUMBER

INSTALLATION WILL SERVE:

RESIDENCE  APARTMENT HOUSE  COMMERCIAL  MOBILE HOME

MOTEL  OTHER  BUILDING CONST. NEW  ADDN/ALTER

NO. OF UNITS: 1 TOTAL NO. OF BEDROOMS: 2 WATER SUPPLY: PUBLIC  PRIVATE  LOT SIZE: X

OPERATIONAL PERMIT

TERMS OF PERMIT

- APPLICANT AGREES THAT:
- HEALTH DEPARTMENT ENVIRONMENTAL HEALTH SPECIALIST WILL BE NOTIFIED A MINIMUM OF 24 HOURS PRIOR TO COMMENCING WORK.
  - HEALTH DEPARTMENT ENVIRONMENTAL HEALTH SPECIALIST AND ENGINEER'S OR CONSULTING ENVIRONMENTAL HEALTH SPECIALIST'S INSPECTION, WHEN INDICATED, WILL BE OBTAINED PRIOR TO COVERING THE SYSTEM.
  - THE JOB CARD AND A COPY OF THE APPROVED SEWAGE DISPOSAL SYSTEM DESIGN SHALL BE AVAILABLE AT THE JOB SITE AT ALL TIMES.
  - ANY DEVIATION FROM APPROVED PLAN WITHOUT PRIOR APPROVAL OF THE HEALTH OFFICER WILL BE CAUSE FOR STOPPING WORK UNTIL THE CHANGES ARE FULLY JUSTIFIED AND APPROVED.
  - THE SEPTIC TANK MUST BE I.A.P.M.O. APPROVED.
  - PRIOR TO AUTHORIZING OCCUPANCY OF ANY BUILDING WITH AN ENGINEER OR CONSULTING ENVIRONMENTAL HEALTH SPECIALIST DESIGNED SYSTEM, A SIGNED STATEMENT BY THE DESIGNER CERTIFYING THAT THE SYSTEM WAS INSTALLED IN COMPLIANCE WITH THE APPROVED PLAN MUST BE SUBMITTED TO THE PUBLIC HEALTH OFFICER.
  - THIS PERMIT IS SUBJECT TO REVOCATION IF FOUND TO BE IN NONCONFORMANCE WITH SONOMA COUNTY CODE OR STANDARDS OF THE PUBLIC HEALTH DEPARTMENT.
  - THIS PERMIT IS NOT TRANSFERABLE.

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 COUNTY OF SONOMA PUBLIC HEALTH DEPARTMENT AND THAT THE OWNER IS REQUIRED TO MAKE ANY REPAIRS NECESSARY TO CONFINE SEWAGE BELOW THE SURFACE OF THE GROUND. APPROVAL IS BASED UPON INFORMATION SUBMITTED BY THE APPLICANT. FIELD CONDITIONS AT VARIANCE WITH APPLICATION MAY VOID PERMIT.

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND THE INSTRUCTIONS ON THE REVERSE SIDE AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL COUNTY ORDINANCES AND STATE LAWS REGULATING CONSTRUCTION OF PRIVATE SEWAGE DISPOSAL SYSTEMS. THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK AUTHORIZED IS NOT COMMENCED WITHIN 180 DAYS.

X *J. Chris Scoggins*  
SIGNATURE OF APPLICANT

The undersigned applicant for private sewage disposal permit certifies as follows:

CONTRACTOR'S LICENSE LAW CERTIFICATE

- (COMPLETE EITHER A OR B)
- A. THE APPLICANT IS LICENSED UNDER THE PROVISIONS OF THE CONTRACTORS LICENSE LAW UNDER LICENSE NUMBER

B. THE APPLICANT IS EXEMPT FROM THE PROVISIONS OF THE CONTRACTORS LICENSE LAW FOR THE FOLLOWING REASONS:

1) OWNER REVIEWED BY

2) OTHER (EXPLAIN)

X *J. Chris Scoggins*  
APPLICANT

WORKMEN'S COMPENSATION CERTIFICATE

- (One or Two must be completed)
1. A currently effective certificate of Workmen's Compensation Insurance coverage is on file with the Sonoma County Public Health Department.

Compensation Insurance Policy # \_\_\_\_\_ is currently in force.

2. I certify that in the performance of the work for which this permit is issued I shall not employ any person in any manner so as to become subject to the workman's compensation laws of California.

X *J. Chris Scoggins*  
APPLICANT

06/09/94

001342D  
SEP TANK 803.00  
TTLAMT 803.00  
CHECKS 803.00  
CHANGE 0.00  
2948 #2 8.00

LAYOUT PLAN APPROVED BY DM DONAVAN DATE 6-15-94

CONSTRUCTION APPROVED BY DM DONAVAN DATE 5-31-95

LU0008 (Rev. 12/91) DATE

WHEN APPROVED THIS IS YOUR PERMIT

Site ID Number 11073

GTO

ENVIRONMENTAL HEALTH

DATE: 1) ORIG. - HEALTH DEPT. / 2) HEALTH DEPT. / 3) PERMITTEE / 4) BLDG. INSP. DEPT. / 5) BLDG. INSP. DEPT. NOT TRANSFERABLE

# HUFFMAN ENGINEERING

876 GRAVENSTEIN HWY. SO., SEBASTOPOL, CA 95472 (707) 823-2190

December 30, 1991

Sonoma County Public Health Dept.  
1030 Center Drive, Suite "A"  
Santa Rosa, California 95403

Attn.: Dave Donovan, R.E.H.S.

Re: Percolation Testing at 22129 Umland Circle, TimberCove  
Subdivision. A.P. # 109-420-08.

Dear Dave,

A pre-percolation meeting was conducted at the above mentioned address with Bob Swift on September 3, 1991. At this meeting it was agreed that based on the profile holes and topography observed, a pressure distribution system would be most suitable for the lot. It was agreed on to test at 24" - 30" and 48" and 52" deep. A hydrometer test was performed on a sample extracted at 24" deep, see enclosed log for result.

The site is densely covered with tan oaks and redwoods. There is an ephemeral stream lying downhill and to the north of the tested area.

#### Recommendations:

A pressure distribution system should be designed by a registered Civil Engineer, familiar with the Sonoma County Environmental Health Department and the North Coast Regional Water Quality Control Board regulations.

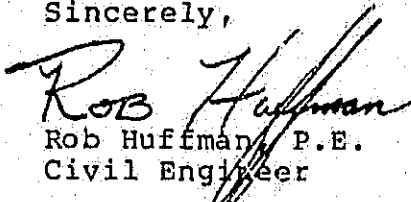
The design should utilize an application rate of 0.92 gallons per square foot per day. The trenches shall be 30" deep in areas with slopes of less than 25%. An additional 6" of gravel per lineal foot may be added in slopes less than 20%. In areas where additional gravel is used, the trench spacing is eight (8) feet maximum on center, otherwise the trench spacing is six (6) feet maximum on center. A lined diversion ditch shall be constructed to prevent road run-off from damaging the leachfield, see enclosed plans for approximate location.

An accurate topographic map is necessary for all design work. It is recommended that all trees within the leachfield be removed. Any tree stump over 12" in diameter shall be removed by a stump grinder or a chain saw. Pulling of the stumps will damage the leachfield and is not allowed. A 50' setback is required for the ephemeral stream shown.

I have witnessed a portion of the percolation test, logged the profile holes, and reviewed the percolation test data. I have determined that they are true, accurate and indicative of the site for an on-site sewage disposal system as measured by the current standards of the Sonoma County Environmental Health Department.

If you have any questions, please call me at 823-2190. Thank-you.

Sincerely,

  
Rob Huffman, P.E.  
Civil Engineer

RH:th:enc.  
91-72a

# HUFFMAN ENGINEERING

876 GRAVENSTEIN HWY. SO., SEBASTOPOL, CA 95472 (707) 823-2190

December 30, 1991

Mr. Jim Coconas  
1036 Pleasant Hill Road  
Sebastopol, Ca. 95472

Re: Laboratory test results of soil texture analysis by  
Bouyoucos Hydrometry Method.

Jobsite Location 22129 Umland Circle, TimberCove. A.P. # 109-420-08 Job # 91-72

Soil Sample from: Profile "A" Depth at 24" - 30"

## Particle Analysis

Based on amount of total sample passing #10 sieve.

|        |      |
|--------|------|
| % Sand | 71.5 |
| % Silt | 13.4 |
| % Clay | 15.1 |

Based on amount of total sample by weight.

|          |     |
|----------|-----|
| % Gravel | 0.6 |
|----------|-----|

## Bulk Density Analysis

|         |      |
|---------|------|
| Db g/cc | 1.66 |
|---------|------|

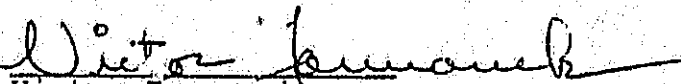
Zone Classification of Soil Percolation Suitability Chart:  
Zone Two (2).

Soil Type Sandy Loam.

Thank-you for using our laboratory services. Should you have  
further questions, please call (707) 823-2190.

Respectfully,

Huffman Engineering Laboratory

By   
Victor Formanek  
Laboratory Manager

VF:th (labform)  
91-72

SONOMA COUNTY PUBLIC HEALTH DEPARTMENT  
DIVISION OF ENVIRONMENTAL HEALTH  
1030 Center Drive, Suite A - Santa Rosa, CA 95403

SOIL PERCOLATION TEST DATA

|                                                                                              |  |                                            |  |                                                                                               |  |                      |  |
|----------------------------------------------------------------------------------------------|--|--------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|----------------------|--|
| Address of Percolation Test:<br><b>22129 UMLAND CIR</b>                                      |  | A.P. Number:<br><b>109-427-08</b>          |  | Winter Groundwater Test:                                                                      |  | "Wet Weather Perc":  |  |
| Owner's Name:<br><b>Tim. COCONAS</b>                                                         |  |                                            |  | Field Check: Yes <input type="checkbox"/> No <input type="checkbox"/> By:                     |  | Date: Time:          |  |
| Owner's Mailing Address:<br><b>1036 Pleasant Hill Rd. Sebastopol</b>                         |  |                                            |  | Review of Data:<br>Rates Acceptable: Yes <input type="checkbox"/> No <input type="checkbox"/> |  |                      |  |
| City/State/Zip Code:<br><b>SEB. CA/95472</b>                                                 |  | Telephone Number:<br><b>(707)</b>          |  | Remarks:                                                                                      |  | Receipt Information: |  |
| Water Supply:<br>Private <input type="checkbox"/> Public <input checked="" type="checkbox"/> |  | Lot or Parcel Size:<br><b>1.5</b>          |  |                                                                                               |  |                      |  |
| Test Conducted By: <b>ARA</b><br><b>HULLMAN ENGINEERS</b>                                    |  | Telephone Number:<br><b>(707) 823-2190</b> |  |                                                                                               |  |                      |  |
| Address/City/State/Zip Code:<br><b>876 GRAVENSTEIN HWY SOUTH</b>                             |  |                                            |  |                                                                                               |  |                      |  |
| Type of Soil:<br><b>MVF - MENDOCINO ENVN.</b>                                                |  | Date of Test:<br><b>09/27/91</b>           |  | Circle One: Initial Test <input type="checkbox"/> Supplemental <input type="checkbox"/>       |  | Sanitarian           |  |

