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APPROVED: YES NO #2100000400

ENVIRONMENTALIST Larry Schaad

Address 25106 Kobilan Road

Owner William L. Miller

Legal Description SW4SW4 Sec 29-T11S-R62W

Residence , # of bedrooms 5; Commercial ; System Installer George E. Vancil Co.
749-2364

SEPTIC TANK:

Commercial ; Noncommercial ; L , W , WD
Construction Material Precast concrete, capacity 2000 gallons.

DISPOSAL FIELD:

Rock Systems:

Trench: depth , width , total length , sq. feet
Bed: depth , length , width , sq. feet
Rock type , depth , under PVC , over PVC
Seepage Pits: # of pits , total # of rings , working depth(s)
size of pit(s) L X W , lining material , total sq. feet

Rockless Systems:

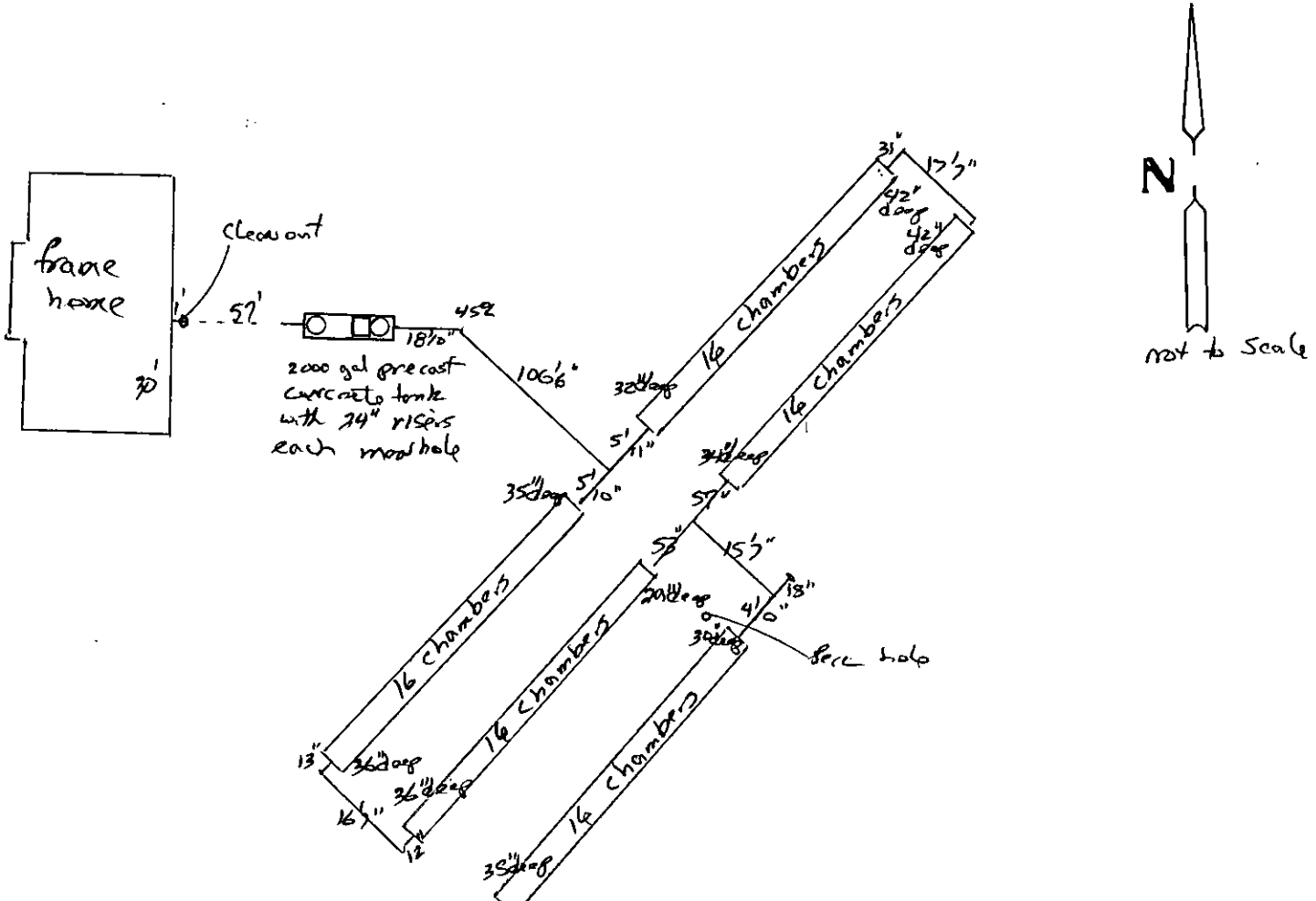
Chamber: Type Bio-diffuser, number of chambers 80, bed , trench
sq. ft./section 15.5, reduction allowed 40 %, sq. ft. required 1905
total sq. ft. installed 2066, depth of installation 29-42

Engineer Design Y or N, Designing Engineer
Approval letter provided? Y or N

Well 50 feet from tank or N 100 feet from leach field or N

Well installed at time of septic system inspection or N Public Water
*Approval will be revoked if in the future the well is found to be within 50 feet of the septic tank and/or 100 feet of the disposal field.

