



Type



Docs



Plans

SEV98 - 1146

Building Permit Number

22073

Street Number

Timber Cove Rd

Street Name

Community Code

APN

mailed 11-3-98



COUNTY OF SONOMA
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403
(707) 527-1900 FAX (707) 527-1103

Field Operations • Code Enforcement • Permits • Environmental & Comprehensive Planning

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

Adobe Assoc.
415 Russell Av
SR 95403

Date: 11-3-98

22073 Timber Cove Rd

109 400 031

Site Address:

Assessor's Parcel Number

ER13

SEV98-1146

Property Owner:

Site I.D. #:

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 (deep) 60"

sized at: 56 per br.

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 undersigned at (707) 527-1676 between 7:30 & 9:00 a.m.

Very truly yours,

7-11-98

DM DONAVAN
District Environmental Health Specialist

Faxed to 884.1973



PERCOLATION TEST RESULTS TRANSMITTAL

County of Sonoma, Permit and Resource Management Department
2250 Ventura Avenue, Santa Rosa, CA 95403

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

Att: Dave Donovan

Site Address: 22073 Timber Cove Road, APN 109-400-031

5-1998-1146
Job Number: 98220

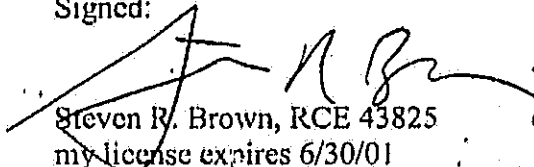
Enclosures: Assessor's Parcel Map, Soil Survey Map, Soil Profile Log, Percolation Test Data, and Percolation Test Map

These tests were run in order to establish subsurface wastewater disposal potential for this parcel in Timber Cove subdivision. The site is located on the west side of Timber Cove Road across from Frost Court. The site is wooded with oak, fir, and redwood and slopes from 8 to 16 percent to the east. Site soils are identified as Mendocino-Empire complex in the Soil Survey of Sonoma County.

On October 21, 1998, four 48 inch and four 60 inch holes were tested with an average percolation rate of 9 minutes per inch. This site is considered suitable for installation of a standard system providing 56 lineal feet of trench per bedroom. Trenches should be 60 inches deep, 24 inches wide, with 12 inches of drain rock below the disposal line. Suitability of soil below the proposed disposal trench is demonstrated by observation of zone 2 soils to depths of 100 and 96 inches in Profile holes A and B. Maintain all applicable setbacks including 5 feet to property lines.

The attached percolation test data was generated from percolation tests run in conformance with the methods and procedures of the Sonoma County Permit and Resource Management Department, Well and Septic Division. The results are a true and accurate account of the tests. Recommendations made in this report are subject to review and approval of the Well and Septic Division staff. A response to this report will be on file at the PRMD office.

Signed:


Steven R. Brown, RCE 43825
my license expires 6/30/01

date: 10/27/98

415
Russell Avenue
Santa Rosa
California
95403
707 526 2664
707 526 0331 - Fax
www.adobeinc.com

RECEIVED
OCT 28 1998
PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT
COUNTY OF SONOMA