| Hole No. | Depth of Hole | Pipe Length | Prosoak Remaining | Start           |                                | First Measurement |                                | Second Measurement |                                | Third Measurement |                                | Fourth Measurement |                                | Fifth Measurement |                                | Sixth Measurement |                                | RATE |
|----------|---------------|-------------|-------------------|-----------------|--------------------------------|-------------------|--------------------------------|--------------------|--------------------------------|-------------------|--------------------------------|--------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|------|
|          |               |             |                   | Time            | Inches                         | Time              | Inches                         | Time               | Inches                         | Time              | Inches                         | Time               | Inches                         | Time              | Inches                         | Time              | Inches                         |      |
| 1        | 24            | 24          | NO                | 1 <sup>00</sup> | 12 <sup>3</sup> / <sub>8</sub> | 10 <sup>00</sup>  | 17 <sup>3</sup> / <sub>8</sub> | 11 <sup>00</sup>   | 17"                            | 12 <sup>00</sup>  | 20 <sup>3</sup> / <sub>8</sub> | 1 <sup>00</sup>    | 21 <sup>1</sup> / <sub>8</sub> | 2 <sup>00</sup>   | 21 <sup>7</sup> / <sub>8</sub> | 3 <sup>00</sup>   | 22 <sup>1</sup> / <sub>2</sub> | 96   |
| 2        | 30            | 24          | NO                |                 | 11 <sup>3</sup> / <sub>8</sub> |                   | Dry                            |                    |                                |                   |                                |                    |                                |                   |                                |                   |                                | 90   |
| 3        | 30            | 24          | NO                |                 | 12 <sup>3</sup> / <sub>8</sub> |                   | 21"                            |                    | 21 <sup>1</sup> / <sub>2</sub> |                   | 21 <sup>7</sup> / <sub>8</sub> |                    | 22 <sup>1</sup> / <sub>4</sub> |                   | 20 <sup>5</sup> / <sub>8</sub> |                   | 21 <sup>1</sup> / <sub>8</sub> | 120  |
| 4        | 24            | 24          | NO                |                 | 11 <sup>1</sup> / <sub>4</sub> |                   | 16"                            |                    | 17 <sup>1</sup> / <sub>4</sub> |                   | 18 <sup>3</sup> / <sub>8</sub> |                    | 19 <sup>7</sup> / <sub>8</sub> |                   | 20 <sup>1</sup> / <sub>4</sub> |                   | 21"                            | 80   |
| 5        | 30            | 24          | NO                |                 | 8 <sup>5</sup> / <sub>8</sub>  |                   | 16 <sup>1</sup> / <sub>4</sub> |                    | 18 <sup>7</sup> / <sub>8</sub> |                   | 20 <sup>3</sup> / <sub>8</sub> |                    | 22 <sup>1</sup> / <sub>8</sub> |                   | 13"                            |                   | 16 <sup>3</sup> / <sub>8</sub> | 93   |
| 6        | 30            | 24          | NO                |                 | 11 <sup>5</sup> / <sub>8</sub> |                   | 14 <sup>1</sup> / <sub>2</sub> |                    | 15 <sup>3</sup> / <sub>4</sub> |                   | 16 <sup>5</sup> / <sub>8</sub> |                    | 17 <sup>3</sup> / <sub>8</sub> |                   | 18"                            |                   | 18 <sup>1</sup> / <sub>2</sub> | 120  |
| 7        | 24            | 24          | NO                |                 | 11                             |                   | 16 <sup>3</sup> / <sub>8</sub> |                    | 17 <sup>1</sup> / <sub>8</sub> |                   | 17 <sup>3</sup> / <sub>4</sub> |                    | 18 <sup>1</sup> / <sub>4</sub> |                   | 18 <sup>3</sup> / <sub>4</sub> |                   | 19 <sup>1</sup> / <sub>8</sub> | 160  |
| 8        | 30            | 24          | NO                |                 | 7 <sup>5</sup> / <sub>8</sub>  |                   | Dry                            |                    |                                |                   |                                |                    |                                |                   |                                |                   |                                | 13   |
| 9        | 24            | 24          | NO                |                 | 11 <sup>3</sup> / <sub>8</sub> |                   | Dry                            |                    |                                |                   |                                |                    |                                |                   |                                |                   |                                | 5    |
| 10       | 30            | 24          | NO                |                 | 11                             |                   | Dry                            |                    |                                |                   |                                |                    |                                |                   |                                |                   |                                | 7    |
| 11       | 24            | 24          | NO                |                 | 13 <sup>3</sup> / <sub>8</sub> |                   | 19 <sup>3</sup> / <sub>8</sub> |                    | 22"                            |                   | 20 <sup>1</sup> / <sub>2</sub> |                    | 21 <sup>5</sup> / <sub>8</sub> |                   | 22 <sup>3</sup> / <sub>4</sub> |                   | 18 <sup>5</sup> / <sub>8</sub> | 53   |
| 12       | 30            | 24          | NO                |                 | 11                             |                   | 21 <sup>3</sup> / <sub>8</sub> |                    | Dry                            |                   | 21 <sup>1</sup> / <sub>8</sub> |                    | 22 <sup>1</sup> / <sub>4</sub> |                   | 20 <sup>1</sup> / <sub>4</sub> |                   | 22 <sup>1</sup> / <sub>4</sub> | 30   |

SOIL PERCOLATION TEST DATA

| Hole Number | Depth of Hole | Pipe Length | Pipes Remaining | Start            |        | First Measurement |        | Second Measurement |        | Third Measurement |        | Fourth Measurement |        | Fifth Measurement |        | Sixth Measurement |        | RATE |
|-------------|---------------|-------------|-----------------|------------------|--------|-------------------|--------|--------------------|--------|-------------------|--------|--------------------|--------|-------------------|--------|-------------------|--------|------|
|             |               |             |                 | Time             | Inches | Time              | Inches | Time               | Inches | Time              | Inches | Time               | Inches | Time              | Inches | Time              | Inches |      |
| 18          | 24            | 24          | NO              | 9 <sup>00</sup>  | 12"    | 10 <sup>30</sup>  | 12 1/2 | 11 <sup>30</sup>   |        | 12 <sup>00</sup>  | +      | 1 <sup>00</sup>    | +      | 2 <sup>00</sup>   |        | 3 <sup>00</sup>   |        | 16   |
| 14          | 30            | 24          | NO              |                  | 11 1/8 |                   | 18 3/8 |                    | 17 7/8 |                   | 21"    |                    | 21 5/8 |                   | 22"    |                   | 16 7/8 | 160  |
| 15          | 24            | 24          | NO              |                  | 11 5/8 |                   | 19 5/8 |                    | 16"    |                   | 17"    |                    | 17 3/8 |                   | 18 5/8 |                   | 19 1/4 | 96   |
| 16          | 48            | 24          | NO              |                  | 11 1/8 |                   | 17 1/2 |                    | 20 1/4 |                   | 20 7/8 |                    | 21 1/2 |                   | 21 3/4 |                   | 22 1/8 | 96   |
| 17          | 54            | 24          | NO              |                  | 19 5/8 |                   | 20 3/4 |                    | 22 3/4 |                   | 20 1/8 |                    | 21 1/2 |                   | 23"    |                   | 19 3/4 | 10   |
|             |               |             |                 |                  |        |                   |        |                    |        |                   |        |                    |        |                   |        |                   |        |      |
|             |               |             |                 |                  |        |                   |        |                    |        |                   |        |                    |        |                   |        |                   |        |      |
|             |               |             |                 |                  |        |                   |        |                    |        |                   |        |                    |        |                   |        |                   |        |      |
|             |               |             |                 |                  |        |                   |        |                    |        |                   |        |                    |        |                   |        |                   |        |      |
|             |               |             |                 |                  |        |                   |        |                    |        |                   |        |                    |        |                   |        |                   |        |      |
|             |               |             |                 |                  |        |                   |        |                    |        |                   |        |                    |        |                   |        |                   |        |      |
| 2           | 20            | 24          | NO              | 10 <sup>15</sup> | 11 1/8 | 10 <sup>25</sup>  | 21 7/8 | 10 <sup>25</sup>   | 22 1/4 | 10 <sup>15</sup>  | 20 5/8 | 10 <sup>55</sup>   | 21 3/8 | 11 <sup>05</sup>  | 22"    | 11 <sup>15</sup>  | 21 1/8 |      |
|             |               |             |                 |                  |        | 11 <sup>25</sup>  | 21 1/2 | 11 <sup>35</sup>   | 22"    | 11 <sup>15</sup>  | 20 3/4 | 11 <sup>55</sup>   | 21 1/4 | 12 <sup>05</sup>  | 21 3/4 | 12 <sup>15</sup>  | 22"    | 10   |
| 8           | 35            | 24          | NO              | 10 <sup>5</sup>  | 11 1/8 | 10 <sup>20</sup>  | 18 3/4 | 10 <sup>35</sup>   | 20"    | 10 <sup>15</sup>  | 21 5/8 | 10 <sup>55</sup>   | 22"    | 11 <sup>05</sup>  | 18 1/8 | 11 <sup>15</sup>  | 18 3/4 |      |
|             |               |             |                 |                  |        | 11 <sup>25</sup>  | 19 1/4 | 11 <sup>35</sup>   | 20"    | 11 <sup>15</sup>  | 19 1/8 | 11 <sup>55</sup>   | 18 3/8 | 12 <sup>05</sup>  | 19 1/8 | 12 <sup>15</sup>  | 20 1/8 | 3    |
| 9           | 24            | 24          | NO              | 10 <sup>5</sup>  | 10 1/8 | 10 <sup>25</sup>  | 19 3/8 | 10 <sup>25</sup>   | 22"    | 10 <sup>45</sup>  | 18 1/8 | 10 <sup>55</sup>   | 21 1/8 | 11 <sup>05</sup>  | 21"    | 11 <sup>15</sup>  | 18 1/2 |      |
|             |               |             |                 |                  |        | 11 <sup>25</sup>  | 21 5/8 | 11 <sup>35</sup>   | 23 1/4 | 11 <sup>15</sup>  | 18 3/4 | 11 <sup>55</sup>   | 21 3/8 | 12 <sup>05</sup>  | 23 3/8 | 12 <sup>15</sup>  | 17 3/4 | 5    |
| 10          | 35            | 24          | NO              | 10 <sup>15</sup> | 11"    | 10 <sup>25</sup>  | 20 1/2 | 10 <sup>35</sup>   | 22"    | 10 <sup>45</sup>  | 21 3/4 | 10 <sup>55</sup>   | 22 1/4 | 11 <sup>05</sup>  | 20 1/8 | 11 <sup>15</sup>  | 21 3/4 |      |
|             |               |             |                 |                  |        | 11 <sup>25</sup>  | 22 1/4 | 11 <sup>35</sup>   | 21 1/2 | 11 <sup>15</sup>  | 22"    | 11 <sup>55</sup>   | 20 1/8 | 12 <sup>05</sup>  | 22 3/8 | 12 <sup>15</sup>  | 17 5/8 |      |
| 13          | 24            | 24          | NO              | 10 <sup>10</sup> | 12"    | 10 <sup>20</sup>  | 21 5/8 | 10 <sup>35</sup>   | 22 5/8 | 10 <sup>25</sup>  | 21 1/4 | 10 <sup>55</sup>   | 22 7/8 | 11 <sup>05</sup>  | 21 1/8 | 11 <sup>15</sup>  | 21 5/8 |      |
|             |               |             |                 |                  |        | 11 <sup>25</sup>  | 22 1/8 | 11 <sup>35</sup>   | 20 3/4 | 11 <sup>15</sup>  | 21 5/8 | 11 <sup>55</sup>   | 22 1/4 | 12 <sup>05</sup>  | 20 1/8 | 12 <sup>15</sup>  | 21 1/2 | 16   |