NOTES: figs SDR 35



Acres 39.43

EL PASO COUNTY • DEPARTMENT OF HEALTH AND ENVIRONMENT

301 South Union Blvd. • Colorado Springs, Colorado • 578-3125

Water Supply well

Permit 011605

PERMIT

TO CONSTRUCT, ALTER, REPAIR OR MODIFY ANY INDIVIDUAL SEWAGE DISPOSAL SYSTEM

Receipt No. jm

Issued to WILLIAM L. MILLER

Date 8-18-97

Address of Property 25106 ROBILAN ROAD, SW4, SW4, SEC: 29-T11S-R62W

Phone 488-3212

(Permit valid at this address only)

Sewage-Disposal System work to be performed by George Evanika Phone 749-2364

This Permit is issued in accordance with 25-10-106 Colorado Revised Statutes 1973, as amended. PERMIT EXPIRES upon completion of installation of sewage-disposal system or at the end of twelve (12) months from date of issue—whichever occurs first—(unless work is in progress). This permit is revokable if all stated requirements are not met.

-THIS PERMIT DOES NOT DENOTE APPROVAL OF ZONING AND ACREAGE REQUIREMENTS-

\$150.00

PERMIT FEE (NOT REFUNDABLE)

8-18-98

*24T
80' bed*

John B. ...
DIRECTOR, DEPARTMENT OF HEALTH AND ENVIRONMENT

Bill ...
ENVIRONMENTALIST

578-8038

DATE OF EXPIRATION

NOTE: LEAVE ENTIRE SEWAGE DISPOSAL SYSTEM UNCOVERED FOR FINAL INSPECTION. 48 HOUR ADVANCE NOTICE REQUIRED.

SEPTIC TANK: 1750 gallons	TRENCH SYSTEM: total square feet <u>1905</u>		BED SYSTEM: total square feet _____	SEEPAGE PIT SYSTEM: total square feet _____ rings or _____ diam. x _____ w/d
	_____ ft. of trench	_____ inches wide		
	_____ ft. of trench	_____ inches wide		

NOTES: INSTALL LEVEL LEACH FIELD IN AREA AND DEPTH (25-31 INCHES) OF PERC. TEST. PER ENGINEER, "A" REDUCTION IN FIELD SIZE FOR THE USE OF INFILTRATORS IS NOT RECOMMENDED."

The Health Office shall assume no responsibility in case of failure or inadequacy of a sewage-disposal system, beyond consulting in good faith with the property owner or representative. Free access to the property shall be authorized at reasonable time for the purpose of making such inspections as are necessary to determine compliance with requirements of this law.

APPLICATION FOR A NEW, REMODEL, REPAIR, OR ADDITION
 TO AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

Owner William L. Miller Phone (719) 488-3212
 Address of Property 25106 Kabilan Rd. Lot Size 39.43 acres Water Supply Well
 Tax Sch # 21000-00-109 Septic Contractor & Phone # _____
 Legal Description SW 1/4 of S.W 1/4 Section 29 T11S, R62W
 Type of Building S.F. Residential Owner's Mailing Address 19915 Drexwood Dr., Monument, CO. 80132

MAXIMUM POTENTIAL BEDROOMS 5

Basement N Percolation Test Attached N Garbage Disposal N Clothes Washer N

I have supplied a plot plan as described on the back of this form. I acknowledge the completeness of the application is conditional upon such further mandatory and additional tests and reports as may be required by the Department to be made and furnished by a applicant for purposes of evaluating the application, and issuance of the permit is subject to such terms and conditions as deemed necessary to ensure compliance with rules and regulations adopted pursuant to C.R.S. 10-25-101 et. seq. I hereby certify all represented to be true and correct to the best of my knowledge and belief, and are designed to be relied on by the El Paso County Department of Health and Environment, in evaluating the same for purposes of issuing the permit applied for herein. I further understand any falsification or misrepresentation may result in the denial of the application or revocation of any permit granted based upon said application and in legal action for perjury as provided by law.

