E

Type

X

Plans

SEV95-1105

Permit Number

29500

Street Number

SEAVIEW RD

Street Name

TIM

Community Code

109-200-026

APN

PRMD County of Sonoma

S.C. Repro 3/10

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

NOTIFICATION TO PERFORM SOIL PERCOLATION TEST

Site I.D. Number: SEV95-1105

Address 29500 SEAVIEW RD. CAZADERO CA. 95421 A.P. No. 109-200-26

Property owner ROSS SMITH Address 29500 SEAVIEW RD. CAZADERO CA. 95421

Test conducted by BOHAN & CANELLS Certified by ROB HUFFMAN

Water Supply-Private X Public _____

Land Division Yes _____ No _____ Planning Application type/file No. _____

Minor or Major Subdivison No. _____

If for a proposed Subdivision, supply: Lot No. _____ Subdivision Name _____

Wet weather test Yes _____ No _____ Wet weather ground water determination

Yes _____ No _____

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

Plot plans must be attached showing area to be tested in relationship to property features, as well as a map showing location of the test site.

PLEASE NOTE: INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED

Distribution: White-Sanitarian/Canary-Perc Tester/Pink-Environmental Health file

LU0036 (Rev. 4/92)

012095 08/07/95A01
0951105
SIERRA $293.00
***TTL $293.00
CHECK $293.00
CHNG $0.00

Len J 12-21-95

COUNTY OF SONOMA
PUBLIC HEALTH DEPARTMENT
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1030 CENTER DRIVE, SUITE A • SANTA ROSA • CALIFORNIA 95403-2067 • TELEPHONE (707) 525-6500

Date: 12-12-95

CC2 B&C
Box 186
Cal 95421

HE Huffman Eng Inc
876 Gravenstein Hwy So
Sebastopol 95472

Subject: **Soils Evaluation for On-Site Sewage Disposal Purposes**

Address: 29500 Seaview Rd
A.P.N: 109 200 72
Property Owner: SMITH
Site I.D. #: SEV95-1165 Subdivision #:_____ Lot #:_____

Your soils evaluation for the subject property has been reviewed and filed. Review of the data indicates potential for the following type of sewage disposal system: standard 36"

sized at: 78' per bedroom

☐ Design by a Registered Environmental Health Specialist or Registered Civil Engineer is required.

☑ Complete topographic map of site is necessary.

☐ The following critical design elements need to be observed. Final approval cannot be given until these have been addressed:

The sewage disposal capability of the site is dependent upon topography and setbacks. The acceptable sewage discharge volume (i.e., number of bedrooms in a dwelling) will be based upon the final sewage disposal system design.

Construction of the septic system cannot occur until plans have been approved and a permit has been issued by our office. **All septic systems must comply with standards in effect at the time of permit application.**

For further information, please feel free to contact the undesigned at (707) 523-1676 between 7:30 and 9:00 a.m. Tu-Fri.

Very truly yours,

OM DONAVAN
District Environmental Health Specialist

c Property owner

LU0031 (Rev. 11/93)

HUFFMAN ENGINEERING
876 GRAVENSTEIN HWY. SO., SEBASTOPOL, CA 95472 (707) 823-2100 FAX (707) 825-5703

October 26, 1995

Sonoma County
Permit and Resource Management
Environmental Health Division
2550 Ventura Avenue
Santa Rosa, California 95403

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

Re: Percolation testing at 29500 Seaview Road, Cazadero

Dear Dave,

Percolation testing was conducted on the above mentioned parcel for the purpose of constructing a single family residence.

Description of Site:

The site is located below a shop and storage building and above a garden area. The site is bisected by an access road. This access road does not appear to be well used and minimum disturbance to the original ground topography has occurred. There is also an old county road to the West of the tested area. This has a cut bank on the Westerly side of the road. There is also evidence of minor roadside drainage at the toe of the cut bank. There are large diameter redwood trees near the tested area.

