



Type



Plans

SEV03-0002

Permit Number

215

Street Number

BOHEMIAN HWY

Street Name

TW1

Community Code

073-120-021

APN

REQUEST FOR SERVICE

Page 1 of ____

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

2550 Ventura Avenue, Santa Rosa, CA 95403 (707) 565-1900

Location Address <i>215 Bohemian Hwy</i>		City, Zip <i>Freestone CA</i>	
Owner/Facility Name <i>Tom & Deb Newell 11% Steve Thistle</i>		Assessor's Parcel # <i>073-120-021</i>	
Address of Owner <i>P.O. 87</i>		City, State, Zip <i>CA 95421</i>	
Person Requesting Service <i>RICHARD T. LEASE 3928</i>		Phone <i>(707) 795-1668</i>	
Address of Person Requesting Service <i>P.O. BOX 7460</i>		City, State, Zip <i>COTATI, CA 94931</i>	
Description <i>Perc - perc 1272°, existing dwelling to meet Class II standards.</i>			
			By

Date *1/2/03*
Permit # *5003-0002*

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

*Pre-perc 6-19-02 w/ Richard Lease, REHS. 3 profile
holes logged. To meet class 1 need to run
groundwaters. To meet class 2 - Hydros taken from
hole B at 24" for sizing up to 36" deep by holes
B & C. Hydros came back clay/ban, which equals 0.4g/ft²
= 150' BR w/ 12" rx & 20' low flow credit
100' BR w/ 18" rx " " "
100% Expansion required.
Maintain 100' setback to creek.*