# HUFFMAN ENGINEERING

## SOIL PROFILES

LOCATION: 22129 Umland Circle, Timbercove  
 JOB NUMBER: 91-72

DATE: 9-91  
 A.P. NUMBER: 109-420-08

### DENSITY KEY

L • LOOSE

M • MEDIUM

D • DENSE

"A"

|    | SOIL TYPE  | "A"                      | DENSITY              | COLOR                                               | GROUNDWATER |
|----|------------|--------------------------|----------------------|-----------------------------------------------------|-------------|
| 0  | 0          |                          |                      |                                                     |             |
| 1' | 12"        | Sandy Loam               | Blocky<br>Many       | Friable                                             | 2.5yr 7/6   |
| 2' | 24"        | Sandy Clay               | structureless<br>few | Firm                                                | 2.5yr 7/8   |
| 3' | 36"<br>32" | Sandy loam to loamy sand | Common               | Friable                                             | 7.5yr 5/3   |
| 4' | 48"        |                          |                      |                                                     | 3'4" DAMP   |
| 5' | 60"        |                          |                      |                                                     |             |
| 6' | 72"        | Sandy clay loam          |                      | SOME<br>Mottling<br>2.5yr 7<br>Color of<br>Mottling |             |
| 7' | 84"        |                          |                      |                                                     |             |
| 8' | 96"        |                          |                      |                                                     |             |
| 9' | 108"       |                          |                      |                                                     |             |

# HUFFMAN ENGINEERING

## SOIL PROFILES

LOCATION 22129 Umland Circle, Timbercove DATE 9-91  
 JOB NUMBER 91-72 A.P. NUMBER 109-420-08  
 DENSITY KEY  
 L • LOOSE                      M • MEDIUM                      D • DENSE

|    | SOIL TYPE | "B"                                                     | DENSITY | COLOR                 | GROUNDWATER |
|----|-----------|---------------------------------------------------------|---------|-----------------------|-------------|
| 0' | 0"        |                                                         |         |                       |             |
| 1' | 12"       | Sandy Loam                                              |         | 10yr 7/4              | damp        |
| 2' | 24"       |                                                         |         |                       |             |
|    | 2'4"      | Wavy                                                    |         |                       |             |
| 3' | 36"       | Sandy clay loam + Sandy clay vertical streaks<br>layers |         | 10yr 6/8<br>2.5yr 7/3 | moist       |
|    |           | few                                                     |         |                       |             |
| 4' | 48"       |                                                         |         |                       |             |
| 5' | 60"       | Wavy                                                    |         |                       |             |
|    |           | Sandy loam                                              |         | 7.5yr 6/6             |             |
| 6' | 72"       |                                                         |         |                       |             |
| 7' | 84"       |                                                         |         |                       |             |
| 8' | 96"       | BOTTOM                                                  |         |                       |             |
| 9' | 108"      |                                                         |         |                       |             |

# HUFFMAN ENGINEERING

## SOIL PROFILES

LOCATION 22129 Umland Circle, Timbercove DATE 9-91  
 JOB NUMBER 91-72 A.P. NUMBER 109-420-08  
 DENSITY KEY  
 L • LOOSE                      M • MEDIUM                      D • DENSE

"C"

| SOIL TYPE                                     | DENSITY | COLOR | GROUNDWATER |
|-----------------------------------------------|---------|-------|-------------|
| 0' - 0"                                       |         |       |             |
| 1' - 12"<br>Sandy Loam                        |         |       |             |
| 2' - 24"                                      |         |       |             |
| 3' - 36"<br>Clay                      Mottled |         |       |             |
| 4' - 48"                                      |         |       |             |
| 5' - 60"<br>AVOID THIS PROFILE                |         |       |             |
| 6' - 72" ——— BOTTOM                           |         |       |             |
| 7' - 84"                                      |         |       |             |
| 8' - 96"                                      |         |       |             |
| 9' - 108"                                     |         |       |             |

BS1104

Sonoma County Public Health Department  
Environmental Health Division  
1030 Center Drive - Suite A  
Santa Rosa, CA 95402

OFFICE USE ONLY

CONTROL No. 11073

91-3318

Fee's Paid \_\_\_\_\_  
Date Paid \_\_\_\_\_  
Receipt # \_\_\_\_\_

NOTIFICATION  
TO PERFORM  
SOIL PERCOLATION TEST

PUBLIC HEALTH DEPARTMENT

SEP 24 1991

DIV. OF E.H.

Address 2212 1/2 Umfauo  
Timber Cove

A.P. No. \_\_\_\_\_

Property Owner James Cocenas

Address 8900 Barnett Valley Rd  
Sebastopol

Test Conducted by Rob Huffman

Certified by Rob Huffman

Water Supply-Private \_\_\_\_\_ Public X

Land Division Yes \_\_\_\_\_ No X

Planning Application Type/File No. \_\_\_\_\_  
Minor or Major Subdiv. # \_\_\_\_\_

Wet weather Test yes \_\_\_\_\_ no X

Wet weather ground water determination  
Yes \_\_\_\_\_ No X

NOTE: Percolation test shall be completed within 120 days.  
See Section 13 - C of Sonoma County Percolation Test Methods for Proper Notification!

Submit a plot plan showing area to be tested in relationship to property features.

09/24/91

0013420  
SEP TANK 234.00  
TTLAHT 234.00  
CHECKS 234.00  
CHANGE 0.00  
514B H2 13:40

PLEASE NOTE: INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED



Adobe  
Associates, Inc.  
Civil Engineering,  
Land Surveying &  
Land Development  
Services

June 2, 1995

Sonoma County Public Health  
1030 Center Drive  
Santa Rosa, CA 95403

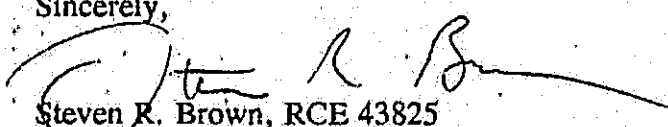
Att: Dave Donovan

re: 22129 Umland Circle

Dear Dave:

This letter is to state that we have seen the installation of the private sewage disposal system on the above mentioned property and find it to be in substantial conformance with the approved plan. If you have any questions regarding this information, please feel free to call.

Sincerely,

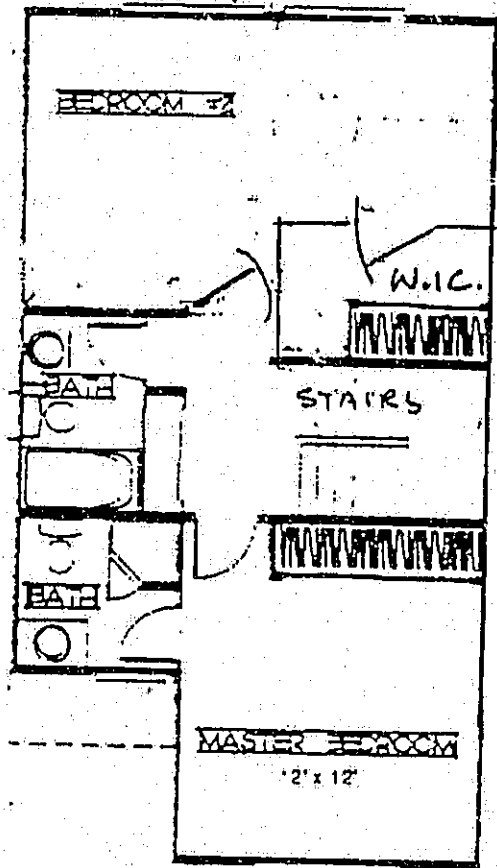
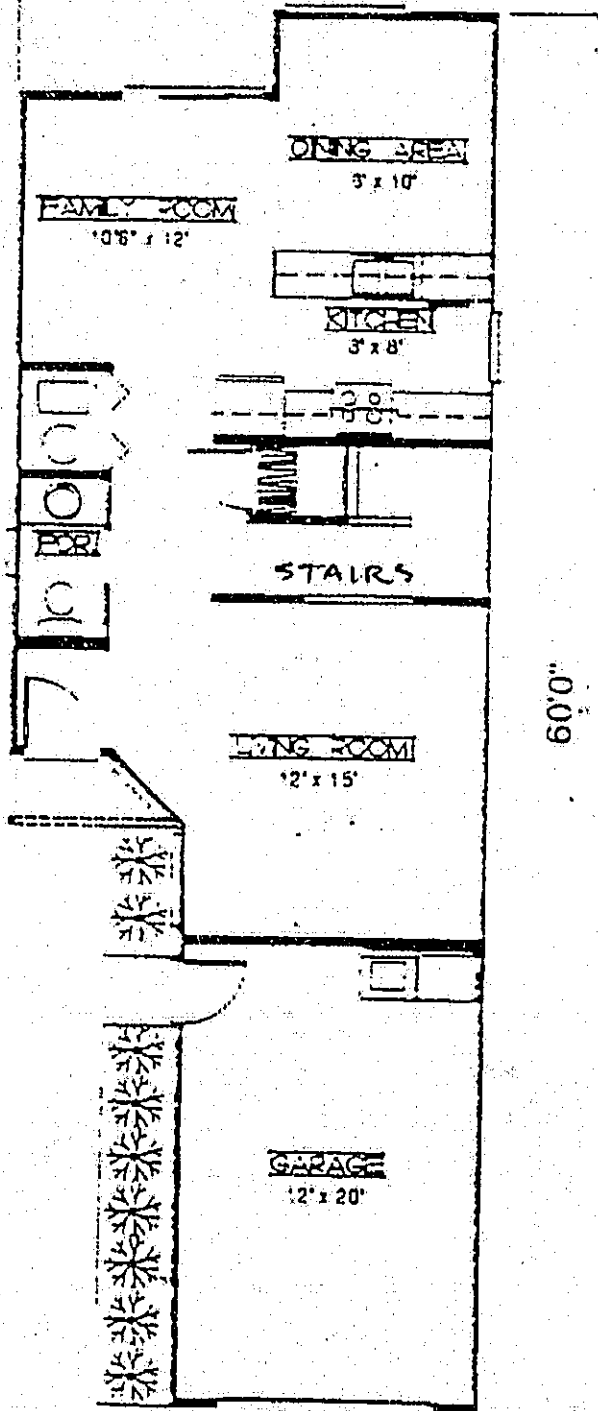
  
Steven R. Brown, RCE 43825  
my license expires 6/30/97

DEPARTMENT OF  
HEALTH SERVICES

JUN 02 1995

ENVIRONMENTAL  
HEALTH DIVISION

1142  
State Farm Drive  
Santa Rosa  
California  
95403  
707 526 2664  
Fax: 707 526 0331



PUBLIC HEALTH DEPARTMENT  
 JUN 9 1994  
 DIV. OF E.H.