The landscape position of the tested area is an upland saddle to sideslope.

The contours are concave and uniform and slopes range from 5% to 25%.

Percolation Test Results:

I visited the site on 8-18-95 with you and Thes Canelis. We viewed and logged three profile holes labeled "A" through "C" in the area.

A percolation test was performed on 8-22-95 for a possible **STANDARD** system. The following were used to determine the application rate for the primary and reserve areas for a **STANDARD** type leachfield.

Percolation Hole #	Depth (In.)	Rate (M.P.I.)
2	36	6
3	48	1
4	36	5
5	62	30
7	36	1

Average = 8.6 minutes per inch.

The profile holes were observed to have obvious zone 2 soils to 3 feet below proposed trench bottom which addresses the depth of soil criteria as set by DEH Instruction 1-91.

A textural analysis by the Bouyoucos Hydrometry Method was performed on a sample extracted from an 84" depth from Profile "C" and on a sample extracted from a 36" to 42" depth. The results of both samples are Zone 2 by the U.S.D.A. chart. The results also demonstrate that the soil can be tested during the dry percolation testing season.

Recommendations:

The following is recommended for the Primary and Reserve Leachfields:

System Type = ... **STANDARD**
Depth = ... **36**
Depth of gravel below pipe =..... **12**
Soil application rate LF/BDRM. = ... **78**
Effective Absorptive Area
Per lineal foot of line Sf/Lf = ... **2**

Restrictions:

The following are restrictions:

A). Maintain system in slopes of less than 12.5%

B). Maintain a 10 foot setback from redwood trees.

C). Remove the access road between the fields if the area is needed for either the primary or the reserve leachfields. Maintain a 50 foot setback to the edge of the old county road where there is evidence of roadside drainage.

D). Trees can be removed using a stump grinder. Stumps to be ground 12" below the surface not pulled.

I viewed and 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.
Professional Civil Engineer

RH:th:enc
95-94.crt

HUFFMAN ENGINEERING

JOB:
DATE: 8/18/95
ADDRESS 29500 Seaview Road

PROFILE "A"

DEPTH		SOIL CLASS	ROOTS	STRUCT	SHAPE	MOITRE	MOTLNG	GRAVEL	CONSIT	POR ES	COLOR	COMMENTS
0				M								0
12		SCL				Dr			L			12 Suitable for standard to bottom. Can use extra rock.
24		LM	M	S						24"	5yr 4/3	24
36							N		VFr			36
48			C		ABk			10%				48
60										Lp		60
72			F									72
84												84
96	89"	Scl						20%	Fr		10yr 5/6	96
108												108
120												120

HUFFMAN ENGINEERING

JOB:
DATE: 8-18-95
ADDRESS: 29500 Seaview Road

PROFILE "B"

DEPTH	SOIL CLASS	ROOTS	STRUCT.	SHAPE	MOITRE	MOTLNG	GRAVEL	CONSIT	PORES	COLOR	COMMENTS
0	LM							Loose	Lp		Major Roots -- Redwood
12	SL		S							10yr 5/8	
24				Abk	D		5%	Fr			
36		M							Vp		Very decomposed fractured sandstone. Some manganese stains.
48		-- C					30				
60											Slopes 25%. Obvious Zone 2
72											Soil Series HNG Hugo
84											
96											
108											
120											
122											