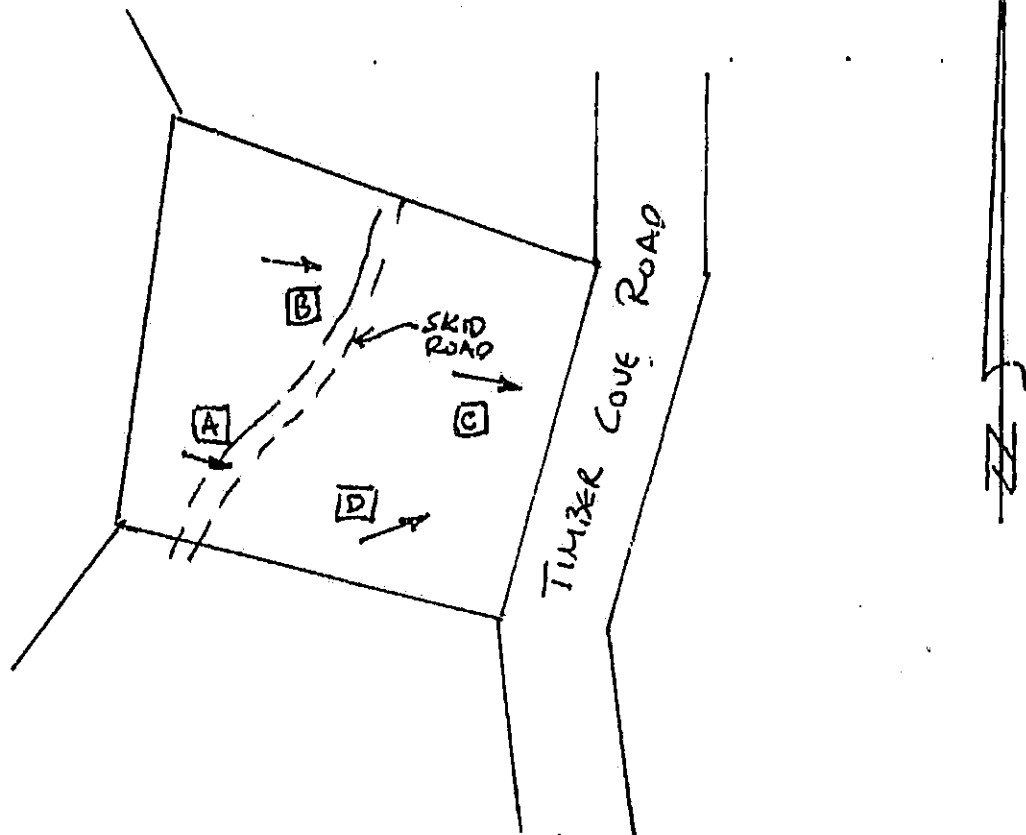


Pre-Perc Field Notes

Address: 22073 TIMBER COVE ROAD	Test Date: 10/8/98	Time:
AP #: 109-400-031	Site review by: Dave Donovan	
Test conducted by: Scientific Sanitation	Subdivision: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Test verified by: Steve Brown	Water availability zone:	
Special standards area:	SCS soil type: Mu F - Mendocino/Empire	

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: Grade break <input type="checkbox"/> Wells <input type="checkbox"/> Springs <input type="checkbox"/> Streams <input type="checkbox"/>
Areas of concern: Trees <input type="checkbox"/> Drainage <input type="checkbox"/> Geology report <input type="checkbox"/> Rock outcrops <input type="checkbox"/> % Rock <input type="checkbox"/>
Hydrometer test: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth _____ Bulk density: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth _____
Wet-weather perc required: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wet-weather ground water required: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Perc depth: 48/40 Possible trench & rock depth: 60/24 Pump system: Yes <input type="checkbox"/> No <input type="checkbox"/>
Mound <input type="checkbox"/> PD <input type="checkbox"/> Eng. design <input type="checkbox"/> STANDARD SYSTEM
Comments:

Diagram
NTS



Profile <u>A</u>		Average Ground Slope <u>10%</u>						
Depth	Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
-11	10YR 4/6	-	SL	BL	VFr	Dry	Many	Many
-29	7.5YR 5/6	-	CL	BL	Fr	Dry	Many	Many
-100	10YR 4/8	-	LS	BL	Fr/F	Dry	Some	Few
Mottling:				Depth to groundwater:				
Other:								

Profile <u>B</u>		Average Ground Slope <u>10%</u>						
Depth	Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
-12	10YR 4/6	-	SL	BL	VFr	Dry	Many	Many
-37	7.5YR 5/6	-	CL	BL	Fr	Dry	Many	Many
-96	10YR 4/8	-	LS	BL	Fr/VF	Dry	Some	Few
Mottling:				Depth to groundwater:				
Other:								

