

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

Permit # 011728

Date 2/4/98

APPROVED: YES ☒ NO ☐

ENVIRONMENTALIST Larry Schaad

Address 10120 Horseback Trail

Owner Seeger Homes, Inc

Legal Description Lot 55, Felling 1, Heritage Ranch Estates

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 infiltrators, number of chambers 52, bed ☐, trench ☒

sq. ft./section 15.5, reduction allowed 40%, sq. ft. required 1332

total sq. ft. installed 1343, depth of installation 28-49"

Engineer Design Y or (N), Designing Engineer ☐

Approval letter provided? Y or N

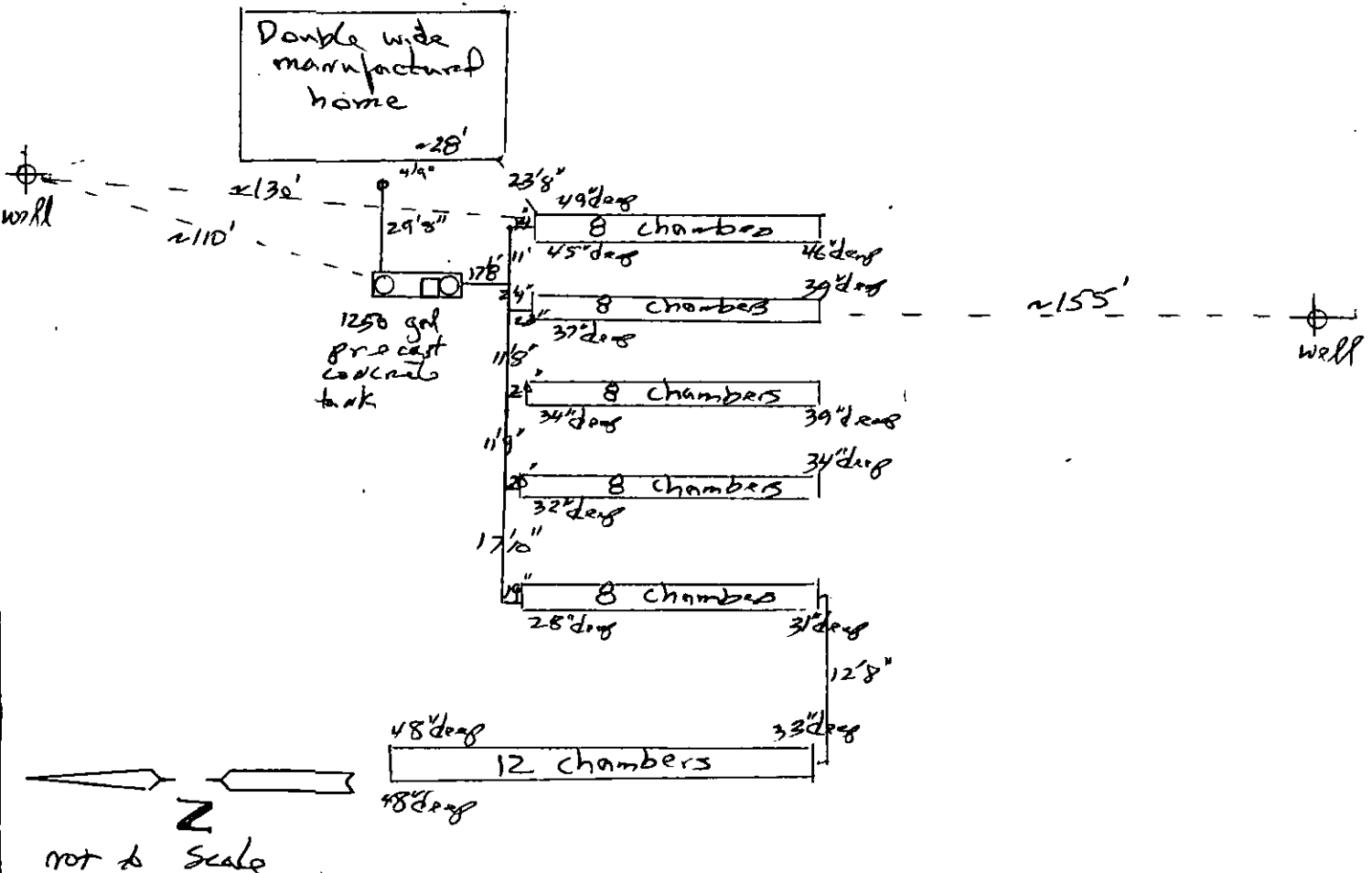
Well 50 feet from tank (Y) or N 100 feet from leach field (Y) or N