HUFFMAN ENGINEERING

JOB:
DATE: 8-18-95
ADDRESS 29500 Seaview Road

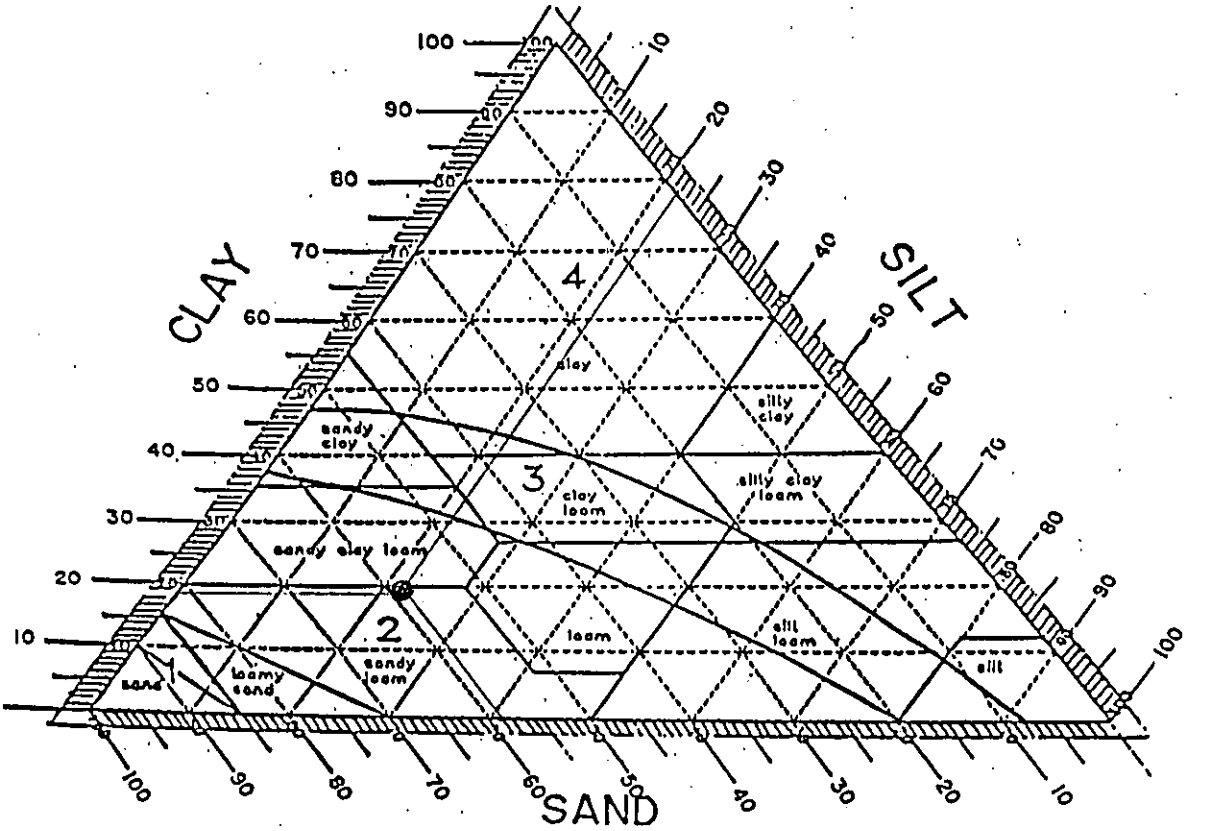
PROFILE "C"

DEPTH		SOIL CLASS	ROOTS	STRUCT	SHAPE	MOITRE	MOTLNG	GRAVEL	CONSIT	PORES	COLOR	COMMENTS
0												0
12												12
24												24
36												36
48												48
60												60
72												72
84												84
96												96
108												108
120												120

Profile is similar to Profile "B".

BOHAN & CANELIS

P.O Box 186 Cazadero, Calif.95421 (707) 632-5708



CLIENT: Ross Smith 29500 Sequiew Rd

AP #: 109-20-26 SAMPLE: 1 DEPTH: B 36"-42"

PARTICAL SIZE ANALYSIS

% BASED ON TOTAL SAMPLE		HYDRO % PASSING #10 SIEVE
SAND	*	SAND 59
CLAY	*	CLAY 19
SILT	*	SILT 22
+ #10 BEFORE CONVERSION 0	*	TOTAL 100
TOTAL	*	SOIL ZONE 2
+ #10 AFTER CONVERSION	*	SOIL SERIES HKG HUGO
Db g/cc NA	*	% MOISTURE 18