Profile <u>C</u>		Average Ground Slope <u>8%</u>						
Depth	Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
-3		-	SL	GR	L	Dry	Many	Many
-29	10YR 4/6	-	SL	BL	Fr	Dry	Many	Many
-96	10YR 4/8	-	SCL/CL	BL	Fr/F	Damp	Some	Some
Mottling:				Depth to groundwater:				
Other:								

Abbreviations:

Texture: Gravel=G, Sand=S, 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

Consistency: Loose=L, Very Friable=VFr, Friable=Fr, Firm=F, Very Firm=VF, Extremely Firm=EF

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

Profile		Average Ground Slope						
D		15%						
Depth	Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
-20		-	SL	BL	Fr/F	DRY	Many	Many
-34	10YR 4/6	-	SC	BL	F/VF	DRY	No	No
-64	10YR 6/3	-	SS	BL	EF	DRY	No	No
Mottling:				Depth to groundwater:				
Other:								

Profile		Average Ground Slope						
Depth	Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
Mottling:				Depth to groundwater:				
Other:								

Profile		Average Ground Slope						
Depth	Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
Mottling:				Depth to groundwater:				
Other:								

Abbreviations:

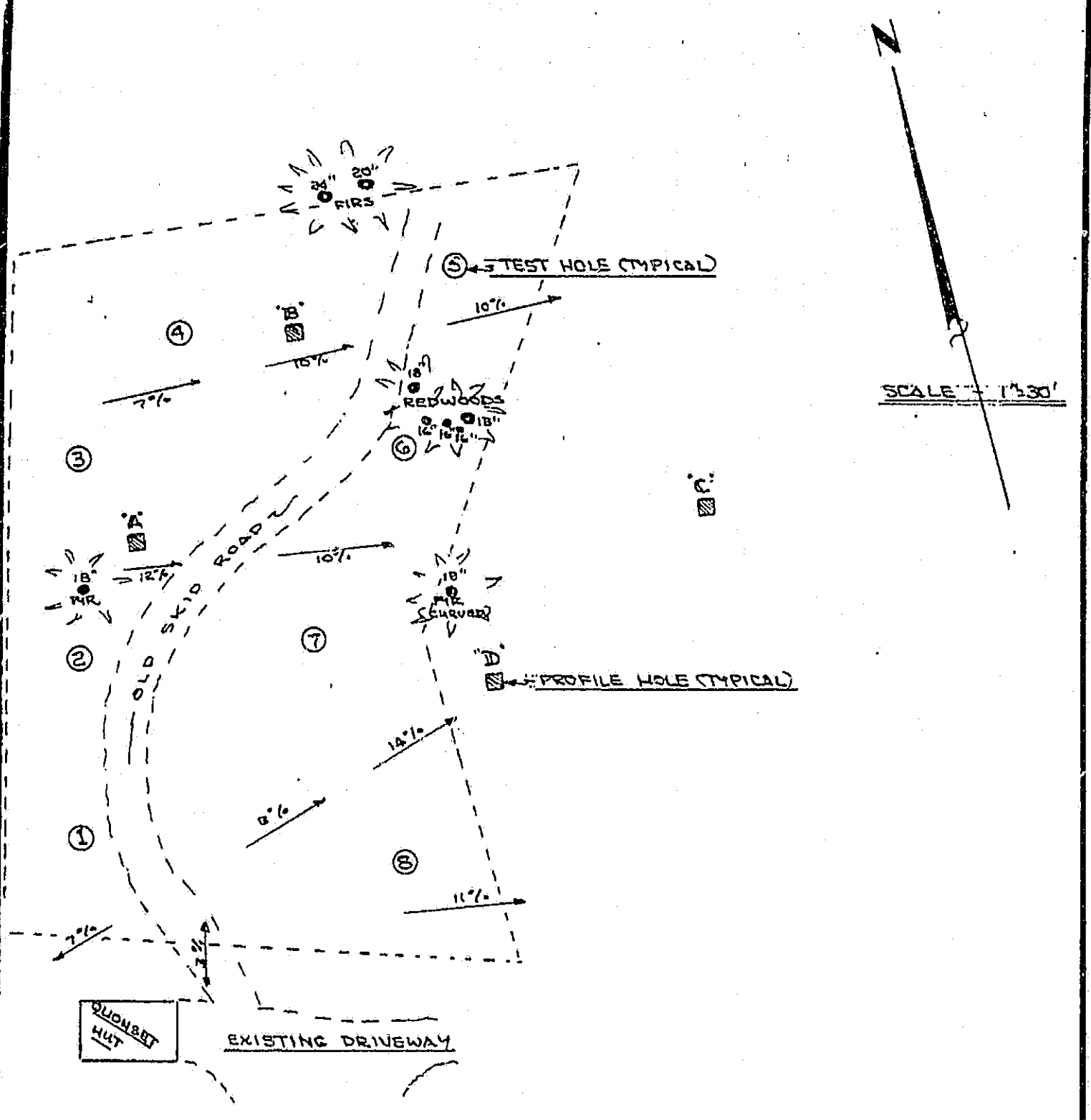
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Structure: Granular=G, Platy=P, Blocky=B, Prismatic=Pr, Massive=M

