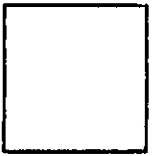


Type



Plans

SEV04-0598

Permit Number

2110

Street Number

Dwy 114 N

Street Name

GRA

Community Code

130-263-004

APN

Mailed 5/18/14

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 2110 Gravenstein Highway		City, Zip Sebastopol, 95472
Owner/Facility Name George Husary		Assessor's Parcel # 130-263-004
Address of Owner 900 Bayberry Ct.		City, State, Zip Sebastopol, CA 95472
Person Requesting Service Enterra Associates Inc.		Phone 707/544-6351
Address of Person Requesting Service 850 Second St		City, State, Zip Santa Rosa, CA 95404
Description Pre-perc evaluation to determine Septic options. Evaluation to be conducted on 3-31-04.		
		By

Date 3/29/04
Permit # SEV04-0598
EHS Edison 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

Site evaluation 3-31-04 w/ Tom Billeter - Jr. Eng. w/ Enterra & Assoc. 2 profile holes logged to determine suitability to expand existing commercial operation. Prior groundwater run showed dry to 98 & 99 inches. Percs at 30-40" were 10 mpi allowing 68 ft. / 150 g. Profile Hole A in expansion area of commercial system clay encountered from 30-53". Wet weather perc did occur here in 1985. Soil loosened up below 53" to 95". Profile Hole B - clay encountered at 16" to 34". This area was not perched and should be if desired to be used ~~for~~ to 34". Below 34" I believe we can either perc or size at 30 mpi (0.6 g/ft²). Stay 100' from well. " 50' " drainage. Note gravel road between Hwy 116 and system is to be abandoned. 100% Expansion - Note - System As-Built
Edison 5-14-04

For office use

PAYMENT REC'D \$ _____
MAR 30 2004
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT COUNTY OF SONOMA

EHS

Date Completed

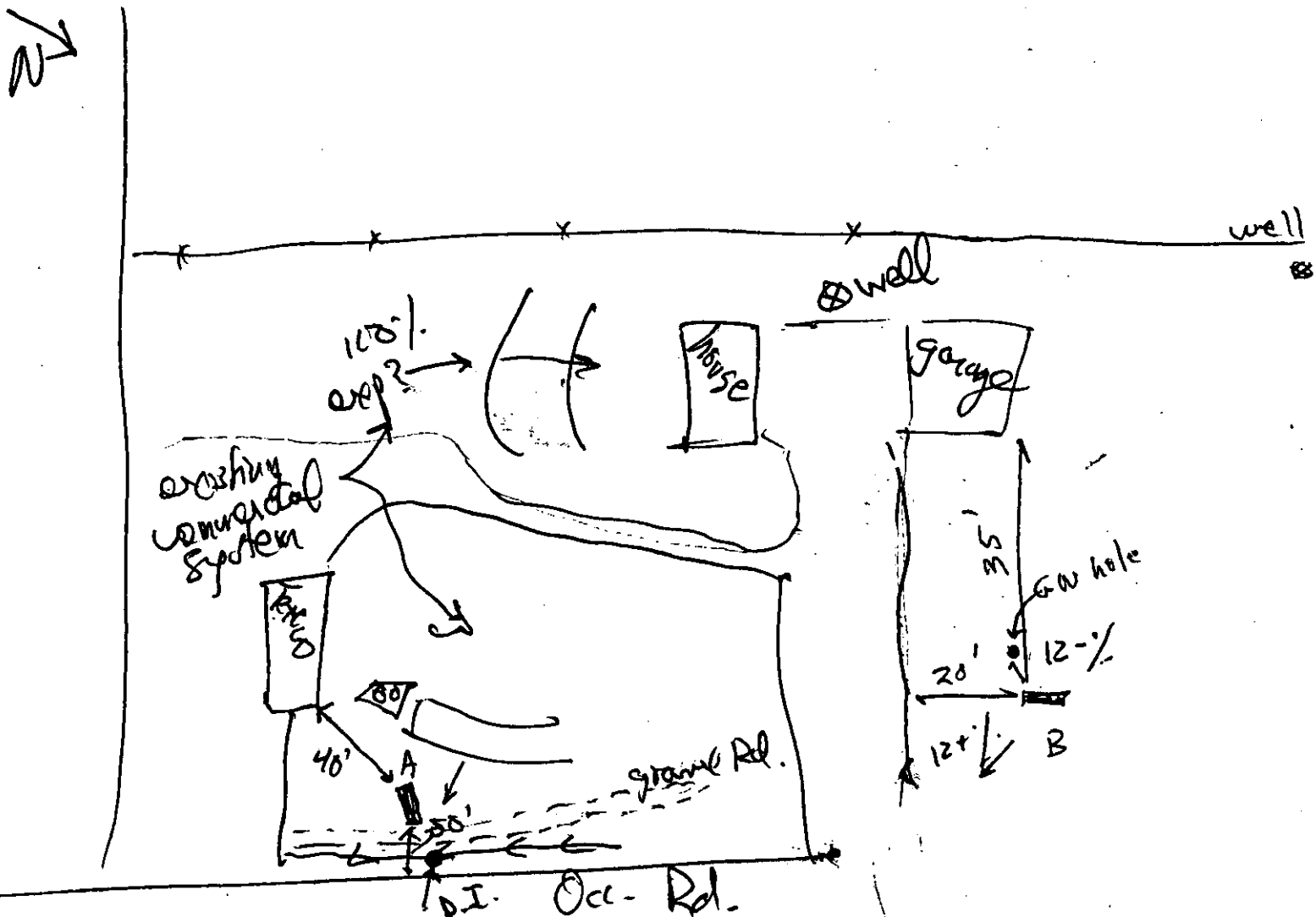
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

