

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

Permit # 023561

Date 03/10/2010

APPROVED: Yes ☒ No ☐ Environmental Health Specialist: Lisa Cabrera 578-3143

Address 14470 Old Lasso Pt. Owner Randal Construction Inc.

Legal Description Lot #4 on the Rocks Subdivision

Residence ☒ # Bedrooms 5 Commercial ☐ System Installer Kunau Drilling

SEPTIC TANK:

Commercial ☒ Noncommercial ☐ Construction Material concrete Capacity Gallon 2250

DISPOSAL FIELD:

Trench: Depth (Range) Width Total Length Sq. Ft.

Bed: Depth (Range) Length Width Sq. Ft.

Depth of Rock Under PVC Type of cover on Rock

DRYWELLS: # of Pits Rings (Pit 1) Rings (Pit 2) Working Depth #1 #2

Size (L x W) #1 #2 Total Sq. Ft.

ROCKLESS SYSTEMS:

Standard Chamber: Type Infiltrators # Chambers 102 Sq. Ft./Chamber 15.5 Bed ☒ Trench

High Profile Units: Type Chamber # Chambers Sq. Ft./Chamber Bed Trench.

Reduction Allowed 0 % Sq. Ft. Required Depth (Range) 24-40'

Sq. Ft. Installed 1581 Equivalent Sq. Ft. Installed with Reduction

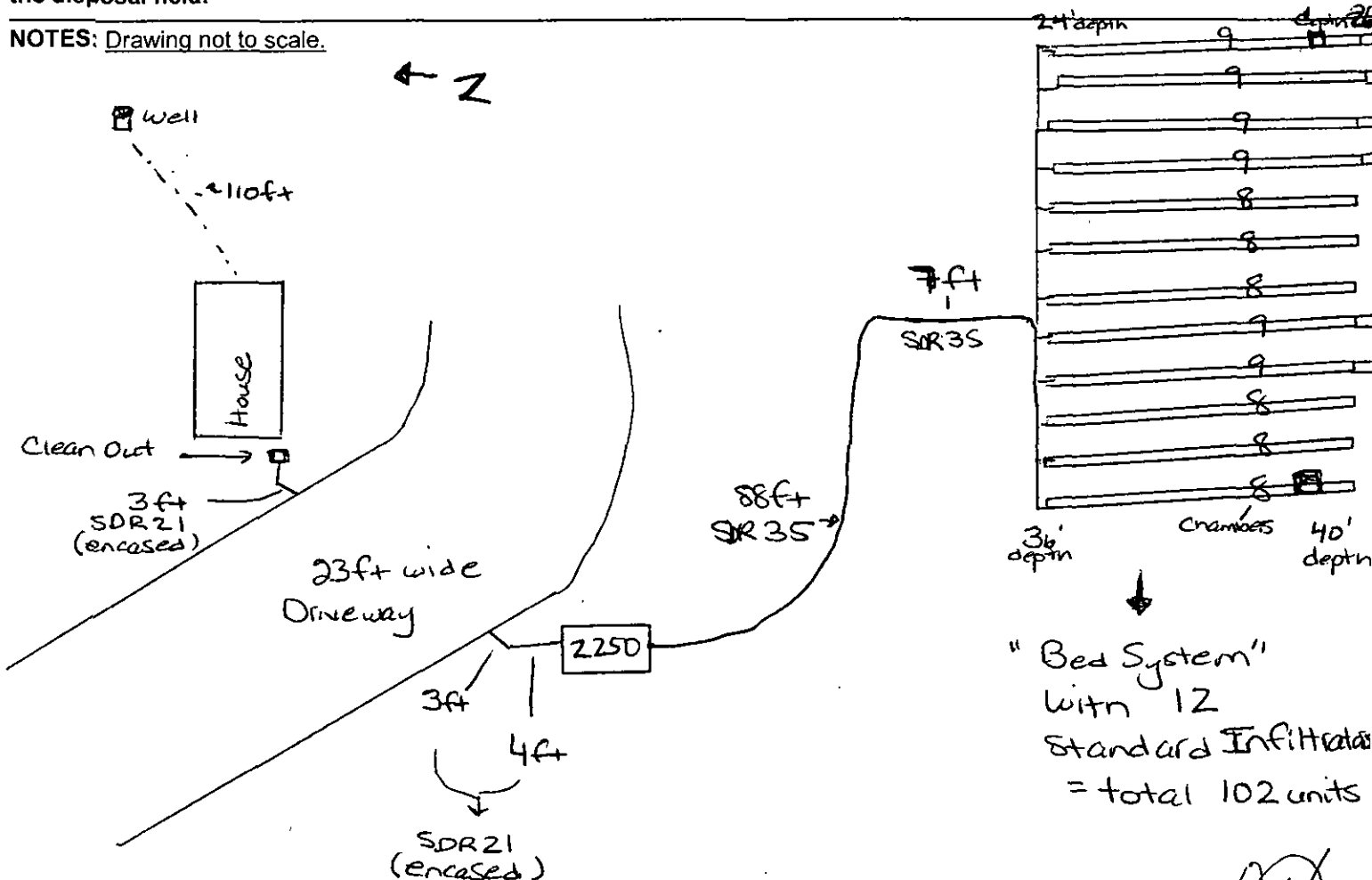
Engineer Design: ☒ Engineering Firm

Approval letter provided? Y N

Well installed at time of septic system inspection? ☒ N Public Water? NO

* 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: Drawing not to scale.