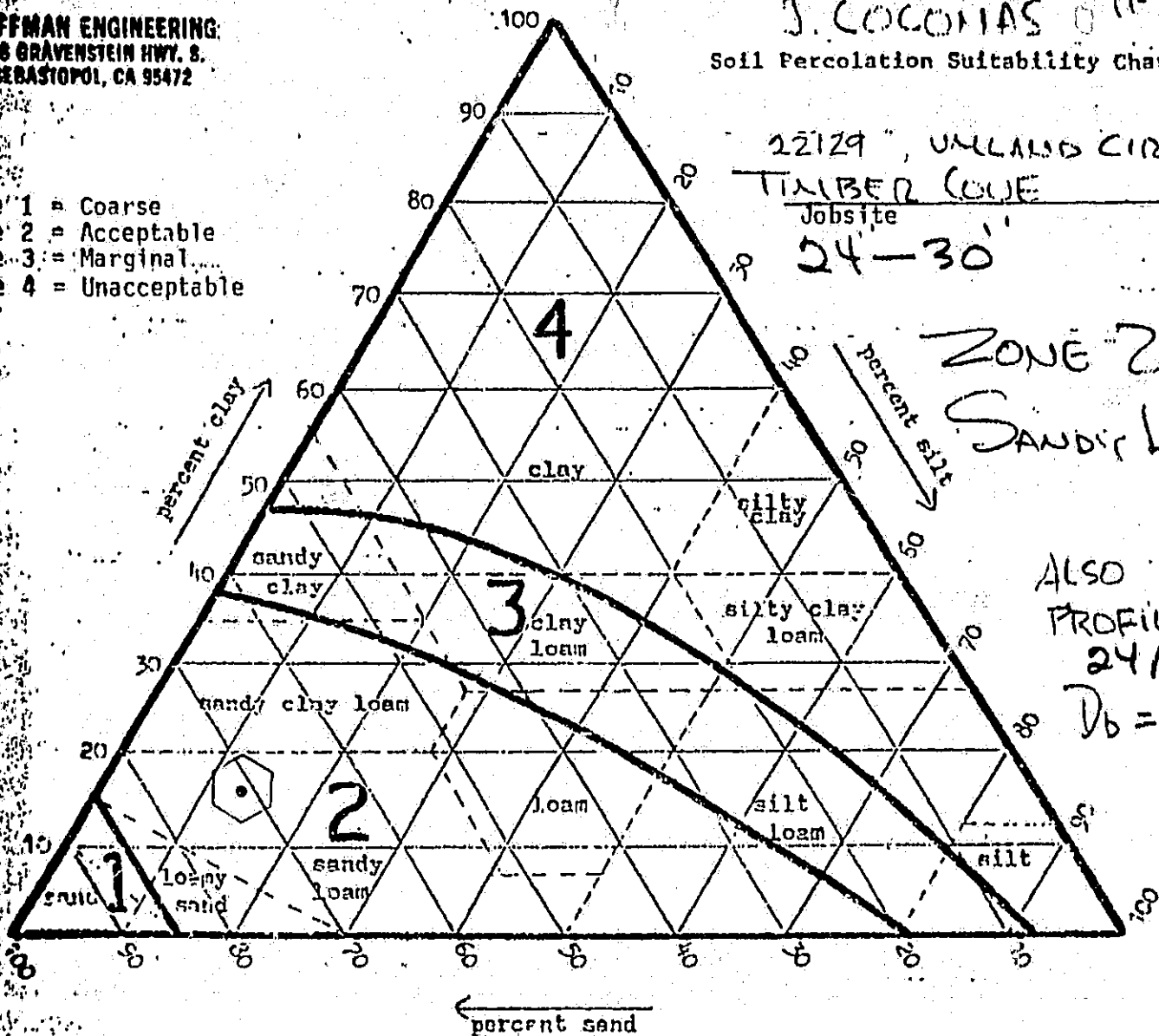
SONOMA COUNTY  
 PUBLIC HEALTH  
 DEPARTMENT  
 REVIEWED BY  
 DM DONAUA  
 6-15-94  
 DATE  
 ENVIRONMENTAL HEALTH

HUFFMAN ENGINEERING  
 678 GRAVENSTEIN HWY. S.  
 SEBASTOPOLE, CA 95472

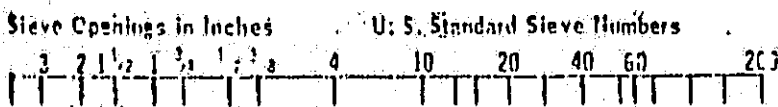
J. COCONAS 9-1-77  
 Soil Percolation Suitability Chart

- Zone 1 = Coarse
- Zone 2 = Acceptable
- Zone 3 = Marginal
- Zone 4 = Unacceptable

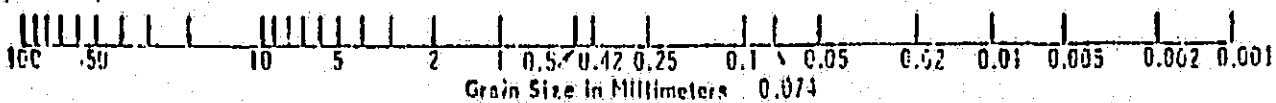
22129, UNLANS CIRCLE  
 TIMBER CREEK  
 Jobsite  
 24-30'



ALSO PROFILE "A"  
 24/30"  
 $D_b = 1.66$



|      |        |             |        |        |      |      |      |
|------|--------|-------------|--------|--------|------|------|------|
| USDA | GRAVEL | SAND        |        |        |      | SILT | CLAY |
|      |        | Very Coarse | Coarse | Medium | Fine |      |      |



**Instructions:**

1. Plot texture on triangle based on percent sand, silt, and clay as determined by hydrometer analysis.
2. Adjust for coarse fragments by moving the plotted point in the sand direction an additional 2% for each 10% (by volume) of fragments greater than 2mm in diameter.
3. Adjust for compactness of soil by moving the plotted point in the clay direction an additional 15% for soils having a bulk density greater than 1.7 gm/cc.

**Notes:** For soils falling in sand, loamy sand or sandy loam classification bulk density analysis will generally not affect suitability and analysis not necessary.

**ADOBE ASSOCIATES, INC.**  
 Civil Engineering, Land Surveying and Planning  
 1142 State Farm Drive  
 SANTA ROSA, CALIFORNIA 95403  
 (707) 526-2664  
 FAX (707) 526-0331

JOB 93120  
 SHEET NO. 1 OF 5  
 CALCULATED BY: B DATE 6-8-94  
 CHECKED BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 SCALE \_\_\_\_\_

ADDRESS: 22129 Umland Circle  
 AP 109-420-08

**CALCULATIONS FOR PRESSURE-DISTRIBUTION  
 PRIVATE SEWAGE DISPOSAL SYSTEM**

PERC TEST DATE: 9-27-91, Huffman Engineering  
 AVG. PERC RATE (Holes 1-5, 8-12): 49 MPI  
 ABSORPTION RATE: 0.423 GAL/SF/DAY  
 BEDROOMS: 2

PUBLIC HEALTH DEPARTMENT  
 JUN 9 1994  
 DIV. OF E.H.

**SIZE LEACH FIELD:**

$(120 \text{ gpd/bdrm}) / 0.423 \text{ gal/sf/day} = 283.7 \text{ sf}$   
 $283.7 \text{ sf} / 3 \text{ sf/lf} = 94.6 \text{ say } 95 \text{ lf/bdrm}$   
 $2(95) = 190 \text{ lf Primary}$   
 $2(190) = 380 \text{ lf Total to be installed}$   
 in Dual Fields

**DISTRIBUTION SYSTEM:**

Max. lateral length = 65 lf  
 Lateral diameter = 1-1/2" (1-1/4" in the 40 & 45 lf lines)  
 Hole size = 3/16"  
 Hole spacing = 30" o.c.

| Holes/lateral                                              | Q                 |
|------------------------------------------------------------|-------------------|
| 26/65 lf                                                   | 19.6 gals         |
| 24/60 lf                                                   | 18.1 gals         |
| 16/40 lf                                                   | 12.1 gals         |
| 13/45 lf                                                   | 13.6 gals         |
| Total Q = $(190 \text{ lf} / 2.5) 0.754 \text{ gals/hole}$ |                   |
|                                                            | = 57.3 say 60 gpm |

**SIZE PUMP:**

Capacity = 60 gpm

**Head losses:**

Elev. head:  
 At pump = 95'  
 At high point = 105'  
 At distal end = 2.5'  
 Total elev. head =  $105' - 95' + 2.5'$   
 = 12.5'

Friction head:

2" pressure line (50 lf)  
 & gate diversion valve (1.2 lf)  
 Head = (50 lf + 1.2 lf) (6.60' / 100')  
 = 3.4'

2" fittings in sump:

90° ell = 5.5 l.f.  
 Ch. vlv. = 17.2 l.f.  
 Gate vlv. = 1.4 l.f.  
 45° ells = 2.8 l.f.  
 [5.5 + 17.2 + 1.4 + 2(2.8)] (6.60' / 100')  
 = 2.0'

Pressure line thru manifolds

Avg gpm = 60 gpm @ entry + 13.6 gpm  
 = at top line / 2  
 = 37 say 40 gpm  
 Loss 2" = 37 lf (3.11' / 100')  
 = 1.1'

Tees & ells

flo thru = 4 lf  
 side flo = 12 lf  
 (4) (6.60' / 100') + (4) (3.11' / 100')  
 + (4) (1.81' / 100') + (4) (0.52' / 100')  
 = 0.5'  
 (12 lf) (0.73' / 100') + 12 (0.36' / 100')  
 (12) (0.44' / 100') (2)  
 = 0.2'  
 Total = 0.7'

Reducers, valves, laterals

Reducer = 2 l.f.  
 GV 3/4 opn = 4 l.f.  
 Laterals: since H=0 at end,  
 assume 1/2 lateral length.

Field A:

60': (2+4+60'/2) (2.48' / 100') (1 lateral) = 0.9'  
 40': (2+4+40'/2) (2.61' / 100') (1 lateral) = 0.7'  
 45': (2+4+45'/2) (3.20' / 100') (2 laterals) = 1.8'  
 Total = 3.4'

Field B:

60': (2+4+60'/2) (2.48' / 100') (1 lateral) = 0.9'  
 65': (2+4+65'/2) (2.84' / 100') (2 laterals) = 2.2'  
 Total = 3.1'  
 Use 3.4'

Total friction head = 3.4' + 2.0' + 1.1' + 0.7' + 3.4' = 10.6'

ADOBE ASSOCIATES, INC.  
Civil Engineering, Land Surveying and Planning  
1142 State Farm Drive  
SANTA ROSA, CALIFORNIA 95403  
(707) 526-2664  
FAX (707) 526-0331

JOB 93120  
SHEET NO 3 OF 5  
CALCULATED BY \_\_\_\_\_ DATE 6.8.94  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
SCALE \_\_\_\_\_

Total Head =  $10.6' + 12.5' = 23.1$  say 25'

FOR 60 GPM AT 25' TOTAL HEAD, USE GOULD 3885 WE07 3/4 HP PUMP

SIZE DOSE

For 2 bedrooms, 75 gallons per dose recommended by Winconsin,  
or use 7 to 10 times volume of laterals

Field A:

Volume 1-1/4" =  $(0.064 \text{ gal/l.f.})(85 \text{ l.f.})$   
= 5.4 gallons

VOLUME 1-1/2" =  $(0.092 \text{ gal/l.f.})(60 \text{ l.f.})$   
= 5.5 gallons

7(5.4+5.5) = 76.3 gallons

10(5.4+5.5) = 109 gallons

Field B:

VOLUME 1-1/2" =  $(0.092 \text{ gal/l.f.})(190 \text{ l.f.})$   
= 17.5 gallons

7(17.5) = 122.5 gallons

10(17.5) = 175 gallons

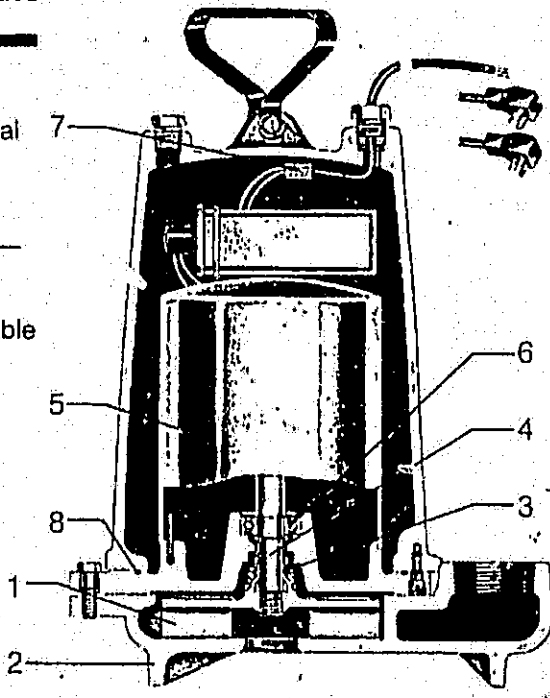
Dose = 125 gallons min.