OWNER'S SIGNATURE Wm L Miller Date 7/13/97

DEPARTMENT OF HEALTH USE ONLY

Absorption Area 1905 ft² Tank Capacity 1750 gal Date of Site Inspection 7/15/97

REMARKS: Install level leach field in area and depth (25-31")
of perc test per engineer. A reduction in field size
for the use of infiltrator is not recommended.

EHS INSPECTOR Jerry School Date 7/15/97 APPROVED DENIED

PERMIT # 11605 FEE NO FEE DATE TO EPC PLANNING DEPT 7-15-97

Ed 8/18/97 att. rec. lead (OK)

owner notified of fee change 8/8/97

We require the ORIGINAL of your percolation (PERC) TEST.
The following information must be on your PLOT PLAN.

Property lines
Proposed septic system site
Well(s)
Building(s)
Water line
Subsoil drain(s)

Property dimensions
Designated alternate septic system site
Adjacent property well(s)
Proposed building(s)
Cistern

If any of these are within 100 feet of your proposed septic system
include on your plot plan

Spring(s)
Pond(s)
Dry Gulch(s)

Lake(s)
Stream(s)
Natural drainage course(s)

PROPERTY AND PERC HOLES MUST BE CLEARLY MARKED OR POSTED

GIVE COMPLETE DIRECTIONS TO THE PROPERTY FROM A MAIN HIGHWAY

From the intersections of Hwy 24 and Ellicott Hwy
Go two miles north to Kabilan Rd. then
one mile East. Driveway and cattle guard will be on
the north side of road.

June 16, 1997

#2100000400

04/30/1998

25106 KOBILIAN RD



ENTECH
ENGINEERING, INC.

4720 FORGE ROAD, SUITE 100
COLORADO SPRINGS, CO 80907
(719) 531-5599
FAX (719) 531-5238



Bill Miller
19915 Doewood Drive
Monument, Colorado 80132

Re: Percolation Test
Ellicott Highway and Highway 24
El Paso County, Colorado

Dear Mr. Miller:

As requested, personnel of Entech Engineering, Inc. have performed percolation testing at the above referenced site. This letter presents the results of our testing.

The percolation test was performed on June 4 and 5, 1997. The location of the percolation holes is shown in Figure 1. Soils encountered in the profile and percolation holes consisted of silty sand and sandy clay. No bedrock or groundwater was encountered in the profile hole which was drilled to 10 feet.

The average percolation rate was determined to be 28 minutes/inch. Percolation results are shown in Figure 2. Based on a percolation rate of 28 minutes/inch, the field should be 238 square feet per bedroom. The field should be 381 square feet per bedroom for a house with a garbage disposal and washing machine (60% increase). The field should be sized based on the number of bedrooms and anticipated usage. A reduction in field size for the use of infiltrators is not recommended. Gravity flow from the septic tank to the field should be used if possible. If gravity flow is not possible, a pump and pumping chamber will be required.

The septic tank and absorption field should be installed in accordance with El Paso County Health Department regulations.

We trust that this has provided you with the information you required. If you have any questions or need additional information, please do not hesitate to contact us.

Respectfully Submitted,

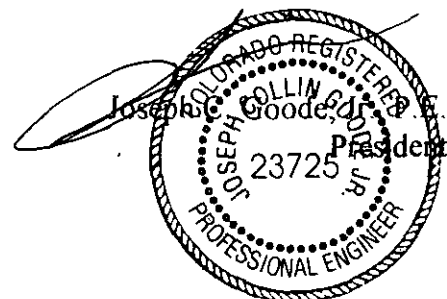
ENTECH ENGINEERING, INC.

Mark E. Clippinger, E.I.T.

MEC/yb

Encl. Entech Job No.20517.1
2MSW1ca/20517p.doc

Reviewed by:



Client: Bill Miller
Test Location: Kobilan Road

Job Number: 20517

PERCOLATION HOLES

Date Holes Prepared: 6/4/97

Date Hole Completed: 6/5/97

Hole No. 1

Depth: 25"

Hole No. 2

Depth: 31"

Hole No. 3

Depth: 30"

<u>Trial</u>	<u>Time (min.)</u>	<u>Water Level Change (in.)</u>	<u>Trial</u>	<u>Time (min.)</u>	<u>Water Level Change (in.)</u>	<u>Trial</u>	<u>Time (min.)</u>	<u>Water Level Change (in.)</u>
1	10	3/4	1	10	11/16	1	10	5/16
2	10	9/16	2	10	1/2	2	10	1/4
3	10	1/2	3	10	7/16	3	10	1/4
Perc Rate (min./in.):		20	Perc Rate (min./in.):		23	Perc Rate (min./in.):		40
Average Perc Rate (min./in.)					28			