For office use

Wills Elin

1-28-03

1583A0000#01/03/03 SUBTTL

272.00

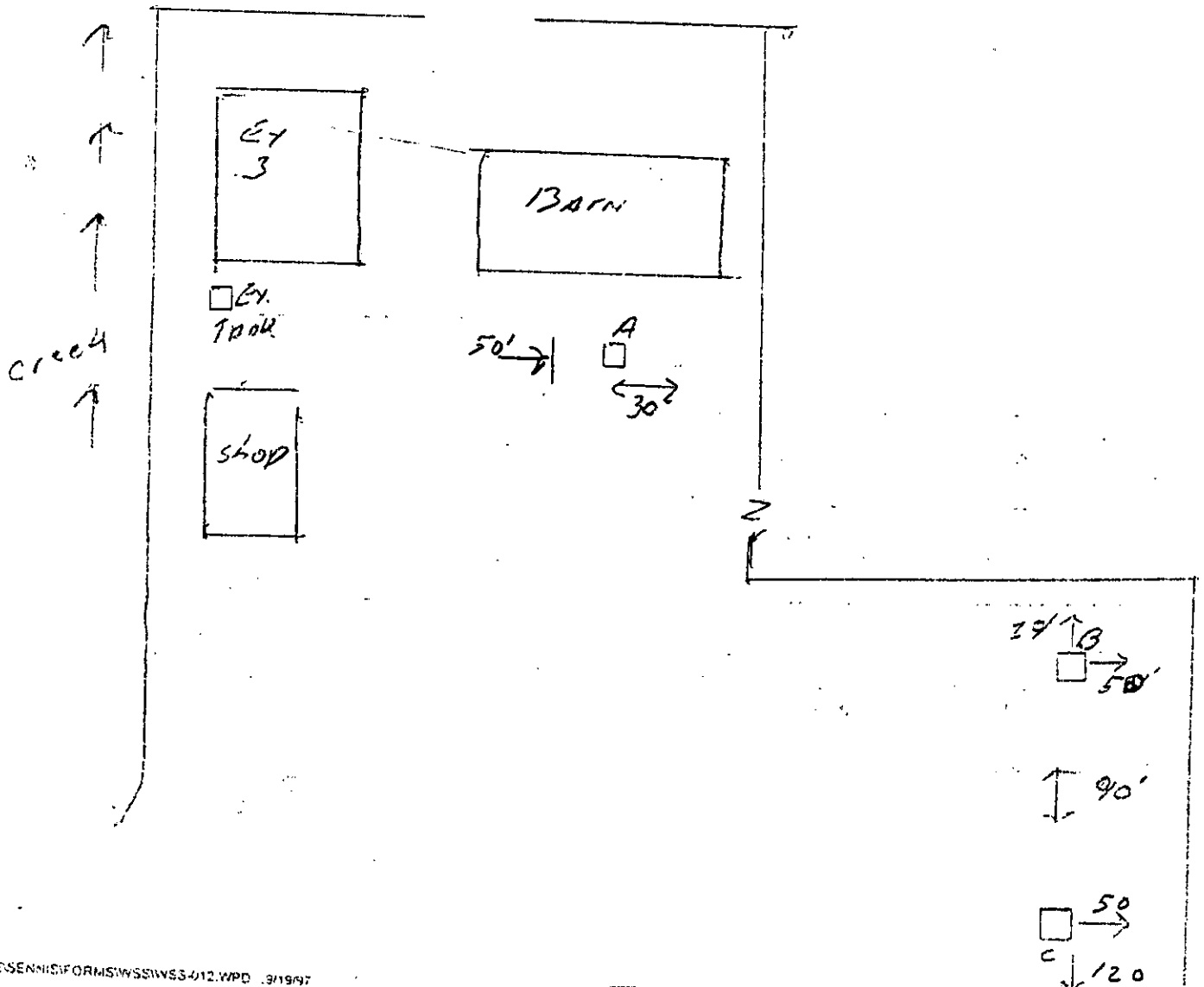
EHS

Date Completed

Pre-Perc Field Notes

Address: <u>215 Bohemian Hwy</u>		Pre-Perc date: <u>6-18-02</u> Time: <u>10:30</u>	
AP# <u>073-120.021</u>		Site Review by:	
Test conducted by: <u>R.T. Lease RENS</u>		Subdivision: Yes ☐ No ☒ Initial ☒ Supp. ☐	
Test verified by: <u>SM</u>		Water availability zone: <u>Public</u>	
Special standards area: <u>NP</u>		SCS soil type:	
Topography: Ridge ☐ Slope ☐ Saddle ☐ Basin ☐		Convex ☐ Planar ☐ Concave ☐ <u>FLA</u>	
Setbacks: Cutbank/grade break ☐ Wells ☐ Springs ☐ Streams ☐ Ponds ☐ Drainage ☐			
Areas of concern: Trees ☐ Drainage ☐ Geology report ☐ Rock outcrops ☐ % Rock: ☐ GW ☐			
Hydrometer test: Yes ☐ No ☐ Depth(s):		Bulk density: Yes ☐ No ☐ Depth:	
Wet-weather perc required: Yes ☐ No ☐		Wet-weather groundwater required: Yes ☐ No ☐	
Subsoil perc depth(s):		Pump System: Yes ☐ No ☐ Perc depth(s):	
Type of system:		Eng. Design ☐ Topographic map req. ☐ Geology report req. ☐	
Comments:			

Site Map:



Profile: A Average Ground Slope: 0%

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-10"			Fill - g. and					
10-31"	10YR 2/1	<5	CL	mod B	VF	dry	some	some
31-56"	10YR 3/2	<5	SCL/SC	B	VF	dry	NO	NO
56-80"	10YR 2/2	<5	C/SC	M	F	damp	NO	NO

Mottling: Reduction ☐ Oxidation ☐ Depth to groundwater: Perc depth:

Other:

Profile: B Average Ground Slope:

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-10"	10YR 2/1	<5	SL	B	F	dry	lots	lots
10-36"	10YR 2/1	<5	SCL	mod B	F	dry	lots	lots
36-56"	10YR 2/2	<5	SCL	B	F	damp	yes	NO
56-62"	10YR 3/3	<5	C/SC	M	F	dry	NO	NO

Mottling: below 34" Reduction ☐ Oxidation ☐ Depth to groundwater: Perc depth:

