

# 4308007029

EL PASO COUNTY DEPARTMENT OF HEALTH AND ENVIRONMENT  
INDIVIDUAL SEWAGE DISPOSAL SYSTEM INSPECTION FORMPermit # ON0000454Date 5-19-99APPROVED: YES ☒ NO ☐ENVIRONMENTALIST Larry SchradAddress 6875 Buckboard DriveOwner Thomas PfestLegal Description Lot 74 Falcon Heights Filing 4Residence ☒ # of bedrooms 4; Commercial ☐; System Installer De Burca

## SEPTIC TANK:

Commercial ☒; Noncommercial ☐ L        W        WD         
Construction Material precast concrete, capacity 1500 gallons.

## DISPOSAL FIELD:

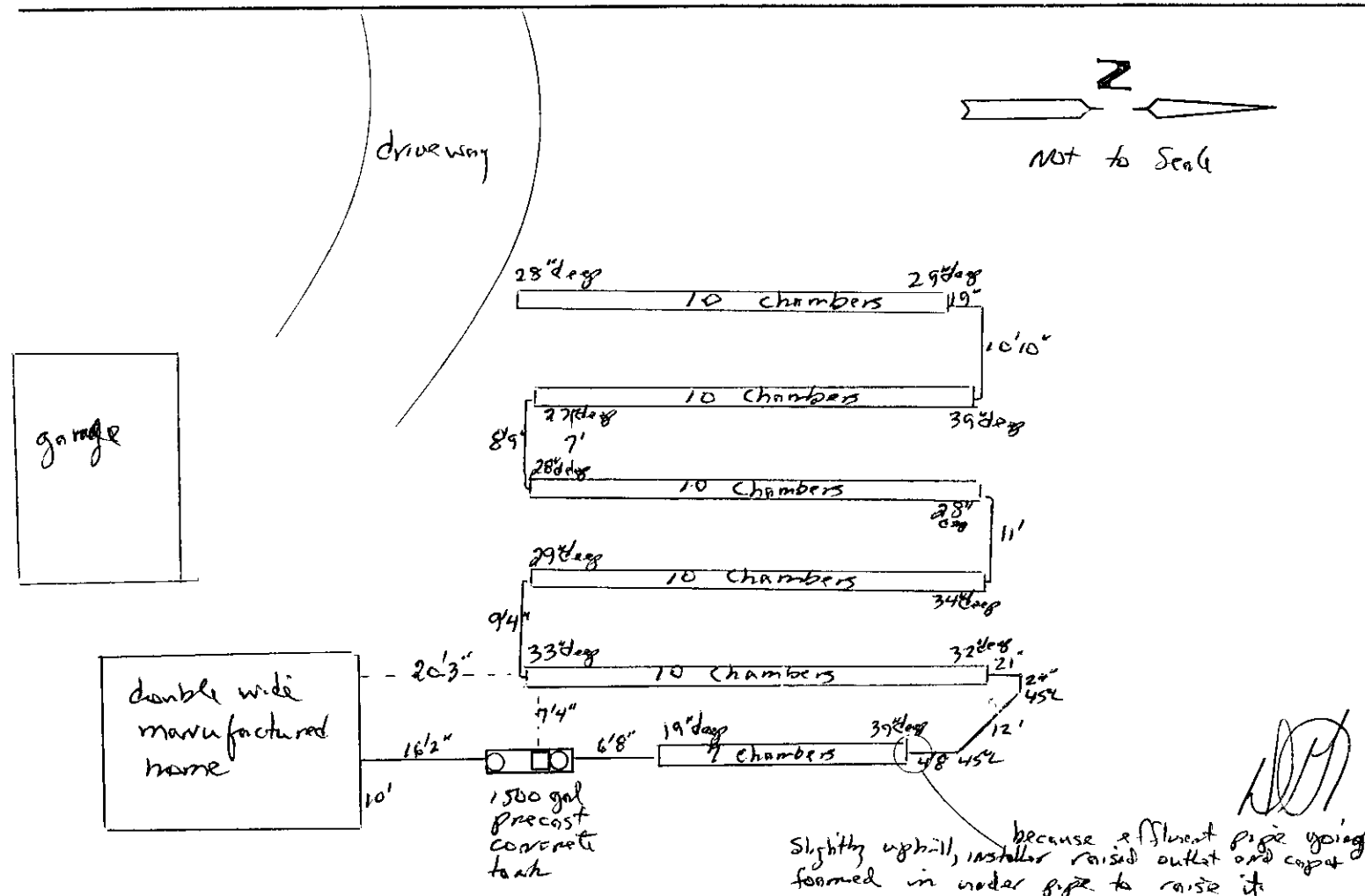
## Rock Systems:

