

EL PASO COUNTY DEPARTMENT OF HEALTH AND ENVIRONMENT  
 INDIVIDUAL SEWAGE DISPOSAL SYSTEM INSPECTION FORM

Permit # 0N0000469  
 Date 6/17/99

APPROVED: YES  NO  # 4122000002 ENVIRONMENTALIST D. Fickey

Address 16824 Elbert Rd. Owner John Fenton

Legal Description S.W. 1/4 N.W. 1/4 & N.W. 1/4, S.W. 1/4, Sec 22, T. 11 S, R. 64 W, 6th P.M.  
 Residence , # of bedrooms 3; Commercial ; System Installer Steve Boring

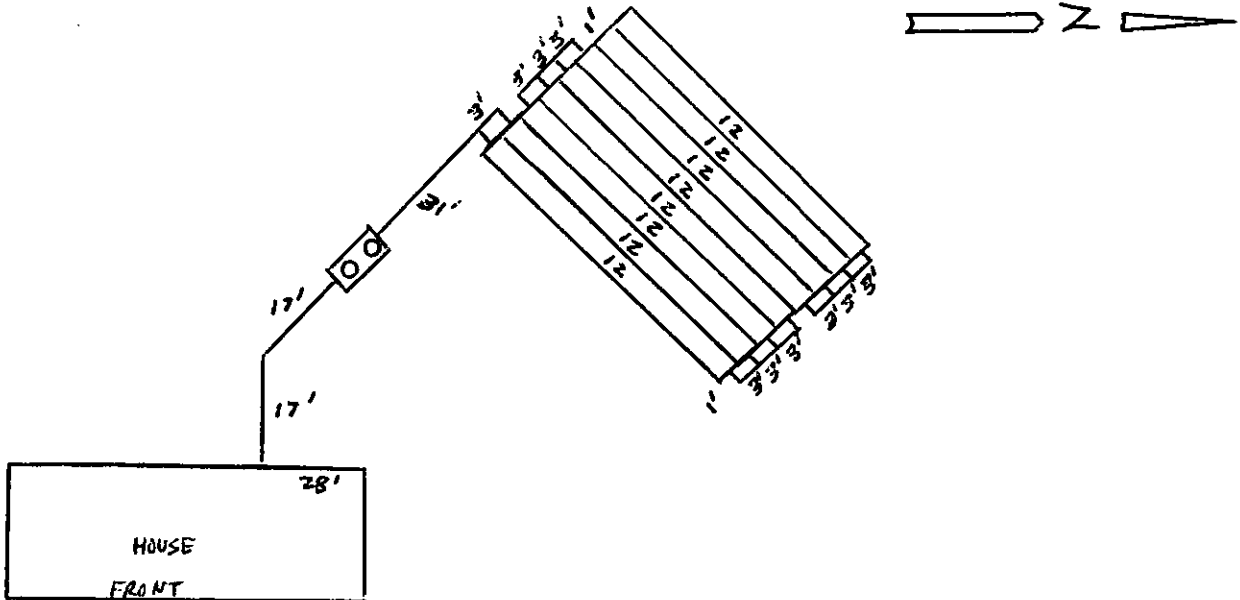
**SEPTIC TANK:**  
 Commercial ; Noncommercial , L     , W     , WD       
 Construction Material precast concrete, capacity 1250 gallons.

**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 infiltrator, number of chambers 9/6, bed , trench       
 sq. ft./section 15.5, reduction allowed 0%, sq. ft. required 1481  
 total sq. ft. installed 1488, depth of installation 31" avg  
 Engineer Design Y or  N, Designing Engineer     

Approval letter provided?  Y or N  
 Well 50 feet from tank Y or N 100 feet from leach field  Y or N  
 Well installed at time of septic system inspection  Y 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:** pipe = SDR35 \* Well is connected from Northern property.  
 \* Engineer recommended no reduction to be taken  
 System = bed = 8 rows of 12 chambers in each



Elbert Rd.