Other: Hydrated at 2" for sizing a 30" std class 2 by tubes 13K

Profile: C Average Ground Slope:

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-11"	10YR 2/1	<5	SL	B	F	dry	lots	lots
11-31"	10YR 2/1	<5	SCL/SC	B	F	dry	lots	lots
31-56"	10YR 3/2	<5	SCL	B	F	dry	NO	NO
56-70"	10YR 3/3	<5	C/SC	M	F	damp	NO	NO

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

RICHARD T. LEASE

Registered Environmental Health Specialist #3928

Post Office Box 7460
Cotati, California 94931

July 31, 2002

Wiles Edison
County of Sonoma
Permit & Resource Management Department
Well and Septic Section
2550 Ventura Ave.
Santa Rosa, CA 95403

Subject: Pre-perc site review, 215 Bohemian Hwy, Freestone, CA

Dear Mr. Edison;

On June 19, 2002, three soil profiles were dug and logged. A copy of the soil profiles are attached. The site is located on the east side side of Bohemian Hwy. The site is open field and has slopes of 1% in the area of holes A , B & C.

There is an existing dwelling and an existing system. There is a redwood septic tank and an unknown system. The owner wishes to upgrade to Class 2 for the purpose of remodeling the existing three bedroom structure.

To meet Class 2 it was agreed that a new 1200 gallon concrete septic tank with a zabel filter be installed. It would be necessary to install a sump and pump. The leach field would be valved and a total of 450 lineal feet of 30" deep trench would be installed in the area of holes B & C.

The design would need to conform to the plot plan requirements.

Should you have any questions or need additional information please contact me at (707) 795-1668.

Sincerely,


Richard T. Lease

Site Evaluations
Percolation Testing
Sewage Disposal Designs



Thistle Construction

Post Office Box 87
Cazadero, CA 95421-0087

707-632-5506
Fax: 707-632-5081

30 December 2002

Wiles Edison
County of Sonoma PRMD
2550 Ventura Avenue
Santa Rosa, CA 95403-2829

RE: Site Address: 215 Bohemian Highway, Freestone

Dear Mr. Edison

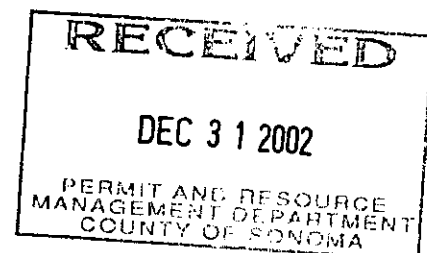
Steve asked me to send you this letter and apologize for not having paid the \$272.00 before. He thought it had been paid.

Steve is going to be out of town for an extended period of time, up to two months, and wanted to know if there were time constraints he needed to worry about with this project. If, from your perspective, this cannot wait until he returns, please notify him at the above address, for his mail is being checked regularly. If necessary he can take care of this through the mail and over the phone, but it would be easier to do it in person.

Thank you for your assistance in this matter.

Sincerely


Phil Mohrhardt



Oakley Laboratory & Field Services

1645 Chapman Way • Santa Rosa, CA 95403 • Telephone 707-575-1075

June 22, 2002
Job No. 02-124.07

Richard Lease R.E.H.S.
P.O. Box 7460
Cotati, California 94931

Attention: Mr. Richard Lease

Re: Results of Soil Texture Analysis
By Bouyoucos Hydrometry Method

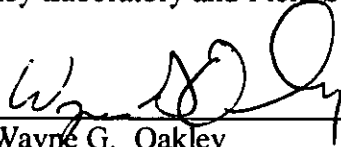
Client Address: 215 Bohemian Highway

The results of the soil texture analysis on samples received on June 19, 2002 are as follows:

Sample Location	B @ 20"-30"
% Plus No. 10 (WT)	0.8
% Sand	38.2
% Clay	40.8
% Silt	21.0
Db g/cc	--

We are pleased to provide laboratory services for you and look forward to your continued work. If you have any questions, please call.