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

Pre-Perc Field Notes

Address: <u>2110 Hwy 116 N</u>		Pre-Perc date: <u>3.31.4</u>	Time: _____
AP# <u>130-263-004</u>		Site Review by: <u>Wites Edmon</u>	
Test conducted by: <u>Tom Billeter Jr. Eng.</u>		Subdivision: Yes ☐ No ☐	Initial ☐ Supp. ☐
Test verified by: <u>of Entera & Assoc.</u>		Water availability zone: <u>2</u>	
Special standards area: _____		SCS soil type: <u>Goldridge</u>	
Topography: Ridge ☐ Slope ☒ Saddle ☐ Basin ☐		Convex ☐ Planar ☒ Concave ☐	
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: <u>New or expanded Commercial Operation.</u>			

Site Map:



Profile: **A**Average Ground Slope: **0-4%**

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-19"	7.5YR 3/2	0%	SCL	G	VFr	D	few fine	common med.
19-37"	5YR 4/4		SC	B	Fr	VD	few large	Few fine
37"-68"	5YR 5/8		C	B	VF	D	None	None
68"-95"	7.5YR 5/8		SC	B	VF	D	None	None
Mottling: @ 60"-↓ Reduction ☐ Oxidation ☐ Depth to groundwater: ☒ Perc depth:								
Other:								

Profile: **B**Average Ground Slope: **12%**

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-22"	7.5YR 4/4	0%	SL	G	VFr	D	few-fine	few fine
22-37"	2.5YR 4/8		SiG	B	VF	D	none	none
37-88"	2.5YR 5/8		SC	B	F	D	none	none
88-110"	5YR 6/8		SC	B	VF	D	none	none
Mottling: slightly @ 90"-↓ Reduction ☐ Oxidation ☐ Depth to groundwater: ☒ Perc depth:								
Other: high sand content at last horizon								

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

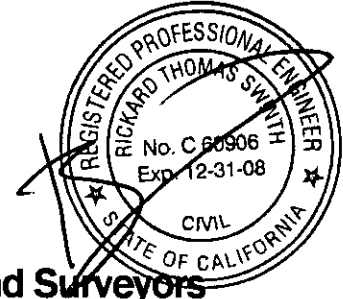
Moisture:

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



ENTERRA
Associates, Inc.