[77,4]pdcl.c.wrt  
11-3-93

# Goulds Sheet 4 of 5 Submersible Effluent Pumps 6-8-94

## FEATURES

1. Impeller
2. Casing
3. Mechanical Seal
4. Shaft
5. Motor
6. Bearings — Upper & Lower
7. Power Cable
8. O-Ring



## MODEL

# 3885

### PERFORMANCE RATINGS In gallons per minute

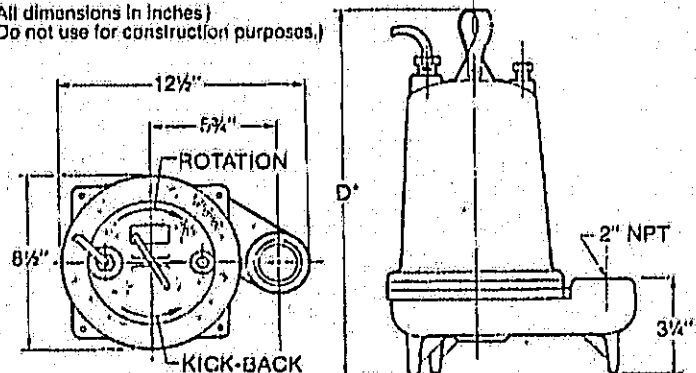
| Series No.                 | WE0311L |         | WE0311M |         | WE0511H |         | WE0712H |         | WE1012H |         | WE1512H  |          | WE0511HH |          | WE1512HH |       |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|-------|
|                            | WE0312L | WE0312M | WE0532H | WE0534H | WE0732H | WE0734H | WE1032H | WE1034H | WE1532H | WE1534H | WE0532HH | WE0534HH | WE1532HH | WE1534HH |          |       |
| HP                         | 1/3     | 1/3     | 1/2     | 1/2     | 3/4     | 3/4     | 1       | 1       | 1 1/2   | 1 1/2   | 3/4      | 3/4      | 1 1/2    | 1 1/2    | 1 1/2    | 1 1/2 |
| RPM                        | 1750    | 1750    | 3500    | 3500    | 3500    | 3500    | 3500    | 3500    | 3500    | 3500    | 3500     | 3500     | 3500     | 3500     | 3500     | 3500  |
| Total Head — Feet of Water | 5       | 100     | 70      | 80      | 90      | 106     | 114     | 55      | 83      | —       | —        | —        | —        | —        | —        | —     |
|                            | 10      | 80      | 65      | 76      | 87      | 102     | 111     | 55      | 83      | —       | —        | —        | —        | —        | —        | —     |
|                            | 15      | 60      | 57      | 71      | 83      | 98      | 108     | 48      | 77      | —       | —        | —        | —        | —        | —        | —     |
|                            | 20      | 36      | 45      | 65      | 78      | 94      | 104     | 48      | 77      | —       | —        | —        | —        | —        | —        | —     |
|                            | 25      |         | 26      | 59      | 73      | 89      | 100     | 39      | 72      | —       | —        | —        | —        | —        | —        | —     |
|                            | 30      |         |         | 50      | 67      | 84      | 96      | 39      | 72      | —       | —        | —        | —        | —        | —        | —     |
|                            | 35      |         |         | 40      | 61      | 79      | 91      | 30      | 66      | —       | —        | —        | —        | —        | —        | —     |
|                            | 40      |         |         | 26      | 52      | 72      | 86      | 30      | 66      | —       | —        | —        | —        | —        | —        | —     |
|                            | 45      |         |         | 10      | 43      | 64      | 79      | 18      | 60      | —       | —        | —        | —        | —        | —        | —     |
|                            | 50      |         |         |         | 30      | 54      | 72      | 18      | 60      | —       | —        | —        | —        | —        | —        | —     |
|                            | 55      |         |         |         | 17      | 42      | 63      | 3       | 54      | —       | —        | —        | —        | —        | —        | —     |
|                            | 60      |         |         |         | 6       | 28      | 53      | 3       | 54      | —       | —        | —        | —        | —        | —        | —     |
| 65                         |         |         |         |         | 16      | 40      |         | 47      | —       | —       | —        | —        | —        | —        | —        |       |
| 70                         |         |         |         |         | 5       | 26      |         | 47      | —       | —       | —        | —        | —        | —        | —        |       |
| 75                         |         |         |         |         |         | 14      |         | 40      | —       | —       | —        | —        | —        | —        | —        |       |
| 80                         |         |         |         |         |         | 4       |         | 33      | —       | —       | —        | —        | —        | —        | —        |       |
| 90                         |         |         |         |         |         |         |         | 24      | —       | —       | —        | —        | —        | —        | —        |       |
| 100                        |         |         |         |         |         |         |         | 15      | —       | —       | —        | —        | —        | —        | —        |       |
| 110                        |         |         |         |         |         |         |         | 4       | —       | —       | —        | —        | —        | —        | —        |       |
| 120                        |         |         |         |         |         |         |         |         | —       | —       | —        | —        | —        | —        | —        |       |

## MODELS

| Series   | HP    | Volts   | Phase | Max. Amps. | RPM  | Solids | Weight (Lbs.) |
|----------|-------|---------|-------|------------|------|--------|---------------|
| WE0311L  | 1/3   | 115     | 1     | 9.4        | 1750 | 3/4"   | 56            |
| WE0312L  | 1/3   | 230     | 1     | 4.7        | 1750 | 3/4"   | 56            |
| WE0311M  | 1/3   | 115     | 1     | 9.4        | 1750 | 3/4"   | 56            |
| WE0312M  | 1/3   | 230     | 1     | 4.7        | 1750 | 3/4"   | 56            |
| WE0511H  | 1/2   | 115     | 1     | 13.0       | 3500 | 3/4"   | 60            |
| WE0512H  | 1/2   | 230     | 1     | 6.5        | 3500 | 3/4"   | 60            |
| WE0532H  | 1/2   | 208/230 | 3     | 3.4        | 3500 | 3/4"   | 60            |
| WE0534H  | 1/2   | 460     | 3     | 1.7        | 3500 | 3/4"   | 60            |
| WE0511HH | 1-1/2 | 115     | 1     | 13.0       | 3500 | 3/4"   | 60            |
| WE0512HH | 1-1/2 | 230     | 1     | 6.5        | 3500 | 3/4"   | 60            |
| WE0532HH | 1-1/2 | 208/230 | 3     | 3.3        | 3500 | 3/4"   | 60            |
| WE0534HH | 1-1/2 | 460     | 3     | 1.7        | 3500 | 3/4"   | 60            |
| WE0712H  | 3/4   | 230     | 1     | 9.0        | 3500 | 3/4"   | 70            |
| WE0732H  | 3/4   | 208/230 | 3     | 5.4        | 3500 | 3/4"   | 70            |
| WE0734H  | 3/4   | 460     | 3     | 2.7        | 3500 | 3/4"   | 70            |
| WE1012H  | 1     | 230     | 1     | 11.6       | 3500 | 3/4"   | 70            |
| WE1032H  | 1     | 208/230 | 3     | 6.4        | 3500 | 3/4"   | 70            |
| WE1034H  | 1     | 460     | 3     | 3.2        | 3500 | 3/4"   | 70            |
| WE1512H  | 1 1/2 | 230     | 1     | 13.3       | 3500 | 3/4"   | 70            |
| WE1532H  | 1 1/2 | 208/230 | 3     | 9.2        | 3500 | 3/4"   | 70            |
| WE1534H  | 1 1/2 | 460     | 3     | 4.6        | 3500 | 3/4"   | 70            |
| WE1512HH | 1 1/2 | 230     | 1     | 13.3       | 3500 | 3/4"   | 70            |
| WE1532HH | 1 1/2 | 208/230 | 3     | 9.2        | 3500 | 3/4"   | 70            |
| WE1534HH | 1 1/2 | 460     | 3     | 4.6        | 3500 | 3/4"   | 70            |

## DIMENSIONS

(All dimensions in inches)  
(Do not use for construction purposes.)



D\* 1/3, 1/2, 3/4 and 1 HP = 15" except for model WE0712H & WE1012H = 18";  
1 1/2 HP = 18"

Available Certifications: Canadian Standards Association

Pennsylvania Bureau of Mines for non-face applications — BOTE 91.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. PRINTED IN U.S.A.

## EFFLUENT EJECTOR SYSTEM

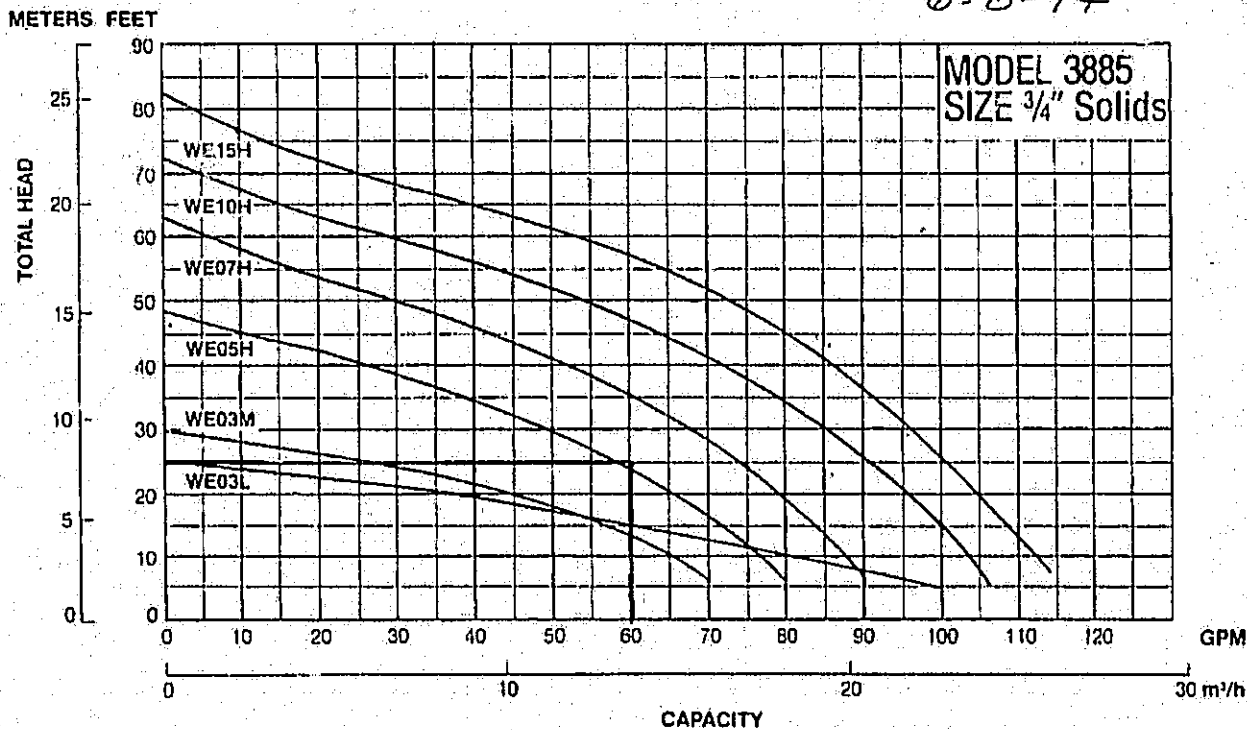
Effluent ejector system offers ease of ordering and installation. A single ordering number specifies a complete system designed for most residential and commercial stump and effluent pump applications.