*[Signature]* TO WELL →

EL PASO COUNTY  
DEPARTMENT OF HEALTH AND ENVIRONMENT  
301 S Union Blvd, Colorado Springs, Colorado 719-578-3126



INDIVIDUAL SEWAGE DISPOSAL SYSTEM PERMIT

WATER SOURCE: WELL

PERMIT NUMBER: ON0000469

OWNER NAME: JOHN FENTON

DATE PERMITTED: 5/7/99

ADDRESS: 16824 ELBERT RD

CITY, STATE, ZIP: PEYTON

80831

PHONE NUMBER: 3032160130

INSTALLED BY: BORING, STEVE

*This permit is issued in accordance with 25-10-107 Colorado Revised Statutes. PERMIT EXPIRES upon completion-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.*

*Sewage disposal system to be installed by an El Paso County Licensed System Contractor or the property owner.*

**THIS PERMIT DOES NOT DENOTE APPROVAL OF ZONING AND ACREAGE REQUIREMENTS.**

PERMIT FEE (NON REFUNDABLE):

~~New Permit --- \$ 300.00~~ pd 5/10/99

ISDS Repair - \$ 50.00

Voided/Altered permit -- \$ 25.00

DIRECTOR, EL PASO COUNTY DEPARTMENT OF HEALTH AND ENVIRONMENT

ENVIRONMENTALIST / PHONE NUMBER

578-3117

PERMIT EXPIRATION DATE:

Expires twelve months from date of issue

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

MINIMUM SEPTIC TANK SIZE: 1,250 GALLONS

MINIMUM ABSORPTION AREA REQUIRED

1,481 SQ FT

PLANNING DEPARTMENTEN

jrn

ENUMERATION

jrn

FLOOD PLAIN

jrn

WASTEWATER

N/A

COMMENTS:

SEPTIC NOTES

SEPTIC SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH COUNTY ISDS REGULATIONS IN AREA OF PERC. TEST. LEACH FIELD DEPTH SHALL NOT EXCEED 24 INCHES, DUE TO BEDROCK AT 6 FEET. ENGINEER RECOMMENDS NO REDUCTION IS TO BE USED IF CHAMBERS ARE INSTALLED, THUS 96 CHAMBERS REQUIRED.

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.

EL PASO COUNTY HEALTH  
ENV. HLTH/AIR QUALITY

71-575-8636

5-10-79

RTD \$30

AL \$30

\$30

EK \$30

NO. 01

Inspector

Dave F.

Record I.D. 0469 AC

6004



EL PASO COUNTY ENVIRONMENTAL HEALTH SERVICES

301 South Union Boulevard • Colorado Springs, CO • 80910-3123 • (719) 578-3126

Rick Holm 535-5444

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

Todd 632-9085 Seeger Homes

Owner JOHN FENTON Daytime Phone 303-216-0130
Address of Property 16824 ELBERT RD PEYTON City & Zip Co. 80831
Legal Description S.W. 1/4, N.W. 1/4, + N.W. 1/4, S.W. 1/4, SEC 22, T. 11S, R. 64W, 6TH P.M.
Tax Schedule # 41000-00-264 Lot Size 37.5 AC Septic Contractor/Phone BORING
Inside City Limits [X] No [ ] Yes-City Water Supply [X] Well or Spring [ ] Cistern [ ] Public
Type of Building [ ] Frame [ ] Mobile [X] Modular [ ] Other
Owner's Mailing Address SEEGER HOMES 3800 N. NEVADA AVE, State & Zip Co. 5725, CO. 80907

MAXIMUM POTENTIAL BEDROOMS 3 REF 19 APR 99

Basement Y (N) Percolation Test Attached (Y) N Garbage Disposal (Y) N Clothes Washer (Y) 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 an 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. 25-10-107 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 John Fenton Date 4-15-99 4/19/99 AC

DEPARTMENT OF HEALTH USE ONLY

1481 ft^2 Minimum Absorption Area 1250 gal Minimum Tank Capacity 4/19/99 Date of Site Inspection