Consistency: Loose=L, Very Friable=VFr, Friable=Fr, Firm=F, Very Firm=VF, Extremely Firm=EF

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

Hole Number	Depth of Hole	Pipe Length	Preset 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	
<u>TEN MINUTE TESTS</u>																		
1	48	12	0	9:40	0	9:50	2 1/8	10:00	4 1/4	10:10	5 3/4	10:20	7 3/8	10:30	9	10:40	10	
						10:50	1 3/4	11:00	3 3/4	11:10	5 3/8	11:20	6 3/4	11:30	8	11:40	9 1/8	10
2	60	12	0	9:40	0	9:50	2 5/8	10:00	5	10:10	7	10:20	8 1/2	10:30	9 3/4	10:40	10 1/8	
						10:50	1 3/4	11:00	4 1/4	11:10	6 1/4	11:20	7 3/4	11:30	9 1/8	11:40	10 3/8	9
5	48	12	0	9:40	0	9:50	3 3/4	10:00	5 5/8	10:10	8 1/8	10:20	9 3/4	10:30	DRY	10:40	3 3/8	
						10:50	5 1/8	11:00	7 1/4	11:10	8 3/4	11:20	10 3/8	11:30	DRY	11:40	2 7/8	6
7	48	12	0	9:40	0	9:50	3 3/4	10:00	6 1/8	10:10	8 1/4	10:20	10	10:30	2 5/8	10:40	5 7/8	
						10:50	7 1/2	11:00	9 1/8	11:10	10 1/8	11:20	3 1/4	11:30	5	11:40	7 3/8	7
8	60	12	0	9:40	0	9:50	4 3/4	10:00	7 1/8	10:10	9 1/4	10:20	DRY	10:30	4	10:40	6 5/8	
						10:50	8 5/8	11:00	10 3/4	11:10	4	11:20	6 1/2	11:30	8 3/8	11:40	10 1/8	6



PERCOLATION TEST AREA

22073 TIMBER COVE ROAD

AP# 109-40-31. TEST DATE: 10/21/98



COUNTY OF SONOMA

PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403
(707) 527-1900 FAX (707) 527-1103

Field Operations • Code Enforcement • Permits • Environmental & Comprehensive Planning