Consulting Civil Engineers, Planners & Land Surveyors



PROJECT STATEMENT

Date: August 16, 2007
Re: Husary Septic Design

Job Number: 03.208.10

The existing septic system that was constructed in 1996 consists of 60 lineal feet of leach line, a 1200 gallon concrete septic tank with risers, and an 800 gallon concrete sump tank. The system supports flows that are generated by the existing gas station, and holds capacity for the following:

- Four employees totaling 60 gallons per day
- A washroom generating 60 gallons per day

The above flows will be diverted to the new septic system and the old disposal system will be abandoned. In addition to the contemporary 120 gallon flow, the new system will support the following:

- Two employees per each of nine offices, totaling 360 gallons per day.
- Current and future flows total **480 gallons** per day.

A cleanout will be installed on the north side of the proposed structure, and the lateral will lead to a 1500 gallon septic tank on the south side of the proposed structure. From the septic tank, a transit pipe will connect to the existing sump tank located just north of the existing food mart. A new pump with sufficient specifications will be installed to pressurize the new distribution laterals. In general, two septic tanks will fill one sump tank before moving the sewage to the leaching area.

Special Note: Existing system information was obtained from septic plan by Adobe Associates, dated May 16th, 1996. Flow rate and tank sizing information from 2003 Uniform Plumbing Code.

Oakley Laboratory & Field Services
1645 Chapman Way • Santa Rosa , CA 95403 • Telephone 707-575-1075

February 17, 2004
Job No. 04-131.02

Hogan Land Services
843 Second Street
Santa Rosa, Calif. 95404

Attention: Mr. Michael R. Hogan

Re: Results of Soil Texture Analysis
By Bouyoucos Hydrometry Method

Client: Enterra

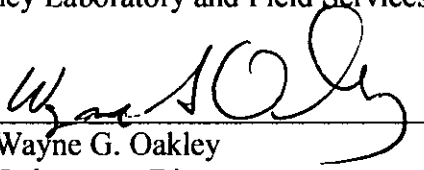
Client Address: Highway 116

The results of the soil texture analysis on sample received on February 12, 2004 are as follows:

Sample Location	1 @ 72"
% Plus No. 10 (WT)	2.4
% Sand	59.0
% Clay	17.0
% Silt	24.0
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