REMARKS

Septic system shall be installed in accordance with county ISDS regulations in area of perc. test. Leach field depth shall not exceed 24 inches, due to bedrock at 6 feet. Engineer recommends no reduction is to be used if chambers are installed, thus 96 chambers required.

address for 3rd dwelling 16824 Elbert Rd

EHS INSPECTOR [Signature] DATE 4/20/99 APPROVED DENIED
PERMIT # 0N0000 469 FEE NO FEE DATE TO PLANNING DEPT 4/20/99 AC attached
DATE TO WASTEWATER DISTRICT Pd 5/10/99



We require a copy of your percolation **(PERC) TEST** with an original professional engineer's (PE) stamp and signature.

- 2) A **PLOT PLAN** must be drawn (not to scale) on a 8 1/2 x 11 sheet of paper. The plot plan must include
  - 1) a north bearing
  - 2) property lines
  - 3) property dimensions
  - 4) all buildings (proposed or existing)
  - 5) proposed septic system site
  - 6) designated alternate septic system site
  - 7) driveway (proposed or existing and name of adjoining street)
- 3) Initial any of the following features that apply to your property and include them on your plot plan.
  - Well(s)
  - Cistern
  - Adjacent property well(s)
  - Water line
  - Subsoil drain
- 4) Initial any of the following that are within 100 feet of your proposed septic system and include on your plot plan.
  - Spring(s)
  - Pond(s)
  - Dry Gulch(es)
  - Lake(s)
  - Stream(s)
  - Natural drainage course(s)
- 5) **PROPERTY ADDRESS OR LOT NUMBER MUST BE POSTED AND CLEARLY VISIBLE FROM ROAD. PERC HOLES MUST BE CLEARLY MARKED.**

6) GIVE COMPLETE DIRECTIONS TO THE PROPERTY FROM A MAIN HIGHWAY

EAST ON Hwy. 74 TO ELBERT RD.  
NORTH ON ELBERT RD TO 16888 ON WEST SIDE

16824 Elbert Rd

# 4122φφφφφ 2

June 14, 1999

Seeger Homes  
3800 North Nevada Avenue  
Colorado Springs, Colorado 80907

E  
06-17-99



**ENTECH**  
ENGINEERING, INC.

505 ELKTON DRIVE  
COLORADO SPRINGS, CO 80907  
PHONE (719) 531-5599  
FAX (719) 531-5238

Attn: Ken Rottger

Re: Test Pit Observation  
16888 Elbert Road  
El Paso County, Colorado

Reference) Percolation Test by Entech Engineering, Inc. dated April 13, 1999, Job #58319

Dear Mr. Rottger:

On June 10, 1999, personnel of Entech Engineering, Inc. performed a test pit observation at the above referenced address. The purpose of our visit was to verify the depth of bedrock in the test pit excavated alongside of the absorption field excavation.

Sandstone bedrock was encountered in the test pit alongside of the absorption field excavation at an approximate depth of 8 feet. A 4 foot buffer of native sands should be maintained between the bottom of the infiltrators and bedrock. The field should be installed no deeper than 3½ feet below existing grade.

We trust 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,

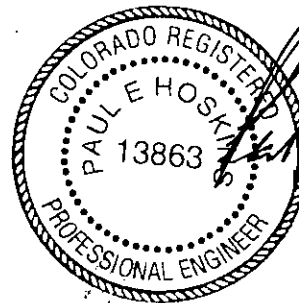
ENTECH ENGINEERING, INC.

Ryan J. Hardesty, E.I.

RJH/mls

Encl.