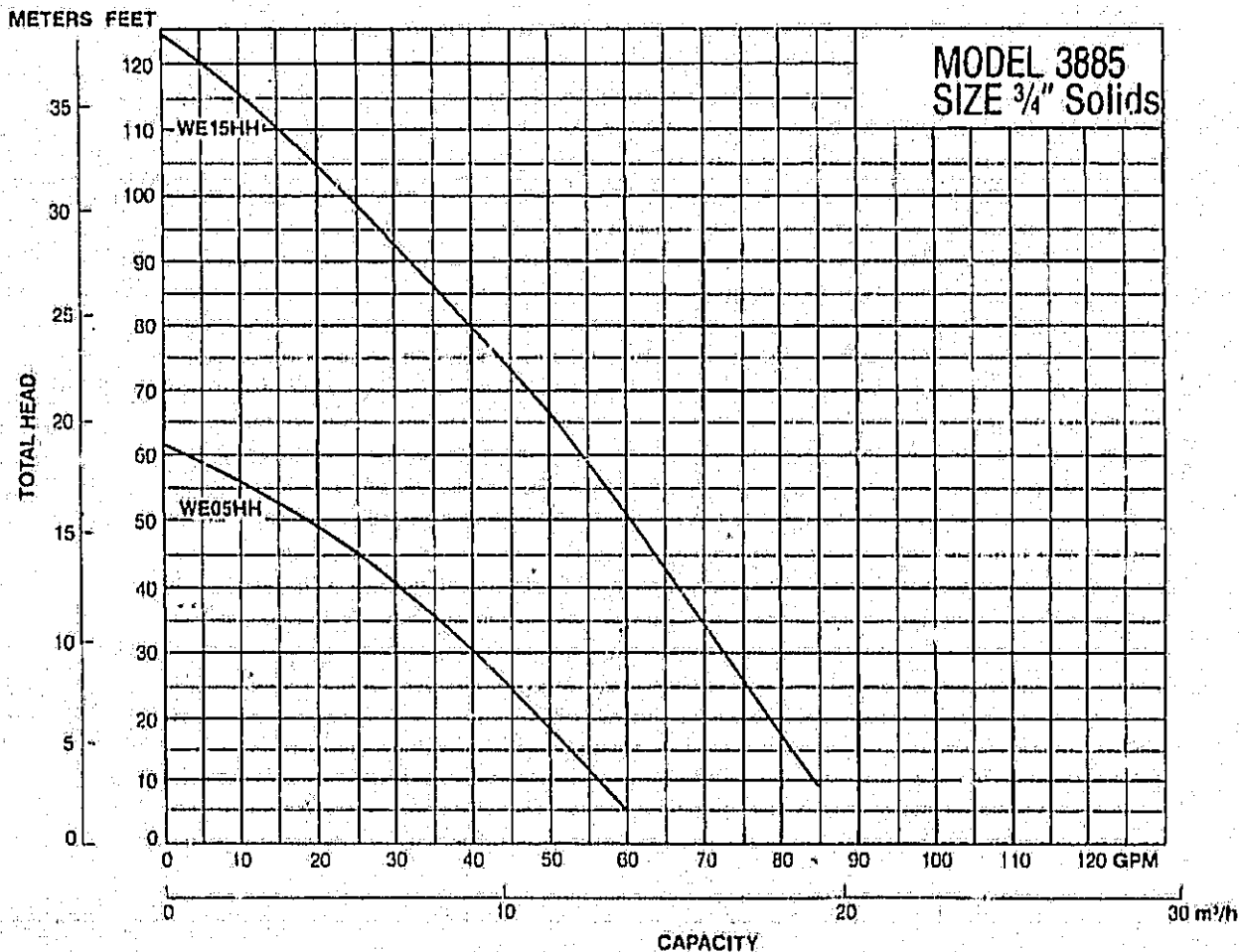
# Performance Curves

# Submersible Effluent Pumps

93/20  
Sheet 5 of 5  
6-8-94



GOULDS PUMPS, INC.  
SENECA FALLS, NEW YORK 13156



*file*



# Notice of Final Action Coastal Permit

**Sonoma County Permit and Resource Management Department**  
575 Administration Drive, Room 105-A, Santa Rosa, CA 95403  
(707) 527-1900 FAX (707) 527-1103

Date: August 2, 1994

File CP 94-373 CP# 300  
Applicant: John Scoggins  
Address: 21985 Timber Cove Road  
City, State, Zip: Jenner, CA 95450

AUG 04 1994

Planner: Kathi Jacobs

D.W. OF E.H.

This notice is being distributed to the Coastal Commission and those who requested notice. The following project is located within the Coastal Zone. A project decision has been completed.

Project Description: Construction of a 1,300 square foot residence with attached garage on 1.5 acres.

Project Location: 22129 Umland Circle, Jenner (Timber Cove)

Assessor's Parcel Number: 109-420-08

DENIED

APPROVED by the Planning Director on August 2, 1994

Conditions of approval:

See attached.

Findings:

The project is consistent with policy of the Coastal Plan and the Coastal Act.

Not appealable to the Coastal Commission

Appealable. The decision may be appealed in writing to the State Coastal Commission within ten (10) working days. (Local appeal to the Board of Supervisors must be accomplished first.)

Address:  
California Coastal Commission  
45 Fremont Street, Suite 2000  
San Francisco, CA 94105-2219

County of Sonoma  
Department of Health Services  
Environmental Health Division  
1030 Center Drive, Suite A, Santa Rosa, CA 95403-2087  
(707) 525-8300

SEPTIC SYSTEM INSPECTION

Site Address: 22127 Humboldt Circle  
Owner: Scoggie

REQUEST FOR INSPECTION

Date of call 10-7-74 Time 2:15  
Caller \_\_\_\_\_  
Phone No. of caller \_\_\_\_\_  
Remarks: \_\_\_\_\_

Call taken by \_\_\_\_\_

INSPECTION NOTICE

- Stop work immediately-Call Sanitarian  
Telephone \_\_\_\_\_ Hours \_\_\_\_\_
- OK to cover leachfield  tank
- Provide Engineer's letter of approval
- Provide "As Built" plan to scale
- Call for inspection on pump and alarm
- Corrections needed, see "Remarks"
- OK to cover with Engineer's OK
- Issue Operational Permit

For further information call \_\_\_\_\_

Hours and Day \_\_\_\_\_

Remarks: ① Septic test O.K.  
② Remove spouts, turn pipe, rock,  
manhole, and cover.  
③ Place riser on septic tank.  
④ Need monitoring wells  
Need to do water tightness  
test & test riser, alarm,  
& alarm box - At final.  
Need to cover leach field  
Permit

Signature [Signature] 10.7.74  
Sanitarian date

Received [Signature]  
Contractor

Posted

County of Sonoma  
Department of Health Services  
Environmental Health Division  
1030 Center Drive, Suite A, Santa Rosa, CA 95403-2067  
(707) 525-6500

SEPTIC SYSTEM INSPECTION

Site Address: 27129 Umland Cir

Owner: \_\_\_\_\_

REQUEST FOR INSPECTION

Date of call \_\_\_\_\_ Time \_\_\_\_\_

Caller: \_\_\_\_\_

Phone No. of caller \_\_\_\_\_

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Call taken by \_\_\_\_\_

INSPECTION NOTICE

Stop work immediately—Call Sanitarian  
Telephone \_\_\_\_\_ Hours \_\_\_\_\_

- OK to cover leachfield  tank
- Provide Engineer's letter of approval
- Provide "As Built" plan to scale
- Call for inspection on pump and alarm
- Corrections needed, see "Remarks"
- OK to cover with Engineer's OK
- Issue Operational Permit

For further information call \_\_\_\_\_

Hours and Day \_\_\_\_\_

Remarks: 1) cover sch 40 elec conduit  
2) Provide gas tight to conduit  
sump to J-box 3) Provide  
anti siphon hole above pump

Signature DM DONAVAN 5-31-95  
Sanitarian date

Received [Signature]  
Contractor

Posted

LAND USE  
REQUEST FOR ACTION

Date 6-2-95 District 5

Name of Owner Scoggins

Property Address 32129

Mailing Address 21985 TIMBER COVE RD

Previous Owner \_\_\_\_\_

- |                                              |                                                        |                                                     |                                    |
|----------------------------------------------|--------------------------------------------------------|-----------------------------------------------------|------------------------------------|
| <input checked="" type="checkbox"/> Clerical | <input checked="" type="checkbox"/> Issue permit       | <input type="checkbox"/> Hold permit (reason) _____ | <input type="checkbox"/> A/D _____ |
| <input type="checkbox"/> G # _____           | <input type="checkbox"/> Revoke permit (reason) _____  |                                                     |                                    |
| <input type="checkbox"/> Acct Clk            | <input type="checkbox"/> Invoice _____                 | <input type="checkbox"/> Reason _____               |                                    |
| <input type="checkbox"/> Computer            | <input type="checkbox"/> Invoice \$55.                 | Date Violation reinspection _____                   |                                    |
|                                              | <input type="checkbox"/> Delete invoice (reason) _____ |                                                     |                                    |
|                                              | <input type="checkbox"/> Other (specify) _____         |                                                     |                                    |

Requested by DMONAHAN Approved by \_\_\_\_\_

GRANTEE  
COUNTY OF SONOMA

CERTIFICATE OF ACCEPTANCE (Government Code 27281)

This is to certify that the interest in real property conveyed above is hereby accepted by the undersigned officer or agent on behalf of the County of Sonoma, pursuant to authority conferred by Resolution No. 89-1716 of the Board of Supervisors of the County of Sonoma adopted on September 12, 1989, and the grantee consents to recordation thereof by its duly authorized officer.