NOTIFICATION TO PERFORM SOIL PERCOLATION TEST

Site I. D. Number: Seq 98-1146

Address 22073 TIMBER COVE ROAD

A.P. No. 108-400-031

Property ^{BUYER} OWNER ALEX DUNNE

Address 22059 TIMBER COVE ROAD
JENNER 95450

Test Conducted by SCIENTIFIC SANITATION

Certified by STEVE BROWN

Engineer's License No. PCE 43825

Water Supply Private Public

Planning App. Type/File No. _____

Land Division Yes No

Minor or Major Subdivision No. _____

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

Wet weather test Yes No

Wet weather ground determination Yes No

018796	10/22/98	01
#	0981146	
SIERRA	\$364.00	
***TTL	\$364.00	
CHECK	\$364.00	
	\$0.00	

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

sent 10-15-98
REQUEST FOR SERVICE

County of Sonoma
Permit And Resource Management Department
Well & Septic Section

22073

2550 Ventura Avenue, Santa Rosa, CA 95403 (707) 527-1900

Location Address 22037 Timber Cove Road		City, Zip Jenner 95450	
Owner/Facility Name Buyer - Alex Dunne		Assessor's Parcel # 109-400-031	
Address of Owner 22058 Timber Cove Road		City, State, Zip Jenner 95450	
Person Requesting Service Adobe Assoc		Phone 526-2664	
Address of Person Requesting Service 415 Russell Ave		City, State, Zip SR 95403	
Description Prc-prc			
			By

Date _____
Permit # SEV98-1095
EHS _____ Dist # _____
Category _____ Priority _____
Classification:
A. Complaint
B. Site Review
C. Plan Check
D. Recheck/Reinspection
E. Vesting
F. _____

Disposition:
1. Service Completed
2. Follow Up
3. Referral
4. Referral Completed
5. Enforcement
6. No Violation
7. No Action

Report of Investigation

Soil profiles A & B revealed suitable conditions to test for standard to deep standard septic system

017728 10/12/98B01

SIERRA	For office use	\$215.00
***TTL		\$275.00
CHECK		\$275.00
CHNG		\$0.00

W DONOVAN
EHS

527 1676

10-13-98
Date Completed

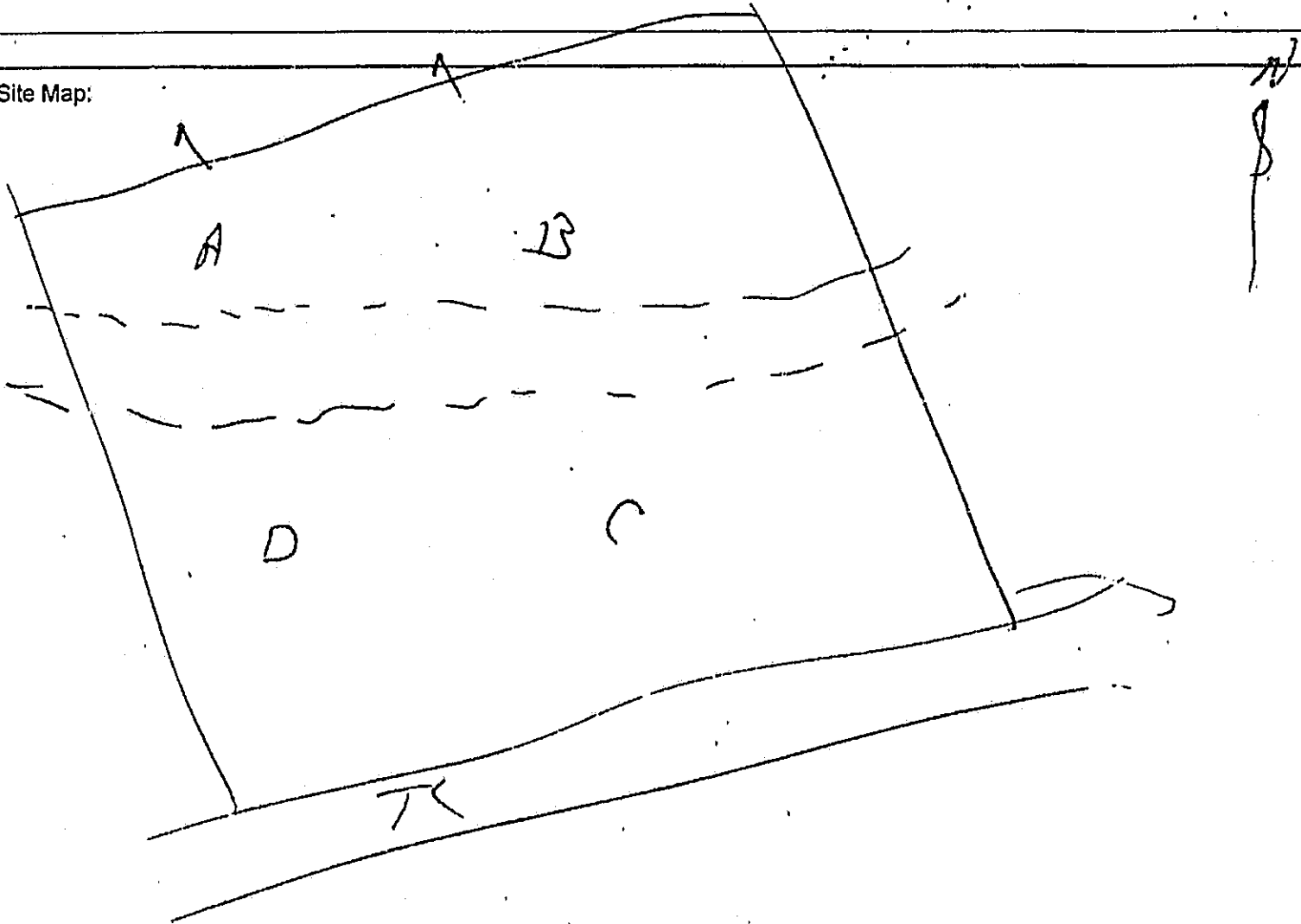
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403 - (707) 527-1900