Oakley Laboratory and Field Services

By: 

Wayne G. Oakley
Laboratory Director

June 22, 2002
Job No. 02-124.07

samples received on June 19, 2002 are as

B @ 20"-30"
0.8
38.2
40.8
21.0
--

res for you and look forward to your continued

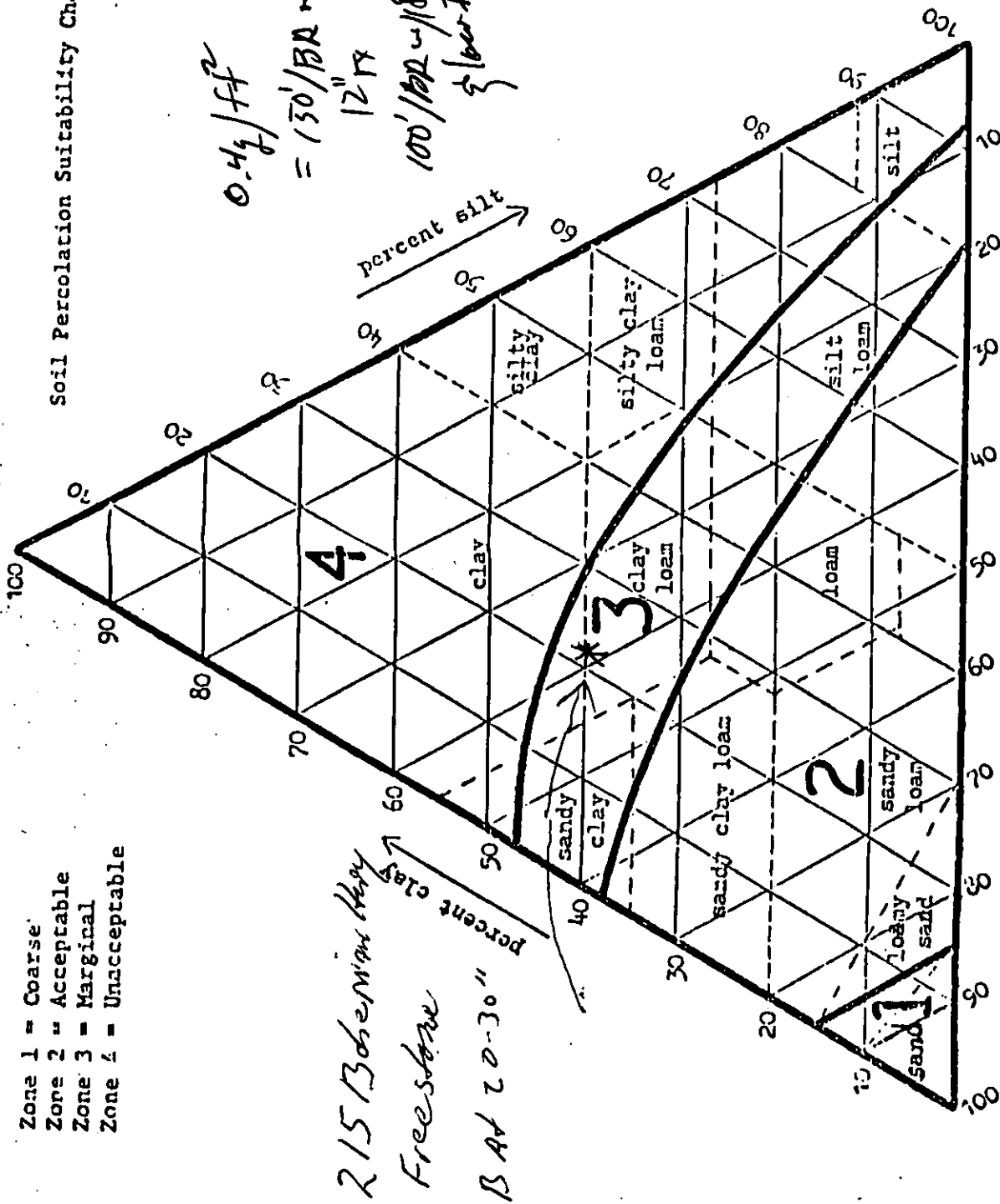
III.