Dated: June 29, 19 89

Jonathan J. Krug

Mark Kostielney, Director, Public Health Department or  
Jonathan J. Krug, Director, Environmental Health Division



*mailed 7/12/94*

**COUNTY OF SONOMA**  
**PUBLIC HEALTH DEPARTMENT**  
**ENVIRONMENTAL HEALTH SERVICES**

MARK A. KOSTIELNEY  
Director of Public Health  
GEORGE R. FLORES, M.D.  
Health Officer

1030 CENTER DRIVE, SUITE A • SANTA ROSA • CALIFORNIA 95403-2067 • TELEPHONE (707) 525-6500

DATE: July 11, 1994  
TO: Sonoma County Planning Department ATT: Kathi Jacobs  
FROM: Sonoma County Division of Environmental Health  
SUBJECT: Coastal Permit

Project #: CP 94-373  
Name: John C. Scoggins  
Location: 22129 Umland Circle  
A.P. No. 109-420-008  
Purpose: Single family residence

1. The application has been reviewed by this Division:
  - a. (x) If this application is approved, it is recommended it be subject to the following conditions:
    1. Install septic system in conformance with the septic system permit which has been issued by this division.
    2. Water is to be by connection to the Timber Cove Mutual Water System.

*Mike Treinen*  
MIKE TREINEN, R.E.H.S.  
Supervising Environmental Health Specialist

MT/kd

CC: Applicant  
Dave Donovan  
Nancy Lingafeldt

#11073

SONOMA COUNTY PUBLIC HEALTH DEPARTMENT  
1030 Center Drive, Suite A - Santa Rosa, CA 95403  
(707) 525-6500

INNOVATIVE SEWAGE DISPOSAL SYSTEM  
OPERATIONAL PERMIT APPLICATION

Application is made for an Operational Permit in compliance with Sonoma County Code, Chapter 24.

PRINT or TYPE:

PROPERTY ADDRESS: 22129 Umland Circle

ASSESSORS PARCEL NUMBER: 109-420-08

OWNER(S) NAME(S): J. Chris Scoggins

OWNER MAILING ADDRESS: 21985 Timber Cove Road

Jenner, CA ZIP 95450

OWNER(S) TELEPHONE NUMBER: \_\_\_\_\_

APPLICATION FOR YEAR 1993 FEE ENCLOSED: \$ 190.00

Fees are not prorated. Permits are issued for one year and are valid until suspended or revoked for good cause. Permits valid for two or three years may be issued based upon conditions found on the reverse of this page.

I (we) understand that the permit is valid for one year unless conditions allow for a permit of two or three years as approved by the Public Health Department. Permits are not transferable upon change of ownership. I (we) agree to operate in compliance with all applicable state or county codes and the rules and regulations promulgated by the County Public Health Officer including, but not limited to, performance of self-monitoring inspection on the sewage disposal system for which this Operational Permit is applied.

DATE: \_\_\_\_\_ SIGNATURE(S): J. Chris Scoggins

001342D  
SEW TANK 190.00  
TTLANT 190.00  
CHECKS 190.00  
CHANGE 0.00  
295B #2 6:43

ORIGINAL APPLICATION  CHANGE OF OWNERSHIP  RENEWAL   
Date of Change \_\_\_\_\_

Applicant: Answer all questions completely; sign and date above; retain yellow copy and submit top copy with payment to the Sonoma County Public Health Department.



COUNTY OF SONOMA  
PUBLIC HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

MARK A. KOSTIELNEY  
Director of Public Health  
GEORGE R. FLORES, M.D.  
Health Officer

1030 CENTER DRIVE, SUITE A • SANTA ROSA • CALIFORNIA 95403-2067 • TELEPHONE (707) 525-6500

HOMEOWNER'S STATEMENT

(To accompany application for Private Sewage Disposal Permit)

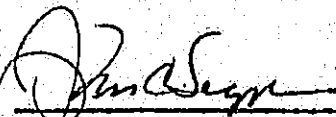
I certify that I am the owner of the property located at \_\_\_\_\_  
22129 Umland Circle

A.P. # 109-420-08, and that I personally will purchase  
all materials and perform all work in construction of the private sewage disposal  
system covered by the attached application, or shall employ a licensed sewage  
disposal system contractor to perform such work.

SIGNED

ADDRESS

DATED



20085 Timber Cove Rd

Tennis 95450 (CA)

5-27-94

Mailed 2-21-92



**COUNTY OF SONOMA  
PUBLIC HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES**

MARK A. KOSTIELNEY  
Director of Public Health  
GEORGE R. FLORES, M.D.  
Health Officer

1030 CENTER DRIVE, SUITE A • SANTA ROSA • CALIFORNIA 95403-2067 • TELEPHONE (707) 525-6500

HE

Date 2-14-92

EH-097

876 Gruenstein Hwy  
Seb Ca 95472

\* 11-5-93: Lets have  
a look at Lot E  
its drainage *JZ*

Subject: **SOILS PERCOLATION TESTING**

A.P.# 109  
Address: 22129 Umland Cir  
Name: J Coconas

Your soil percolation test report for the subject property has been reviewed and preliminary evaluations of the data indicate the potential for an alternative sewage disposal system within the innovative program.

The site is acceptable to install an R.E.H.S. or R.C.E. designed PD

\* 11-5-93 OK to split difference from Pt 5 to 7

Site investigation should be arranged with the undersigned to further evaluate the site to install a R.E.H.S. or R.C.E. designed \_\_\_\_\_

\* Please notify all concerned that septic permits will not be issued until community water system is in compliance w/Health & safety code - ch. 7.

\_\_\_ Please complete a site survey form, submit required fee, and arrange for a site evaluation.

Please call the undersigned at (707) 525 6506 for further informations.

Sincerely,

DM DONOVAN R.E.H.S.

Enclosure: ~~Request for Service form~~ Letter

White copy - Owner      Yellow copy - Office      Pink copy - Engineer

BS1  
10/2/91  
ID-11073  
91-2984

N  
mailed 9-10-91  
**REQUEST FOR SERVICE**  
COUNTY OF SONOMA  
ENVIRONMENTAL HEALTH DIVISION  
PUBLIC HEALTH DEPARTMENT

Recheck Date  
/ / 19

|                                                                                     |                                                                                                       |                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------|
| Location of Service<br>22129 Unland Timber Cove                                     | By                                                                                                    | Date<br>8/29/91 |
| Person Requesting Service<br>Rob Huffman                                            | Phone No. of Person Requesting Service<br>823-2190                                                    |                 |
| Address of Person Requesting Service<br>876 GRAVENSTEIN Hwy<br>Sebastopol Ca. 95472 | Owner or Agent to be Contacted<br>James G. Coconas<br>8900 Barnett Valley Rd<br>Sebastopol, Ca. 95472 |                 |

For office use only  
Property No.

SANITARIAN

Request Classification

A. Complaint  
 B. Consultation  
 C. Approval  
 D. Other

Person Requesting Service

1. Tenant  
 2. Neighbor  
 3. Owner or Mgr.  
 4. Official Agency  
 5. Anonymous  
 6. Other

Disposition

A. Clear  
 B. Follow Up  
 C. Referral  
 D. H.O.H.  
 E. D.A.H.  
 F. Court  
 G. No Violation  
 H. Other

Profile Inspection

• REPORT OF INVESTIGATION •

A pre-perc site survey was made at 22139 Unland Circle on Sept. 3, 1991. See Profile Field Notes for soil descriptions. Possible shallow trench pressure distribution system, perc testing to be run at 24-30" and at 48-52" to demonstrate depth of soil below trench bottom; depth of testing depending on slope. 10 ft. setback req'd to large trees, hydrometer analysis w/ bulk density req'd, 100 ft. setback req'd to swale/wet area, minor swale may be redirected and filled to reduce setback to area of existing minor swale to 15 ft. Zone 4 - proof of water availability req'd.

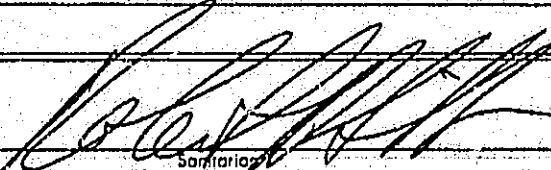
Census Tract    District

Duration

1. 1-15  
 2. 16-30  
 3. 31-45  
 4. 46-1 hr.  
 5. 1:01-1:15  
 6. 1:16-1:30  
 7. 1:31-1:45  
 8. 1:46-2 hrs.  
 9. 2:01 and over

TOTAL VIOLATIONS

001342D  
BEP TANK 170.00  
TTLAMT 170.00  
CHECKS 170.00  
CHANGE 0.00  
08/29/91 625R #2 8:13

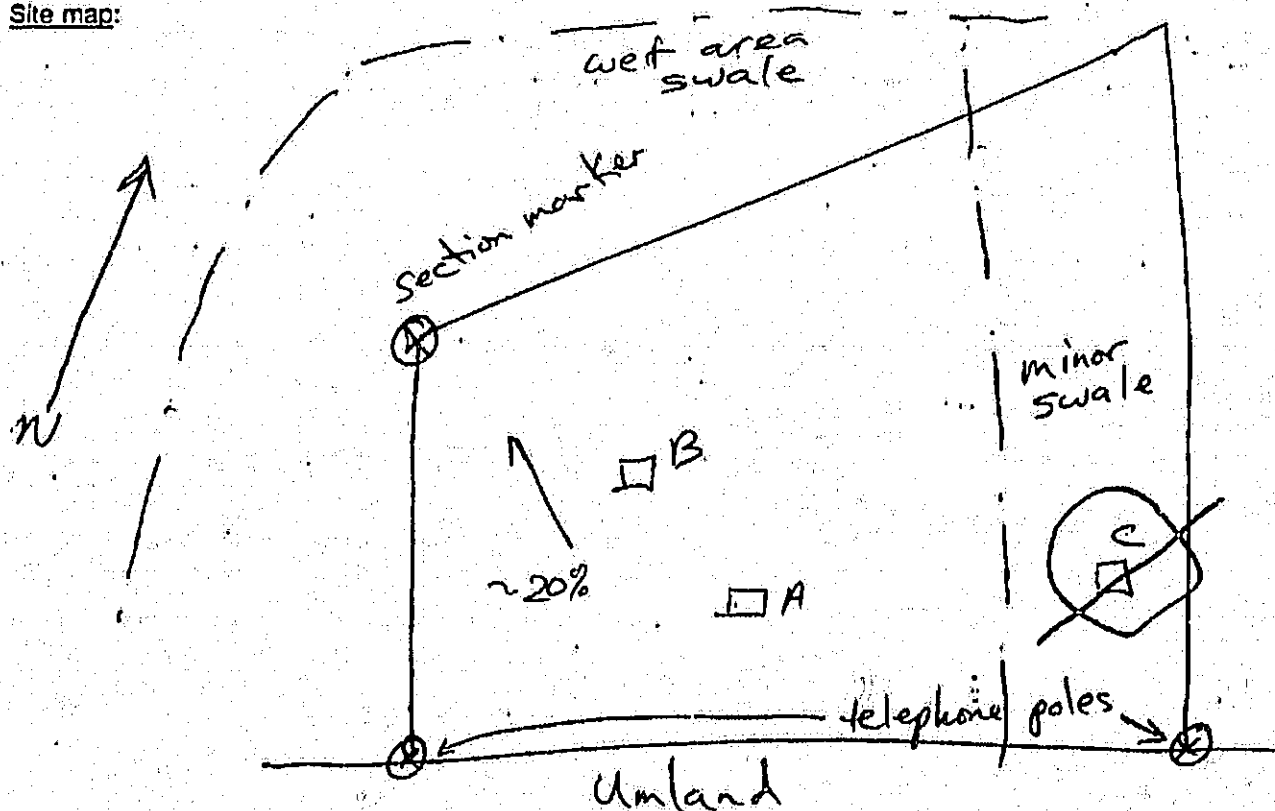
  
Sanitarian

9/6/91  
Date  
PINK: Upper section to person requesting service (when appropriate)  
Lower section to owner or occupant