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 Equal 51 36 (infiltrators) number of chambers 57, bed       , trench ☒sq. ft./section 27.77, reduction allowed 0 %, sq. ft. required 1578total sq. ft. installed 1582, depth of installation 19-39Engineer Design Y or (N) (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 35Advise installers to tell owners to avoid driving on leach field

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: PUBLIC

PERMIT NUMBER: ON0000454

OWNER NAME: THOMAS PFOST

DATE PERMITTED: 4/22/99

ADDRESS: 6875 BUCKBOARD DRIVE

CITY, STATE, ZIP: FALCON

80831

PHONE NUMBER: 7196833789

INSTALLED BY: JOE BURCIAGA

*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

ISDS Repair -\$ 50.00

Voided/Altered permit --\$ 25.00

*K. H. H. H. H. H.*  
DIRECTOR, EL PASO COUNTY DEPARTMENT OF HEALTH AND ENVIRONMENT

PERMIT EXPIRATION DATE: 1-21-00  
Expires twelve months from date of issue

*Larry Schaad* 575-8638  
ENVIRONMENTALIST / PHONE NUMBER

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

MINIMUM SEPTIC TANK SIZE: 1,500 GALLONS

MINIMUM ABSORPTION AREA REQUIRED 1,578 SQ FT

PLANNING DEPARTMENTEN



ENUMERATION



FLOOD PLAIN



WASTEWATER



COMMENTS:

SEPTIC NOTES

INSTALL MODIFIED CONVENTIONAL LEACH FIELD PER PERC. TEST. INSTALL LEVEL LEACH FIELD IN AREA OF PERC. TEST, AT A DEPTH OF 30 INCHES AFTER OVER EXCAVATING AND REPLACING WITH 2 FEET OF CLEAN SAND PER ENGINEER. IN ADDITION TO HEALTH DEPARTMENT'S APPROVAL, WE REQUIRE ENGINEER'S LETTER AS TO COMPLIANCE WITH DESIGN AS STATED ON 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.

Inspector

Be LarryRecord i.D. 0454

## EL PASO COUNTY ENVIRONMENTAL HEALTH SERVICES

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

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

Owner Thomas Pfost Daytime Phone (719) 683-3789  
 Address of Property 6875 Buckboard Drive City & Zip Falcon, Co. 80831  
 Legal Description Lot 74, Falcon Heights, Filing 4, El Paso County, Colorado  
 Tax Schedule # 43000-00-451 Lot Size 2.65 ac Septic Contractor/Phone Joe Burcaiga (719) 683-3789  
 Inside City Limits ☒ No ☐ Yes-City Central Water Supply ☐ Well or Spring ☐ Cistern ☒ Public  
 Type of Building ☐ Frame ☐ Mobile ☐ Modular ☒ Other Manufactured  
 Owner's Mailing Address 13130 Cottontail Drive <sup>W</sup> LAKE City, State & Zip Falcon, Co. 80831

MAXIMUM POTENTIAL BEDROOMS 4Basement Y ☒ NPercolation Test Attached ☒ NGarbage Disposal ☒ NClothes 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 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 [Signature]Date 4-14-99

## DEPARTMENT OF HEALTH USE ONLY

1578 ft<sup>2</sup> Minimum Absorption Area 1500 Minimum Tank Capacity 4/19/99 Date of Site Inspection <sup>30" max 30"</sup>

REMARKS Install modified conventional leach field per per test. Install level leach field in area of per test, at a depth of 30" after over excavating & replacing with 2' of clean sand per engineer. In addition to Health Department approval, we require engineer's letter as to compliance with design and stated on per test.