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: Pipes SDR 35

Advised owner as installer that pipe close to home (after cleanout) is level and needs to be raised
System not connected to home at time of inspection



Acres 5 **EL PASO COUNTY • DEPARTMENT OF HEALTH AND ENVIRONMENT**
301 South Union Blvd. • Colorado Springs, Colorado • 578-3125
Water Supply WELL Permit 01172
PERMIT
TO CONSTRUCT, ALTER, REPAIR OR MODIFY ANY INDIVIDUAL SEWAGE DISPOSAL SYSTEM
Issued to SEEDER HOMES, INC. Date 9-9-97
Address of Property 10120 HORSEBACK TRAIL, LOT 55, FIL. #1, HERITAGE RANCH EST. Phone 632-9085

(Permit valid at this address only)

Sewage-Disposal System work to be performed by STEVE BORING Phone 632-9085

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-

\$245.00

PERMIT FEE (NOT REFUNDABLE)
9-9-98

[Signature]
DIRECTOR, DEPARTMENT OF HEALTH AND ENVIRONMENT

[Signature]
ENVIRONMENTALIST

DATE OF EXPIRATION

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

SEPTIC TANK:	TRENCH SYSTEM:	BED SYSTEM:	SEEPAGE PIT SYSTEM:
1250	total square feet <u>1332</u>		total square feet _____
_____gallons	_____ ft. of trench _____ inches wide		_____ rings or _____ diam.x _____ w/d
	_____ ft. of trench _____ inches wide	total square feet _____	

NOTES: **WATCH CLAY LENS AND PENETRATE THEM PER ENGINEER. INSTALL LEVEL LEACH FIELD IN AREA AND DEPTH (30-32 INCHES) OF PERC. TEST.**

COULD NOT FIND PERC. HOLES, SOME STAKES KNOCKED DOWN IN AREA OF PERC. TEST.

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 ENVIRONMENTAL HEALTH SERVICES
301 South Union Boulevard Colorado Springs, CO 80910-3123
APPLICATION FOR A NEW, REMODEL, REPAIR, OR ADDITION
TO AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

Owner SEEGER HOMES INC Phone 632-9085
Address of Property 10120 HORSEBACK TR Lot Size 5 AC. Water Supply WELL
Tax Sch # 42260-02-008 Septic Contractor & Phone # BORING 632-9085
Legal Description LOT # 55 FIL # 1 HERITAGE RANCH ESTS.
Type of Building MF. H. Owner's Mailing Address 3800 N. NEVADA AV. CO. SPRS CO. 80907

MAXIMUM POTENTIAL BEDROOMS THREE
Basement Y ☒ 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 [Signature] Date 7-2-97

DEPARTMENT OF HEALTH USE ONLY		
Absorption Area <u>1332 ft²</u>	Tank Capacity <u>1250</u>	Date of Site Inspection <u>9/1/97</u>
REMARKS: <u>Could not find perc holes, some stakes knocked down in run of perc test. Watch clay beds and penetrate them for engineer. Install level leach field in area and depth (30-32") for perc test.</u>		
EHS INSPECTOR <u>[Signature]</u> Date <u>9/1/97</u>		
PERMIT # <u>11728</u> FEE <u>CHECK 6922</u> DATE TO EPC PLANNING DEPT <u>9/3/97</u>		

9-9-97

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

REK

GIVE COMPLETE DIRECTIONS TO THE PROPERTY FROM A MAIN HIGHWAY

EAST ON HWY 24 TO ELBERT RD.
SOUTH ON ELBERT TO SPENCER RD. W.
EAST ON SPENCER TO HERITAGE PK. TR.
SOUTH ON HERITAGE TO HORSEBACK TR.
EAST ON HORSEBACK - LOOK FOR 10120 ON RIGHT.