SONOMA COUNTY PUBLIC HEALTH DEPARTMENT  
Pre-Perc Field Notes

|                                                                                                                                                                                                                                     |                                                                                                  |                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Address: 22139 Ukland Circle                                                                                                                                                                                                        | Pre-perc date: 9/3/91                                                                            | Time:                                                                      |
| AP#: lot 52                                                                                                                                                                                                                         | Site review by: Swift                                                                            |                                                                            |
| Test conducted by: Rob Huffman                                                                                                                                                                                                      | Subdivision: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                 | Initial <input checked="" type="checkbox"/> Supp. <input type="checkbox"/> |
| Test verified by: Same                                                                                                                                                                                                              | Water availability zone: 4                                                                       |                                                                            |
| Special standards area:                                                                                                                                                                                                             | SCS soil type: Rohnerville loam                                                                  |                                                                            |
| Topography: Ridge <input type="checkbox"/> Slope <input checked="" type="checkbox"/> Saddle <input type="checkbox"/> Basin <input type="checkbox"/>                                                                                 | Convex <input type="checkbox"/> Planar <input type="checkbox"/> Concave <input type="checkbox"/> |                                                                            |
| Setbacks: Cutbank/grade break <input type="checkbox"/> Wells <input type="checkbox"/> Springs <input type="checkbox"/> Streams <input type="checkbox"/> Ponds <input type="checkbox"/> Drainage <input checked="" type="checkbox"/> |                                                                                                  |                                                                            |
| Areas of concern: Trees <input type="checkbox"/> Drainage <input checked="" type="checkbox"/> Geology report <input type="checkbox"/> Rock outcrops <input type="checkbox"/> % Rock _____                                           | GW <input type="checkbox"/>                                                                      |                                                                            |
| Hydrometer test: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth(s) _____                                                                                                                                 | Bulk density: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth _____    |                                                                            |
| Wet-weather perc required: Yes <input type="checkbox"/> No <input type="checkbox"/>                                                                                                                                                 | Wet-weather groundwater required: Yes <input type="checkbox"/> No <input type="checkbox"/>       |                                                                            |
| Subsoil perc depth(s) 48-52"                                                                                                                                                                                                        | Pump system: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                 | Perc depth(s) 24-30"                                                       |
| Type of system STPD                                                                                                                                                                                                                 | Eng. design <input checked="" type="checkbox"/> Topographic map req. <input type="checkbox"/>    | Geology report req. <input type="checkbox"/>                               |
| Comments: 10 ft to large trees; 100 ft to wet area; may redirect minor swale to area profile C, fill existing swale; 15 ft. setback                                                                                                 |                                                                                                  |                                                                            |

Site map:



Profile A Average Ground Slope \_\_\_\_\_

| Depth | Munsell Color                                            | % Rock | Texture   | Structure | Consistency     | Moist | Pores              | Roots |
|-------|----------------------------------------------------------|--------|-----------|-----------|-----------------|-------|--------------------|-------|
| 0-22  | 10YR 4/6                                                 |        | SL        | G         | Fr              |       | good roots & pores |       |
| 22-36 | 10YR 5/6                                                 | SCL    |           | B         | F               |       |                    |       |
| 36-48 | wavy boundary to ...                                     |        |           |           |                 |       |                    |       |
| 36-58 | 10YR 5/6                                                 | M, SC  | w/pockets | 5YR 5/8   | loose, granular | loamy |                    |       |
| 58-96 | Sand, roots to 68" mottling, loose, fine sandy clay loam |        |           |           |                 |       |                    |       |

Mottling \_\_\_\_\_ Reduction  Oxidation  Depth to groundwater \_\_\_\_\_ Perc depth \_\_\_\_\_

Other: \_\_\_\_\_

Profile B Average Ground Slope \_\_\_\_\_

| Depth | Munsell Color                                             | % Rock | Texture | Structure | Consistency | Moist | Pores | Roots |
|-------|-----------------------------------------------------------|--------|---------|-----------|-------------|-------|-------|-------|
| 0-28  | grey brn                                                  | loose  | friable | SL        | good roots  |       |       |       |
| 28-60 | wavy boundary red brn SCL and grey (mottled)              |        |         |           |             |       |       |       |
|       | SC vertical mottles, massive                              |        |         |           |             |       |       |       |
| 60-96 | SL, looser than above, structureless, lt brn roots to 56" |        |         |           |             |       |       |       |

Mottling \_\_\_\_\_ Reduction  Oxidation  Depth to groundwater \_\_\_\_\_ Perc depth \_\_\_\_\_

Other: \_\_\_\_\_

Profile C Average Ground Slope \_\_\_\_\_

| Depth | Munsell Color      | % Rock | Texture | Structure | Consistency | Moist | Pores | Roots |
|-------|--------------------|--------|---------|-----------|-------------|-------|-------|-------|
| 0-30  |                    |        | SL      |           |             |       |       |       |
| 30-96 | massive dense clay |        |         |           |             |       |       |       |

Mottling \_\_\_\_\_ Reduction  Oxidation  Depth to groundwater \_\_\_\_\_ Perc depth \_\_\_\_\_

Other: \_\_\_\_\_

Abbreviations:

USDA Texture: Gravel=G, Sand=S, Loamy Sand=LS, Sandy Loam=SL, Sandy Clay Loam=SCL, Sandy Clay=SC, Silt Loam=SiL, Loam=L, Clay Loam=CL, Silty Clay Loam=SiCL, Clay=C

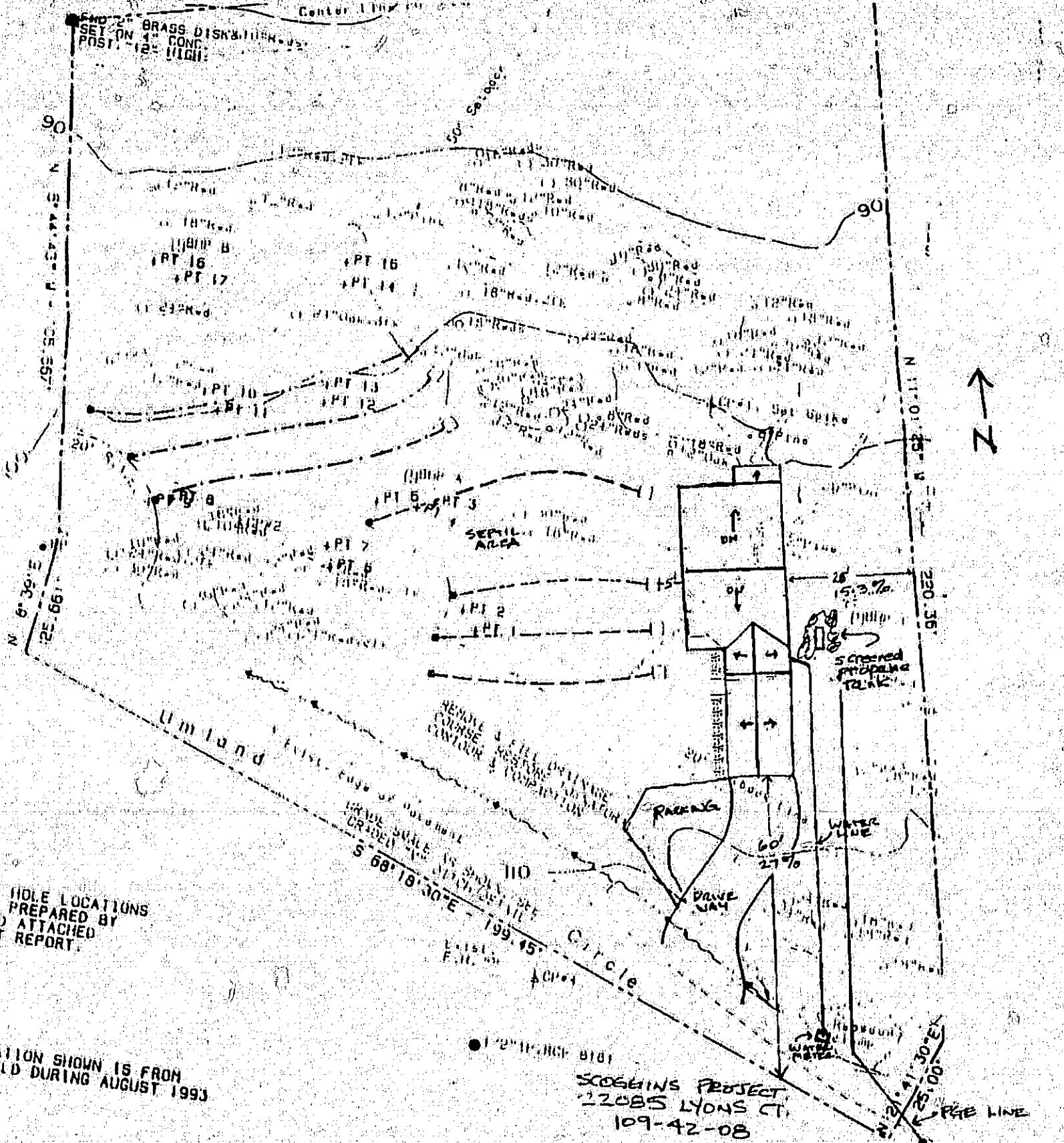
Structure: Granular=G, Platy=P, Blocky=B, Prismatic=Pr, Massive=M, Columnar=C

Consistency: Loose=L, Very Friable=VFr, Friable=Fr, Firm=F, Very Firm=VF, Extremely Firm=EF, Solid (BH refusal)=S

Moisture: Dry=Dr, Damp=D, Very Damp=VD, Saturated=S, Seepage=Se

Center Line

BRASS DISK 1 1/4" DIA.  
SET ON 4" CONC.  
POST 12" HIGH



1 HOLE LOCATIONS  
PREPARED BY  
VD ATTACHED  
IT REPORT.

ATTENTION SHOWN IS FROM  
ELD DURING AUGUST 1993

SCOGGINS PROJECT  
2208S LYONS CT.  
109-42-08

NOTE: INSTALLATION OF THE PRIVATE SEWAGE D  
PROPOSED MAY NECESSITATE REMOVE OF TREES. I  
THE PRIVATE SEWAGE DISPOSAL SYSTEM MAY BE DE  
TREES IN THE AREA OF THE LEACH FIELD.

Site Plan

**EXISTING SITE CHARACTERISTICS:**

Site Address: 22129 Umland Circle Acreage: 1.5

Existing use of property: UNDEVELOPED

Proximity to creek, waterways, and impoundment areas: NO

Vegetation on site: PINE, OAK, FIR, MAPLE, FERNS

General topography: ROLLING TO FLAT

Surrounding uses to North: RES or VACANT South: "

East: " West: "

Photographs of site attached: \_\_\_\_\_

**LAND DIVISIONS**

Number of proposed parcels and proposed parcel sizes: N/A

Proposed rezoning, if applicable: N/A

Any other required approvals (list): N/A

ENVIRONMENTAL STATUS: \_\_\_\_\_