EHS INSPECTOR [Signature]DATE 4/19/99APPROVED ☒DENIED ☐PERMIT # 0N0000454FEE ☒ NO FEE ☐DATE TO PLANNING DEPT 4-14-99DATE TO WASTEWATER DISTRICT Attached OKmail permit 4/23/99

1) 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     | 4) all buildings (proposed or existing)    | 7) driveway (proposed or existing and name of adjoining street) |
| 2) property lines      | 5) proposed septic system site             |   |
| 3) property dimensions | 6) designated alternate septic system site |   |

3) Initial any of the following features that apply to your property and include them on your plot plan.

- |               |                                 |                     |
|---------------|---------------------------------|---------------------|
| _____ Well(s) | _____ Adjacent property well(s) | _____ Subsoil drain |
| _____ Cistern | _____ Water line                |                     |

4) Initial any of the following that are within 100 feet of your proposed septic system and include on your plot plan.

- |                     |                                  |
|---------------------|----------------------------------|
| _____ Spring(s)     | _____ Lake(s)                    |
| _____ Pond(s)       | _____ Stream(s)                  |
| _____ Dry Gulch(es) | _____ 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**

TAKE HIGHWAY 24 EAST OF COLORADO SPRINGS TO FALCON HIGHWAY, TURN RIGHT GO EAST 1 3/4 MILES TO ABILENE DRIVE, AND TURN LEFT. GO NORTH 1/2 MILES TO BLUE BARN, TURN RIGHT. GO 1/4 MILES TO MALLARD, GO NORTH 1/4 MILES TO PROPERTY.

PLEASE CALL (719) 683-3789, WITH ANY ADDITIONAL QUESTIONS OR STOP BY THE FALCON HEIGHTS SALES OFFICE FOR FURTHER DETAILS.

6875 Buckboard Drive  
# 4308007029  
E

PERCOLATION TEST FOR:

FALCON HEIGHTS  
Lot #74 File #4 FALCON HEIGHTS

05-19-99

PERFORMED BY:

CERTIFIED PERC TEST  
Stan Crew  
14160 Neva Lane  
Colorado Springs Colorado 80908-3309  
(719) 495-3502

REVIEWED BY:

ALLISON ENGINEERING INC.  
James L. Allison Ph.D. P.E. (Civil Engineering)  
4245 Log Road  
Peyton Colorado 80831  
(719) 683-2756

TEST DATE:  
April 8 1999

PERCOLATION TEST CONCLUSIONS:

Standard Penetration Test done as part of this percolation test indicates cemented sands or sandstone. In order to provide infiltration conduit to lower, softer soil strata, over-excavate by 2' and replace with 2' of clean sand. Additionally, size for a percolation rate of 29.2 minutes per inch at a depth of 30" below native grade.

As soil conditions at this location are very erratic, the engineer may be contacted at time of excavation for a possible field modification.



# ALLISON ENGINEERING INC.

James L. Allison, P.E.

4245 Log Rd.

Peyton CO 80831

(719) 683-2756

WATER LEVEL 98 +"

Depth

## DEEP SOIL SAMPLE HOLE DESCRIPTION

0-12"	Loose, fine-medium moderate heavy sand, trace moderate silt/clay, brown, slightly moist
12"-24"	Loose-hard packed, fine-coarse moderate heavy sand, fine trace moderate gravel, trace moderate silt/clay, lt. olive/brown, slightly moist
24"-36"	SPT 46v12, fine-coarse moderate heavy sand, fine trace moderate gravel, trace moderate silt/clay, lt. olive/brown, slightly moist
36"-48"	Hard packed-packed, fine-coarse moderate heavy sand, fine trace moderate gravel, trace moderate silt/clay, lt. olive/brown, slightly moist
48"-60"	SPT 32v12, fine-medium moderate heavy sand, moderate silt/clay, lt. olive/gray, moist
60"-72"	Hard packed-packed, fine-medium moderate heavy sand, moderate silt/clay, lt. olive/gray, moist
72"-84"	SPT 29v12, fine-medium moderate heavy sand, moderate heavy silt/clay, lt. olive/tan, moist
84"-96"	Hard packed-packed, fine-medium moderate sand, moderate heavy silt/clay, lt. olive/gray, moist, (few clay lenses)