PROFILE HOLE

Date Profile Hole Completed: 6/4/97

<u>Depth</u>	<u>Visual Classification</u>	<u>Remarks</u>
0-4'	sand, silty, dark brown	
4-5'	clay, sandy, dark brown	No Bedrock
5-10'	sand slightly silty, light brown	No Groundwater

22 Blows / ft. @ 4'

21 Blows / ft. @ 9'

Required Area of Absorption Field: 1.06 Sq. Ft./gpd sewage volume
Required Area of Absorption Field: 238 Sq. Ft./bedroom
Required Area of Absorption Field: 381 Sq. Ft./bedroom with garbage disposal and washing machine

Remarks:

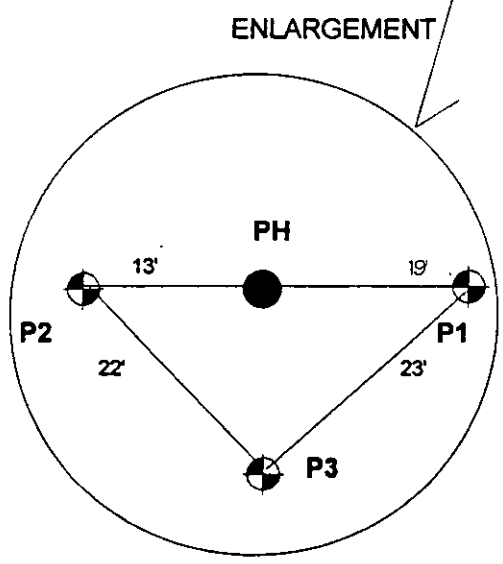
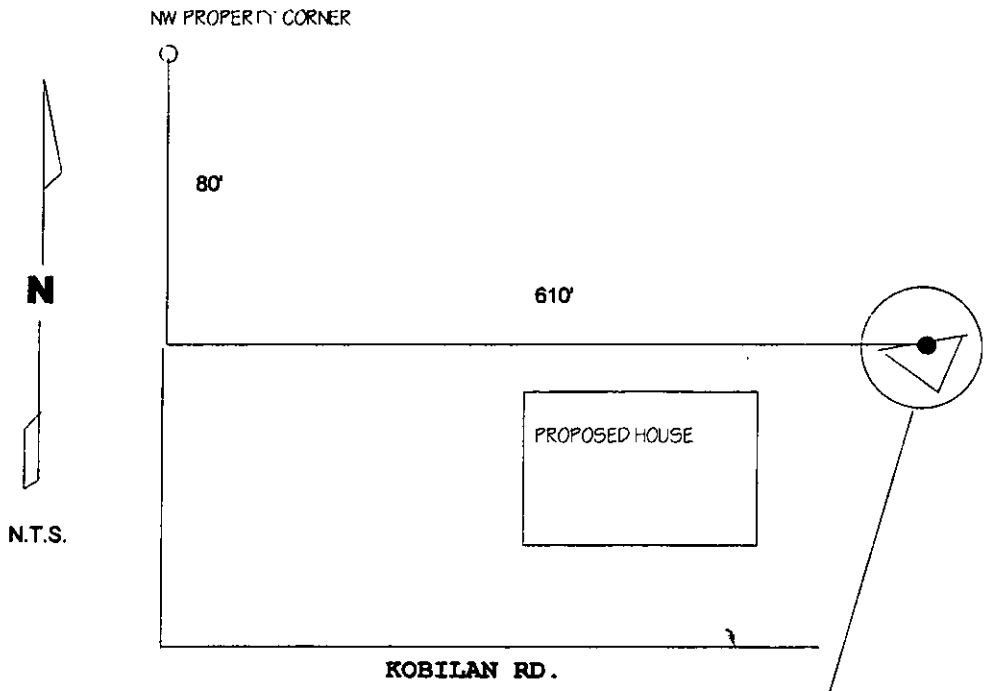
Observer: D. Hall

By: 

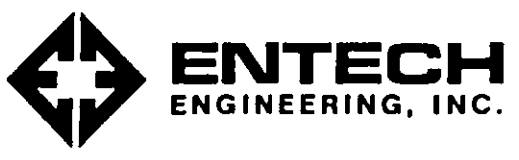


ENTECH
ENGINEERING, INC.

PERCOLATION TEST RESULTS



LOCATION OF PERCOLATION HOLES IS APPROXIMATE



PERCOLATION TEST LOCATION

Job No.
20517.1
Fig. No.
1

Drawn	Date	Checked	Date