Pre-Perc Field Notes

Address: <u>22073 TC Rd</u>	Pre-Perc date: <u>10.8-98</u> Time: <u>1300</u>
AP#	Site Review by:
Test conducted by: <u>Scien</u>	Subdivision: Yes <input type="checkbox"/> No <input type="checkbox"/> Initial <input type="checkbox"/> Supp. <input type="checkbox"/>
Test verified by: <u>S BA</u>	Water availability zone:
Special standards area:	SCS soil type: <u>Emp - Csp</u>
Topography: Ridge <input type="checkbox"/> Slope <input checked="" type="checkbox"/> Saddle <input type="checkbox"/> Basin <input type="checkbox"/>	Convex <input type="checkbox"/> Planar <input checked="" 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 type="checkbox"/>	
Areas of concern: Trees <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Geology report <input type="checkbox"/> Rock outcrops <input type="checkbox"/> % Rock: _____ GW <input type="checkbox"/>	
Hydrometer test: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth(s): _____	Bulk density: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth: _____
Wet-weather perc required: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet-weather groundwater required: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Subsoil perc depth(s): <u>tr depth + 3'</u>	Pump System: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Perc depth(s): <u>4, 5, 6</u>
Type of system: <u>std</u>	Eng. Design <input type="checkbox"/> Topographic map req. <input checked="" type="checkbox"/> Geology report req. <input type="checkbox"/>
Comments:	

Site Map:



Profile: **B** Average Ground Slope: **7 %**

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
12	10YR 4/6	5%	SCL	SL	B	F	Dr	comm
37	7.5YR 5/6		CL	"	VF	"	few	com
96	10YR 4/8	dense	LS	B	VF	"	⊙	to 60"
		L decomposed ss.						

Mottling: **⊙** Reduction Oxidation Depth to groundwater: Perc depth: **→**

Other: **4, 5, 6 OK test std.**

Profile: **A** Average Ground Slope:

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
11								
29								to 66"
100								

Mottling: Reduction Oxidation Depth to groundwater: Perc depth:

Other:

Profile: Average Ground Slope:

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots

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