TIME	TEST HOLE #1		TEST HOLE #2		TEST HOLE #3		TEST HOLE #4		TEST HOLE #5		TEST HOLE #6	
	INCH	DROP	INCH	DROP	INCH	DROP	INCH	DROP	INCH	DROP	INCH	DROP
12:02												
12:32	30"	134	30"	238	30"	2 3/4						
1:02	30"	138	30"	17/16	30"	1 1/4						
1:32	30"	11/16	30"	138	30"	11/16						
2:02	30"	78	30"	15/16	30"	1 1/2						
2:32	30"	11/16	30"	114	30"	138						
3:02	30"	11/16	30"	114	30"	17/16						
	MIN./INCH		MIN./INCH		MIN./INCH		MIN./INCH		MIN./INCH		MIN./INCH	
	43.6		24		20.1							

\* all ratiocination subject to final approval by your local health dept. \*

### La Mott Results

Sample Depth	Sand	Silt	Clay
2'	74%	3%	23%
4'	53%	11%	36%
6'	53%	14%	33%
8'	40%	14%	46%

LaMott soil testing is a qualitative method of classifying soils by clay-silt-sand composition using volume

	DATE	TIME
DRILL	4/7/99	10:30 PM
FILL	4/8/99	10:15 AM
TEST	4/8/99	12:02 PM

CUSTOMER & LOCATION	
FALCON HEIGHTS	
Lot #74 File #4 FALCON HEIGHTS	
ALL TESTS SUBJECT TO FINAL APPROVAL OF YOUR LOCAL HEALTH DEPT.	

test valid to 1 year of test date

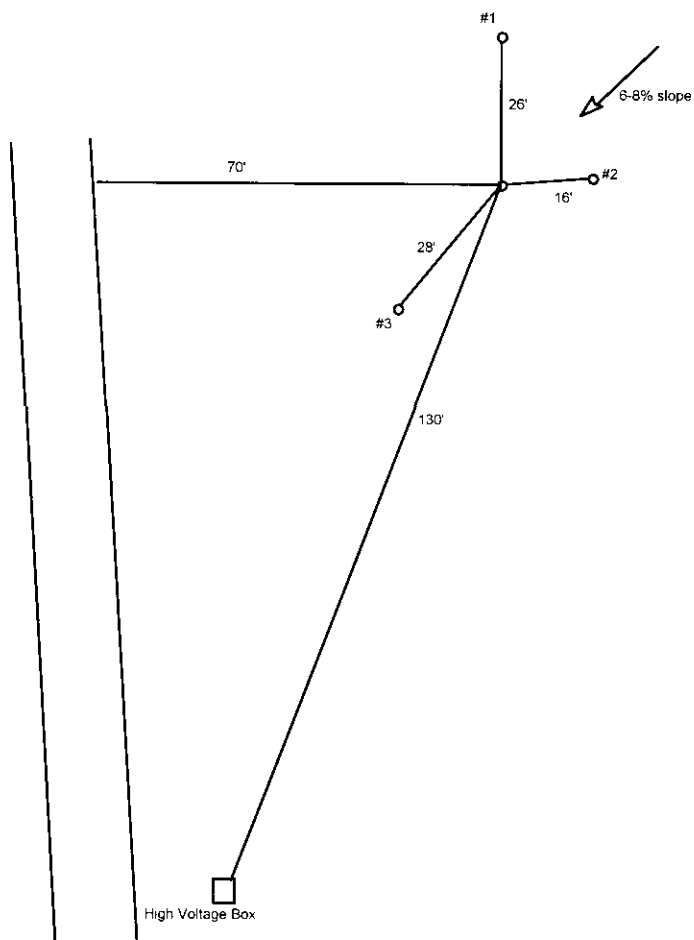
AVERAGE: 29.2 MIN./INCH

Page

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of


4



Lot #74 File #4 FALCON HEIGHTS

Scale 1"=30'

Page 3 of 4

 = not to scale

Allison Engineering, Inc.  
4245 Log Road  
Peyton, Colorado 80831  
(719) 331-6538 (PCS)  
(719) 683-5547 (FAX)

May 18, 1999

El Paso County Health Department  
301 South Union  
El Paso County, Colorado

Reference:  
Lot 74  
Falcon Heights  
El Paso County, Colorado

This letter is to provide concurrence to the installation of a conventional septic system at 30" below grade without the requirement for replacement of 2 feet of native material with sand. An open-hole inspection was performed at this location the results of which support this conclusion.

Sincerely,

*James F. Allison*  
Jim Allison, Ph.D., P.E.