**ENTECH
ENGINEERING, INC.**

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

May 16, 1997

Seeger Homes
3800 North Nevada Avenue
Colorado Springs, Colorado 80907

#4226002008
02/04/1998

E

Attn: Ken Rottger

Re: Percolation Test
10120 Horseback Trail, Lot 55
El Paso County, Colorado

Dear Mr. Rottger:

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 May 1 and 2, 1997. The location of the percolation holes is shown in Figure 1. Soils encountered in the profile and percolation holes consisted of silty sand with clayey silt lenses. No bedrock or groundwater was encountered in the profile hole which was drilled to 10 feet.

The average percolation rate was determined to be 38 minutes/inch. Percolation results are shown in Figure 2. Based on a percolation rate of 38 minutes/inch, the field should be 277 square feet per bedroom. The field should be 444 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. Clayey silt lenses encountered in the excavation should be penetrated to provide the highest percolation rate at this site. A maximum reduction in field size of 30% for the use of infiltrators is 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,

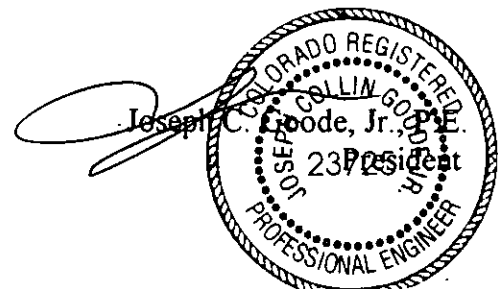
ENTECH ENGINEERING, INC.

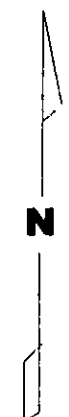
Mark Clippinger

Mark E. Clippinger, EIT
MEC/yb

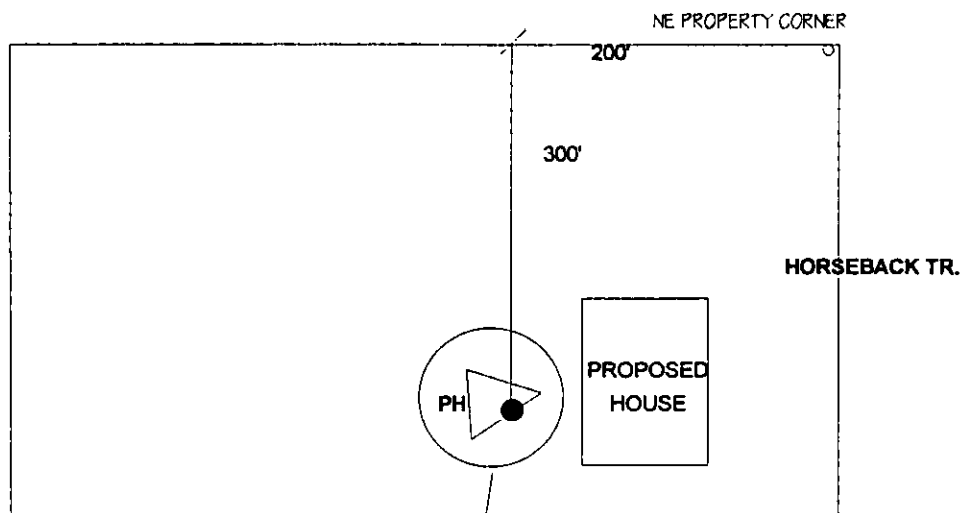
Encl. Entech Job No.18837.1
2MSW1cl/18837p.doc

Reviewed by:

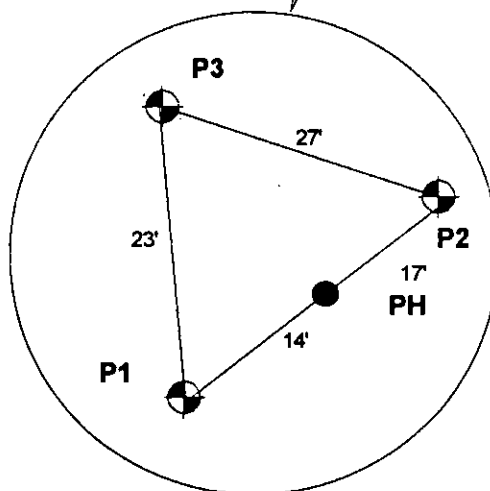




N.T.S.