Oakley Laboratory and Field Services

By: Wayne G. Oakley
Laboratory Director

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

Soil Percolation Suitability Chart



percent sand

Sieve Openings in Inches U. S. Standard Sieve Numbers

3	2	1 1/2	1	3/4	1/2	3/8	20	40	60	200
---	---	-------	---	-----	-----	-----	----	----	----	-----

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

100	50	10	5	2	1	0.5	0.42	0.25	0.1	0.05	0.02	0.001
Grain Size in Millimeters 0.075												

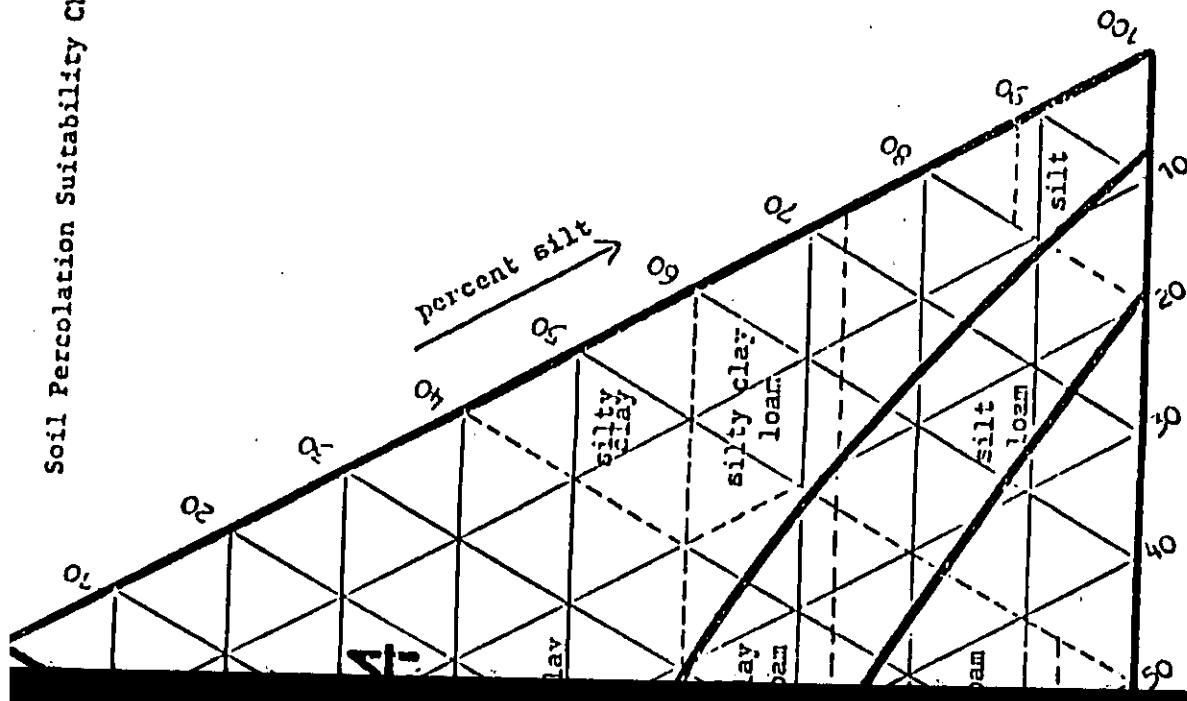
Instructions:

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.