Entech Job No. 58319  
2MSWlet/58319tpo.doc



Reviewed by:

Paul E. Hoskins  
P.E. #13863

April 13, 1999



**ENTECH**  
ENGINEERING, INC.

505 ELKTON DRIVE  
COLORADO SPRINGS, CO 80907  
PHONE (719) 531-5599  
FAX (719) 531-5238

Seeger Homes  
3800 North Nevada Avenue  
Colorado Springs, Colorado 80907

Attn: Ken Rottger

Re: Percolation Test  
16888 Elbert Road  
El Paso County, Colorado

Dear Mr. Rottger:

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

The percolation test was performed on April 7 and 8, 1999. The location of the percolation holes is shown in Figure 1. Soils encountered in the profile and percolation holes consisted of clayey sand overlying silty, clayey sandstone bedrock. No groundwater was encountered in the profile hole which was drilled to 10 feet. Sandstone bedrock was encountered in the profile hole at a depth of 6 feet.

The average percolation rate was determined to be 47 minutes/inch. Percolation results are shown in Figure 2. Based on a percolation rate of 47 minutes/inch, the field should be 309 square feet per bedroom. The field should be 494 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. The field should be installed no deeper than 2 feet below existing grade. A 4 foot buffer of native sands should be maintained between the bottom of the infiltrators and bedrock. A test pit should be excavated to determine depth of bedrock. 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.

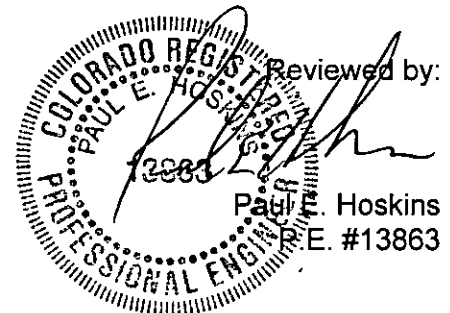
Ryan J. Hardesty, E.I.

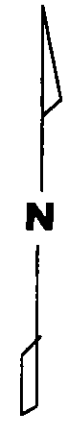
RJH/mls

Encl.

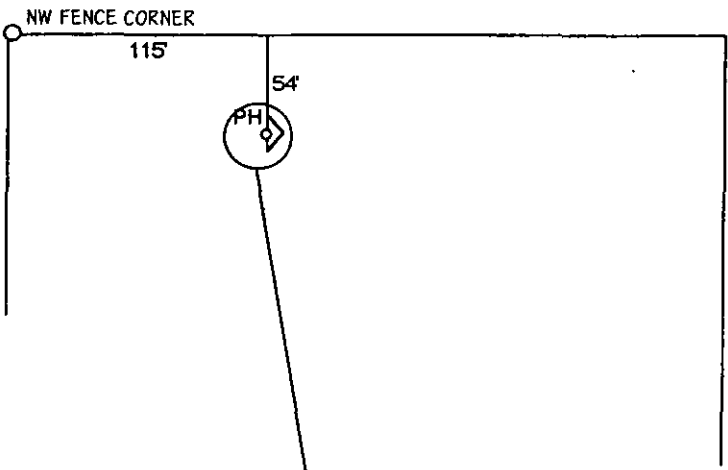
Entech Job No. 58319

2MSWlet/58319pt.doc

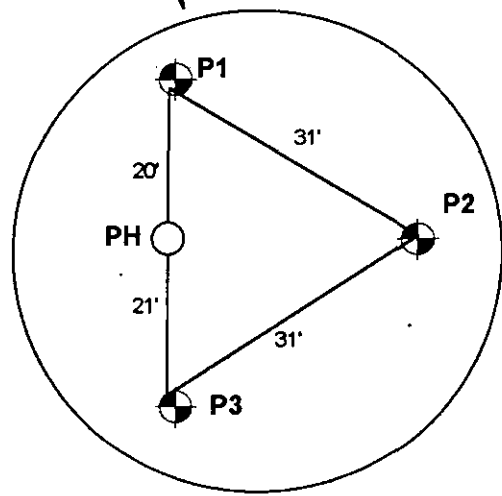




N.T.S.