ENLARGEMENT



LOCATION OF PERCOLATION HOLES IS APPROXIMATE



ENTECH
ENGINEERING, INC.

**PERCOLATION TEST
LOCATION**

Drawn

Date

Checked

Date

Job No.

18837.1

Fig. No.

1

Client: Seeger Homes
Test Location: 10120 Horseback Tr., Lot 55

Job Number: 18837

PERCOLATION HOLES

Date Holes Prepared: 5/1/97

Date Hole Completed: 5/2/97

Hole No. 1

Depth: 30"

	Time	Water
	(min.)	Level
<u>Trial</u>		<u>Change (in.)</u>
1	10	1/4
2	10	1/4
3	10	1/4

Perc Rate (min./in.): 40

Hole No. 2

Depth: 31"

	Time	Water
	(min.)	Level
<u>Trial</u>		<u>Change (in.)</u>
1	10	1/4
2	10	3/16
3	10	3/16

Perc Rate (min./in.): 53

Hole No. 3

Depth: 32"

	Time	Water
	(min.)	Level
<u>Trial</u>		<u>Change (in.)</u>
1	10	5/63
2	10	9/16
3	10	1/2

Perc Rate (min./in.): 20

Average Perc Rate (min./in.) 38

PROFILE HOLE

Date Profile Hole Completed: 5/1/97

Depth

Visual Classification

Remarks

0-10'

Sand, Silty with Clay Lenses, Light Brown

No Bedrock
No Groundwater

9 Blows / ft. @ 4'
11 Blows / ft. @ 9'

Required Area of Absorption Field:	1.23 Sq. Ft./gpd sewage volume
Required Area of Absorption Field:	277 Sq. Ft./bedroom
Required Area of Absorption Field:	444 Sq. Ft./bedroom with garbage disposal and washing machine

Remarks:

Observer: D. Hall

By:



ENTECH
ENGINEERING, INC.

PERCOLATION TEST RESULTS



DARLOW ENGINEERING CO.
1119 Panorama Dr.
COLORADO SPRINGS, COLORADO 80904
633-9440

PERCULATION TEST REPORT

3 TEST HOLES: 4" DIA. X 30" IN DEPTH

WATER LEVEL 8'

8 FT. DEEP SOIL SAMPLE HOLE

RANGE OF EACH LAYER To 8 Feet	TOP SOIL	SAND	CLAY HARD	CLAY SOFT	PACKED or LOOSE	GRAVEL	SAND & GRAVEL	SILT	DECOMPOSED GRANITE	BED ROCK
0"-4"	✓									
4"-8'				Trace	Loose		✓			

TIME	Hole #1		Hole #2		Hole #3	
	IN	DROP	IN	DROP	IN	DROP
12-10-83 PM						
2:00	24"		24"		24"	
10		5		4.5		5
20		4.5		4		4.5
30		4		3.5		4
40		3		3		3
50		2		2.5		2.5
3:00		2		2		2
	Min/in 5		Min/in 5		Min/in 5	

CUSTOMER & LOCATION
John Sandवाल
Lot 55 Haverdige Ranch

Presoak	From	To
Date 12-10-83	1:00	

Henry W. Danley
HENRY W. DANLEY P.E.

AVERAGE : Min/in = 5

THIS FORM MUST BE ACCOMPANIED BY A PLOT PLAN SHOWING THE LENGTHS OF THE PROPERTY LINES, THE POSITION OF THE BUILDING RELATIVE TO THE PROPERTY LINES, THE GENERAL LOCATION OF THE WELL AND THE SEPTIC TANK AND THE DISTANCE FROM THE LEECH FIELD TO THE WELL (MIN. 100 FEET)