Note:

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

Soil Percolation Suitability Chart



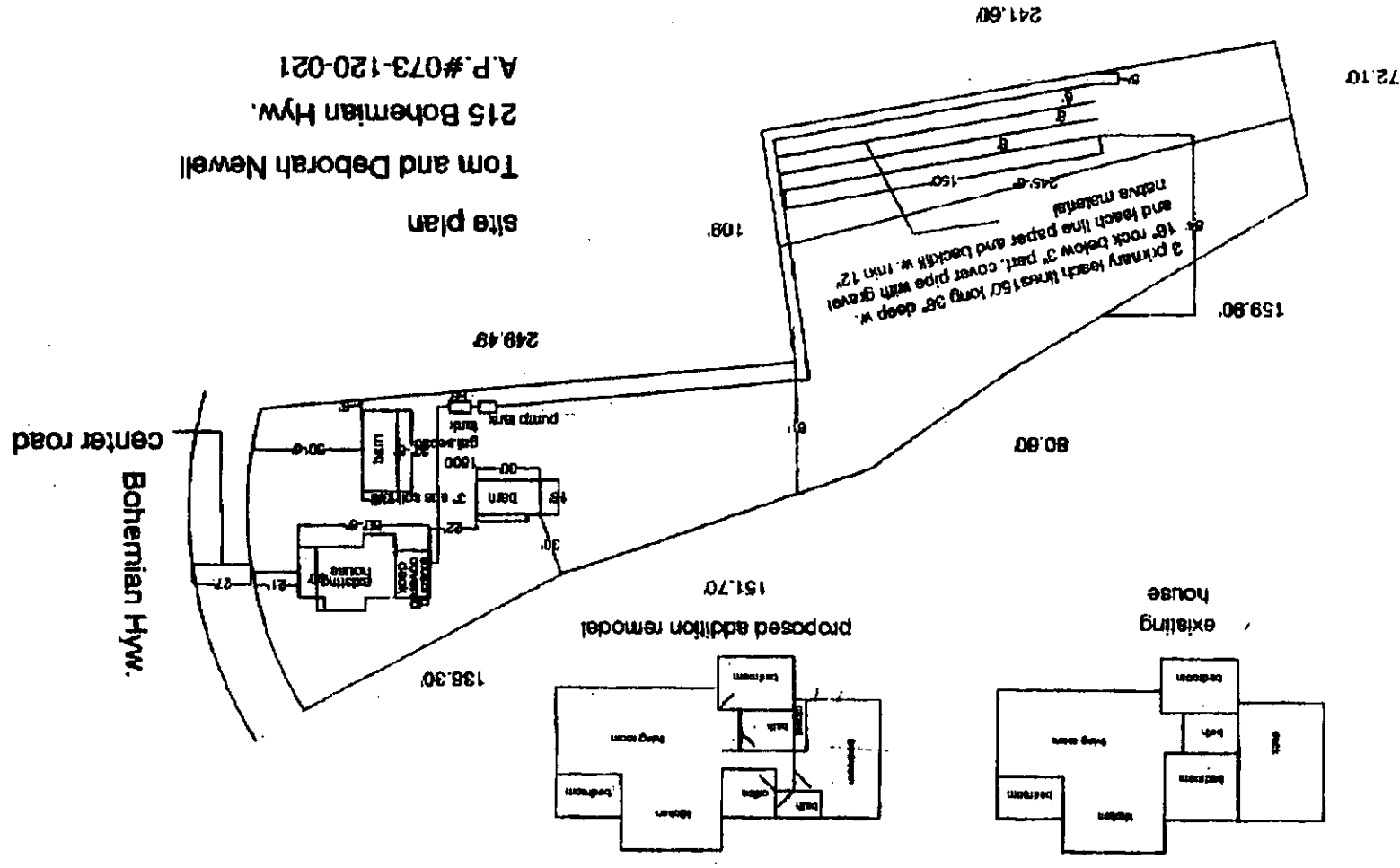
sand		SAND		SILT		CLAY
Sieve Numbers		Medium	Fine	No. 20		
40	60			0.42	0.25	0.1
				0.075	0.05	0.035
				in Millimeters		0.002

fine sand, silt, and clay as determined by

the plotted point in the sand direction
e) of fragments greater than 2mm in

as the plotted point in the clay direction
alk-density greater than 1.7 gm/cc.

sandy loam classification bulk
suitability and analysis not



site plan
Tom and Deborah Newell
215 Bohemian Hwy.
A.P.#073-120-021