ENLARGEMENT



LOCATION OF PERCOLATION HOLES IS APPROXIMATE



PERCOLATION TEST  
LOCATION

| Drawn | Date | Checked | Date    |
|-------|------|---------|---------|
|       |      | KAH     | 4/13/99 |

Job No.  
58319  
Fig. No.  
1



Client: Seeger Homes  
Test Location: 16888 Elbert Road

Job Number: 58319

### PERCOLATION HOLES

Date Holes Prepared: 4/7/99

Date Hole Completed: 4/8/99

Hole No. 1

Depth: 35"

Hole No. 2

Depth: 33"

Hole No. 3

Depth: 34"

| <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                 | 1/8                             | 1            | 10                 | 3/16                            | 1            | 10                 | 7/8                             |
| 2            | 10                 | 3/16                            | 2            | 10                 | 3/16                            | 2            | 10                 | 5/8                             |
| 3            | 10                 | 1/8                             | 3            | 10                 | 1/8                             | 3            | 10                 | 11/16                           |

Perc Rate (min./in.): 69

Perc Rate (min./in.): 60

Perc Rate (min./in.): 14

Average Perc Rate (min./in.) 47

### PROFILE HOLE

Date Profile Hole Completed: 4/7/99

| <u>Depth</u> | <u>Visual Classification</u>    | <u>Remarks</u>                 |
|--------------|---------------------------------|--------------------------------|
| 0-6'         | Sand, Clayey, Brown             |                                |
| 6'-10'       | Sandstone, Silty, Clayey, Brown | Bedrock @ 6'<br>No Groundwater |

30 Blows / ft. @ 4'  
25 Blows / 5 in. @ 9'

Required Area of Absorption Field: 1.37 Sq. Ft./gpd sewage volume  
Required Area of Absorption Field: 309 Sq. Ft./bedroom  
Required Area of Absorption Field: 494 Sq. Ft./bedroom with garbage disposal and washing machine

Remarks:

Observer: D. Hall

By: 



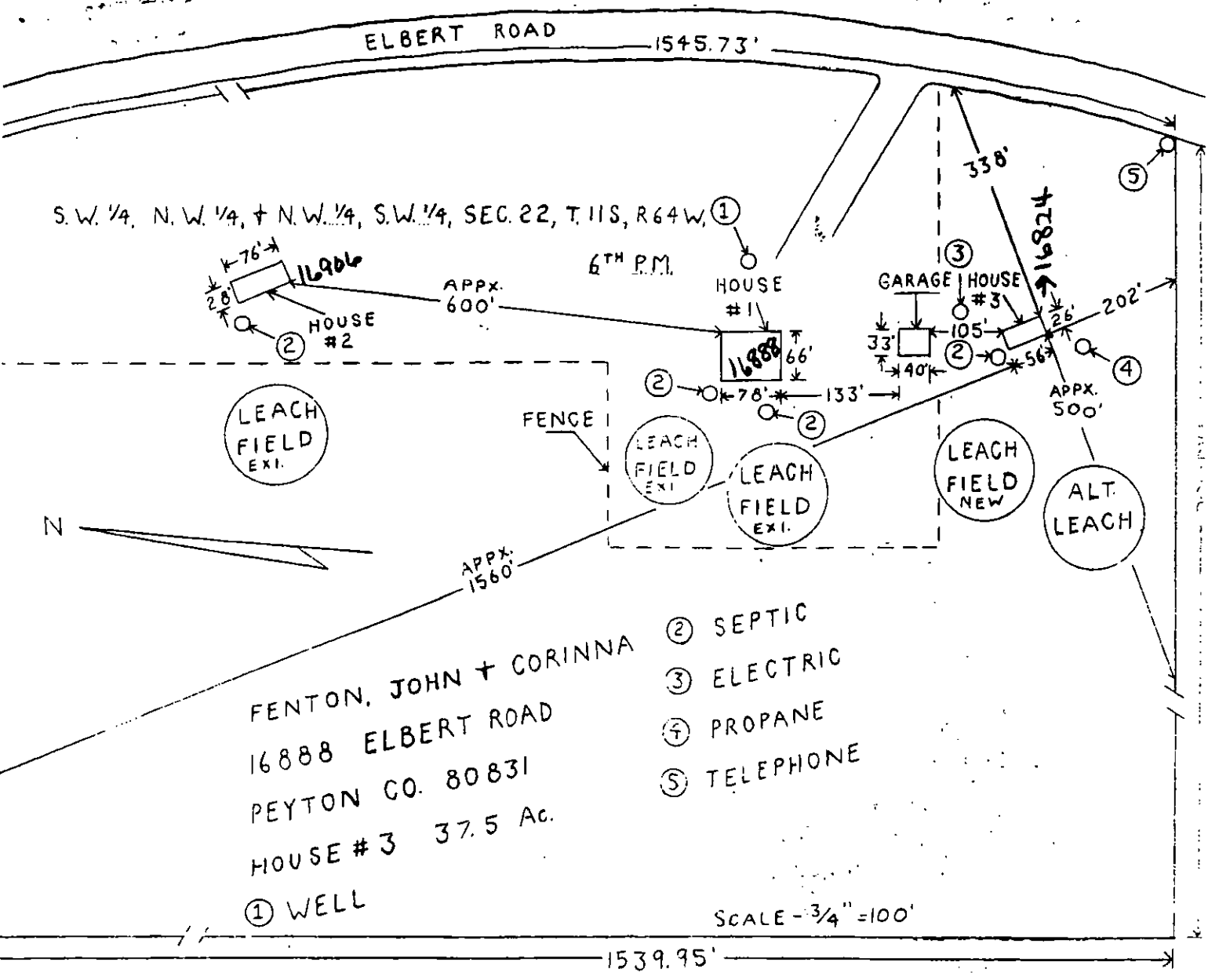
**ENTECH**  
ENGINEERING, INC.