BY: Cathy Schezo LABORATORY TECHNICIAN DATE: 10-6-95

SONOMA COUNTY
PERMIT & RESOURCE MANAGEMENT
WELL & SEPTIC DIVISION
2550 Ventura Avenue
Santa Rosa, CA 95403

SOIL PERCOLATION TEST DATA

Address of Percolation Test: 29500 SEAVIEW RD.	A.P. Number: 109-200-26	Winter Groundwater Test:	"Wet Weather Perc":
Owner's Name: ROSS SMITH		Field Check: Yes No By: Date: Time:	
Owner's Mailing Address: 29500 SEAVIEW RD		Review of Data: Rates Acceptable: Yes No	
City/State/Zip Code: CAZADERO CA. 95421	Telephone Number: (707) 847-3671	Remarks:	Receipt Information:
Water Supply: (Private) Public	Lot or Parcel Size: 10.69 AC.		
Test Conducted By: BOHAN & CANELIS	Telephone Number: (707) 632-5708		
Address/City/State/Zip Code: 600 AUSTIN CREEK RD. CAZADERO CA. 95421			
Type of Soil: HkG HUGO SERIES	Date of Test: 8-22-95	Circle One: Initial Test / Supplemental	Sanitarian

Hole No.	Depth of Hole	Pipe Length	Presoak Remaining	Start Time	Start Inches	First Measurement Time	First Measurement Inches	Second Measurement Time	Second Measurement Inches	Third Measurement Time	Third Measurement Inches	Fourth Measurement Time	Fourth Measurement Inches	Fifth Measurement Time	Fifth Measurement Inches	Sixth Measurement Time	Sixth Measurement Inches	RATE
1	48	52	4"	8:45	40	9:45	43 5/8	10:45	45	11:45	45 3/4	12:45	46 1/2	1:45	47 1/16	2:45	47 5/8	120
2	36	27	0		15		D/		SEE		TEN		MIN		TEST			6
3	48	46	0		34		D/		11		11		11		11			1
4	36	71	0		59		D/		11		11		11		11			5
5	67	102	0		89		99 1/4		101 1/2 / 90		98		100 1/8 / 90		98		100	30
6	62	46	0		34		39 1/4		40 3/4		41 7/8		42 3/4		43 5/8		44 1/4	120
7	36	21	0		9		D/		SEE		TEN		MIN		TEST			1

PHS-EH-4a (Revised 6/84)

Address: SOIL PERCOLATION TEST DATA Page:

Hole Number	Depth of Hole	Pipe Length	Presoak 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	
2	36	27	—	10^{8}	14	10^{10}	23	10^{20}	$25\frac{3}{8}$ / 15	10^{30}	22	10^{40}	$24\frac{1}{2}$	10^{50}	26 / 15	11^{00}	22	
						11^{10}	$24\frac{1}{8}$	11^{20}	$25\frac{1}{2}$ / 15	11^{30}	$21\frac{1}{2}$	11^{40}	$23\frac{5}{8}$	11^{50}	$25\frac{1}{4}$ / 15	12^{00}	$21\frac{1}{4}$	6
3	48	46	—		34		D / 34		D / 34		D / 34		D / 34		D / 34		D / 34	
							D / 34		D / 34		D / 34		D / 34		D / 34		DRY	1
4	36	71	—		59		$69\frac{1}{2}$ / 59		$68\frac{3}{4}$		TRACE / 59		$68\frac{3}{4}$		T / 59		$68\frac{1}{4}$	
							$70\frac{3}{8}$ / 59		$67\frac{7}{8}$		$70\frac{1}{2}$ / 59		$67\frac{5}{8}$		70 / 59		$67\frac{1}{4}$	5
7	36	21	—		9		D / 9		D / 9		D / 9		D / 9		D / 9		D / 9	
							D / 9		D / 9		D / 9		D / 9		D / 9		DRY	1