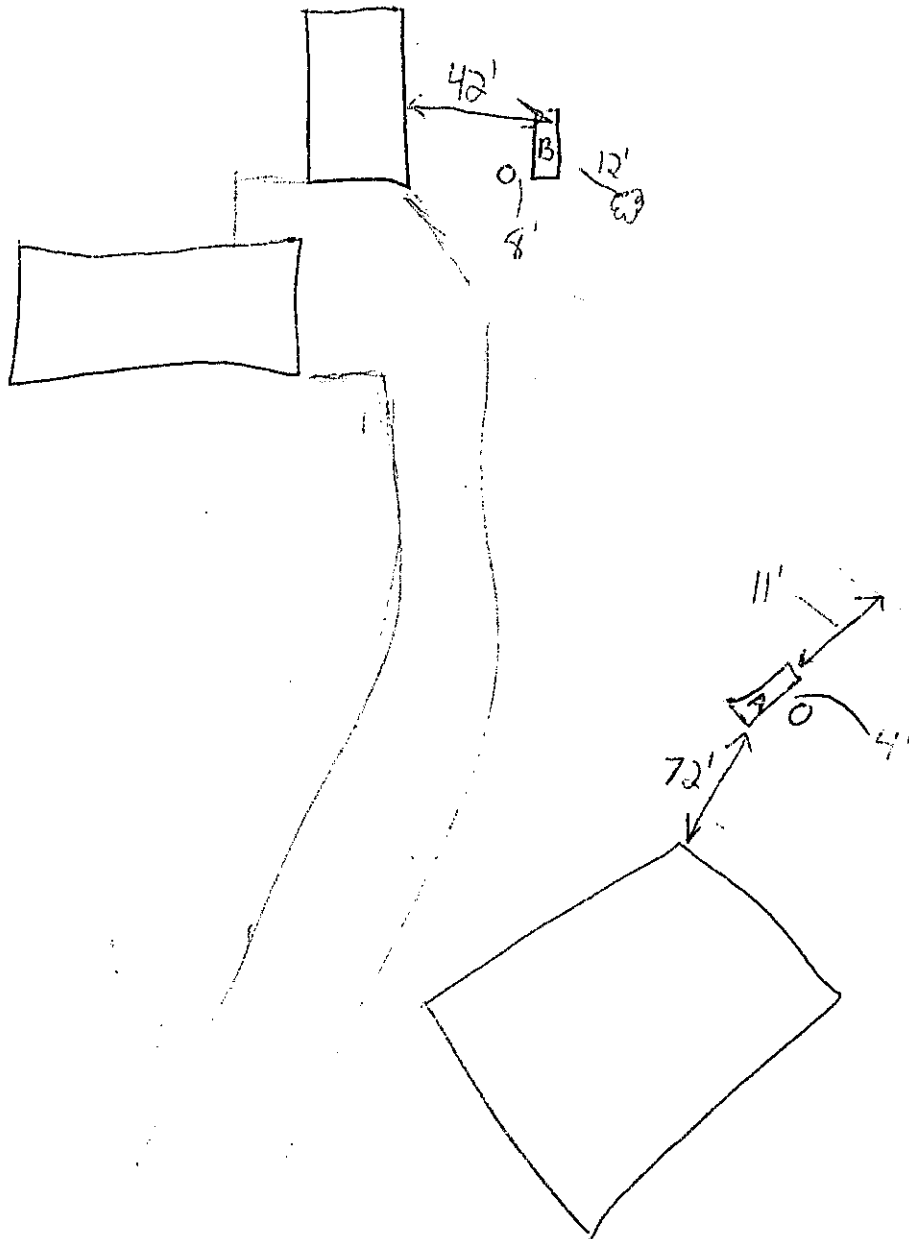
By: 