### PERCOLATION TEST RESULTS

|       |      |         |         |
|-------|------|---------|---------|
| Drawn | Date | Checked | Date    |
|       |      | LAH     | 4/15/99 |

Job No.  
58319  
Fig. No.

2



FENTON, JOHN + CORINNA  
 16888 ELBERT ROAD  
 PEYTON CO. 80831  
 HOUSE #3 37.5 Ac.

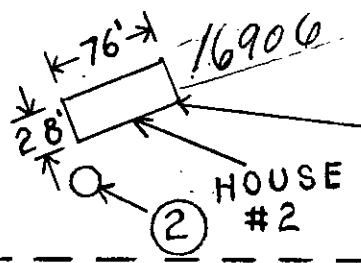
- ② SEPTIC
- ③ ELECTRIC
- ④ PROPANE
- ⑤ TELEPHONE

① WELL

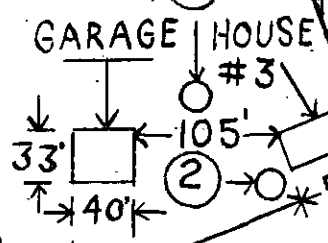
SCALE - 3/4" = 100'

ELBERT ROAD 1545.73'

S.W. 1/4, N.W. 1/4, + N.W. 1/4, S.W. 1/4, SEC. 22, T. 11S, R. 64W, ①



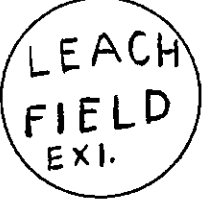
6<sup>TH</sup> P.M.



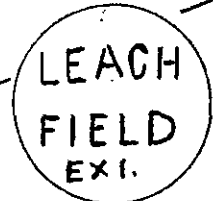
Proposed 3<sup>rd</sup> dwelling

2000'

N



FENCE



APPX. 1560'

2000'

FENTON, JOHN + CORINNA  
16888 ELBERT ROAD  
PEYTON CO. 80831

- ② SEPTIC
- ③ ELECTRIC
- ④ PROPANE
- ⑤ TELEPHONE

HOUSE #3 37.5 Ac.

① WELL

SCALE - 3/4" = 100'

1539.95'