Wayne G. Oakley
Laboratory Director

Soils Investigation

3-31-04

Wiles Edison, Tom Billeter, Cory Hardy

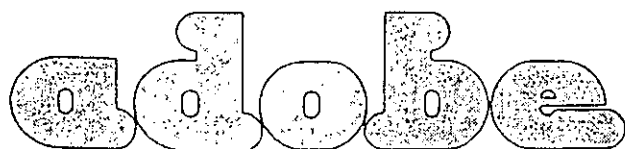
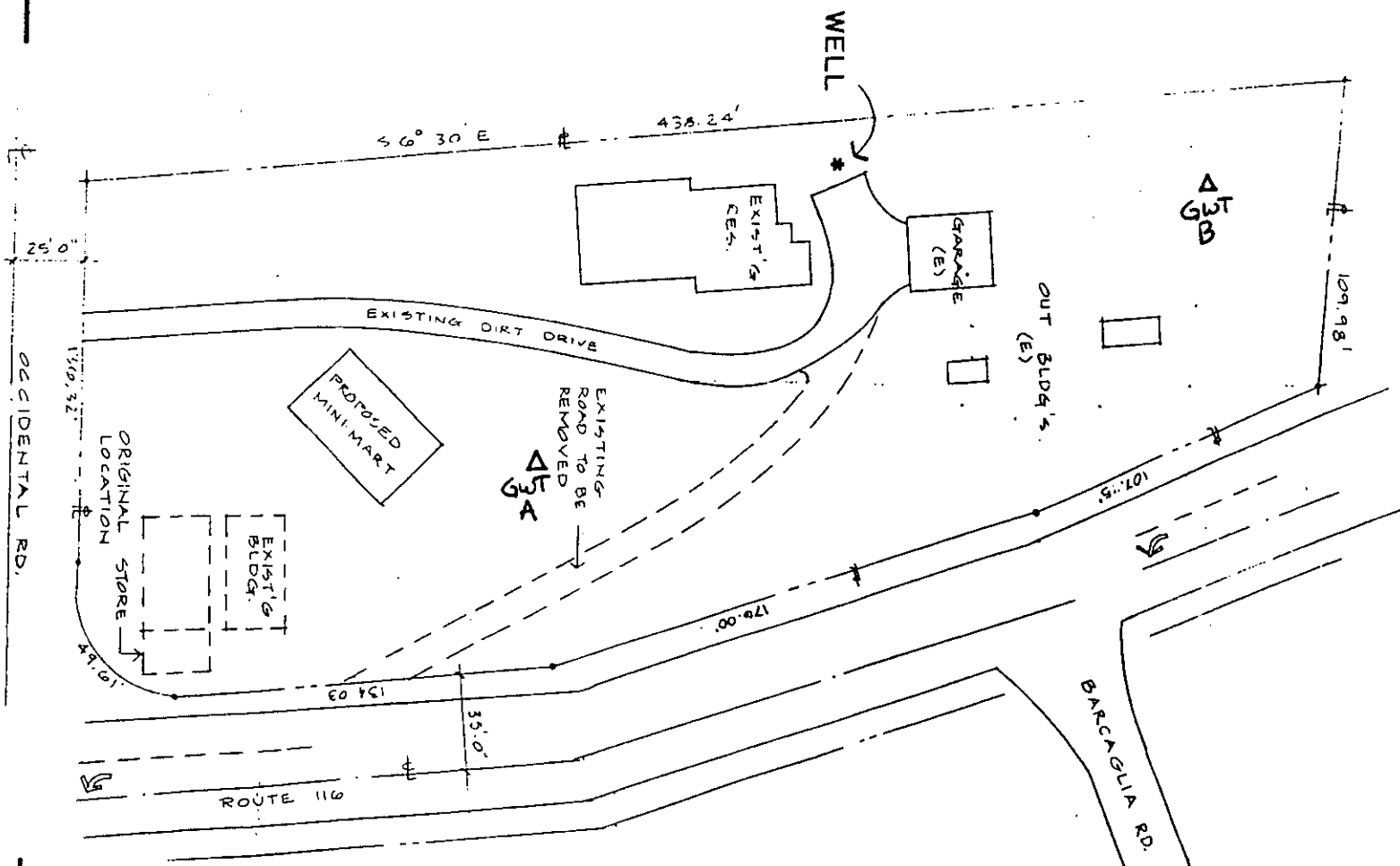


22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



GROUNDWATER TEST RECORDINGS

HOLE #	TAPE REF.	WETTED TAPE	TOP PIPE TO GRND	DEPTH TO GW	REMARKS
A	98	—	—	DRY	
B	99	—	—	DRY	



ASSOCIATES, INC.

Civil Engineering, Land Surveying and Planning

1150 State Farm Drive, Santa Rosa, CA 95403

(707) 526-2664 • FAX (707) 526-0331

GROUNDWATER TEST

LOCATION 2110 GRAVENSTEIN Hwy
SEBASTOPOL

A.P.N. 130-263-02

DATE 3/29/95

Job No 95049

Sheet 1 of 1

CP # 211 Set Spike
tagged "AAPC" Elev. 172.6

To be abandoned under permit
and regulations of the Permit
and Resource Management Dept.,
Well and Septic Division.

Abandon exist
Gravel Road.
Remove grave
restore to no
grade.

Exist. Septic Tank

Existing
Residence

Expansion
For Residence

Expansion Area
for
Exist. Residence

EXISTING LINE

GATE VALVED = 40'
TO SEPARATE
SYSTEMS = 35'

SLEEVED
UNDER
DRIVEWAY

3" SCH 40 ABS
Gravity line

Install 3" 2 way SCH 40
ABS cleanout 2' from
building. S = 0.02 min

Pumps

Pumps

CP # 3 Set 1/2" Rebar
tagged "AAPC" Elev. 157.4

Occidental Road

DESIGN CRITERIA:

PERCOLATION TEST APPROVAL LETTER DATED 1-31-95

LEG

1

2