① = clean out ② 8 or 9 on each trench in the bed = # of chambers

**EL PASO COUNTY
DEPARTMENT OF HEALTH AND ENVIRONMENT
301 S Union Blvd, Colorado Springs, Colorado 719-575-8635
ONSITE WASTE WATER SYSTEM PERMIT**

OWNER NAME: RANDAL CONSTRUCTION INC PERMIT NUMBER: 0023561
ADDRESS: 14470 OLD LASSO PT
CITY, STATE, ZIP: COLORADO SPRINGS, CO 80921 DATE PERMITTED: 12/14/2009
PHONE NUMBER: (719) 499-6013 (Work Phone)

This permit is issued in accordance with 25-10-207 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). If both a building and an ISDS permit are issued for the same property and 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 EXPIRATION DATE: 12/14/2010

Expires twelve months from date of issue

WATER SOURCE: Well or Spring

MINIMUM SEPTIC TANK SIZE: 1750 GALLONS MINIMUM ABSORPTION AREA REQUIRED 1570 SQ FT

PLANNING
DEPARTMENT



ENUMERATION ☒

FLOOD
PLAIN



WASTEWATER ☐

COMMENTS:

*** FOR INSPECTIONS CALL 719-575-8699 BEFORE 8:30 A.M. OF THE DAY TO BE INSPECTED.
(WEEKENDS & HOLIDAYS EXCLUDED)
LEAVE THE ENTIRE SEWAGE DISPOSAL SYSTEM UNCOVERED FOR FINAL INSPECTION**

INSTALL SYSTEM IN AREA OF THE PERCOLATION TEST PERFORMED SEPTEMBER 26, 2006. PER ENGINEER LETTER DATED DECEMBER 3, 2009, THERE SHALL BE NO REDUCTION ALLOWED IN THE LEACH FIELD. THE LEACH FIELD SHALL BE A MAXIMUM OF 3 FEET (36 INCHES) BELOW NATIVE GROUND SURFACE DUE TO BEDROCK ENCOUNTERED AT 7 FEET. ALL SETBACKS SHALL BE MAINTAINED INCLUDING AT LEAST 10 FEET FROM ALL PROPERTY LINES, 110 FEET FROM ANY WELL, AND 10 FEET FROM ANY WATER LINES; IF NECESSARY, WATER LINES MAY BE CLOSER PER REGULATION EXCEPTION ON ENCROACHMENT.

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.

FOR ADMINISTRATOR USE ONLY

Permit Ready:

Called 12-11-09 SA: Mailed

Final Inspection Requested:

BY: Kuanu Drilling

Date Called In: 10 March 2010

Phone # 683-3720

Septic Site will be ready: Now



P.O. Box 1351
Monument, CO 80132
719 481-4560
Fax 481-9204

14470 Old Lasso Pt
#6204006001
E
3-10-2010

PERCOLATION TEST

FOR

RANDAL HOMES

JOB #15459

Lot 4,
On The Rocks Subdivision,
14470 Old Lasso Point,
El Paso County,
Colorado

Respectfully submitted,

Jeff Houchin
Geologist



Michael F. Reynolds, P.E.
Civil Engineer

PERCOLATION TEST FINDINGS

Enclosed are the results of the percolation test for the septic system to be installed at **Lot 4, On The Rocks Subdivision, 14470 Old Lasso Point, El Paso County, Colorado**. The locations of the percolation test borings were determined by Brad Horsley. The residence will not be on a public water system. The number of bedrooms in the design for the residence is unknown. Due to the natural slope of the property, the entire system will feed to the southwest at 4% at least 20 feet. All applicable regulations of the El Paso County Health Department will be complied with for the installation of the disposal system.

The percolation test was performed on September 28, 2006, in accordance with **Section VI, Soil Test, ISDS Regulations, E.P.C.D.H. & E.** The field data and results of the percolation test are as follows:

PERC. TEST @ TIME	PERC HOLE #1 @ 34" DEPTH DROP (IN INCHES)	PERC HOLE #2 @ 34" DEPTH DROP (IN INCHES)	PERC HOLE #3 @ 34" DEPTH DROP (IN INCHES)
10:10	2-1/16	1-7/16	3-1/8
10:20	1-3/8	1	2-7/16
10:30	7/8	5/8	1-5/8
10:40	5/8	1/2	7/8
10:50	9/16	7/16	11/16
11:00			5/8
Rate/Hole	17.8	22.9	16.0

The average of the test holes is 18.9 minutes per inch.

The soil profile for the disposal system is as follows:

- 0 to 4" - Topsoil- loam, organic composition.
- 4" to 5' - Sand- fine to coarse grained, moderate density, moderate moisture content, low clay content, low plasticity, buff in color.
- 5' to 7' - Sand- fine to medium grained, moderate density, moderate moisture content, moderate clay content, low to moderate plasticity, buff in color.
- 7' to 12' - Weathered Sandstone- fine to medium grained, moderate to high density, moderate moisture content, moderate clay content, low to moderate plasticity, buff in color.

No water was encountered during the drilling of all holes. Bedrock (weathered sandstone) was encountered at the depth of 7 feet during the drilling of the profile boring. No known wells were observed within 100 feet of the proposed system. The site is hilly with a southwest trending slope. Vegetation consist of ponderosa pine trees. **All setbacks shall conform to county regulations.**

If during construction of the field itself, subsurface conditions change considerably or if the location of the proposed field changes, this office shall be notified to determine whether the conditions are adequate for the system as designed or whether a new system needs to be designed.

Weather conditions at the time of the test consisted of clear skies, with warm temperatures.



FRONT RANGE GEOTECHNICAL INC.
SITE MAP

Lot 4,
On The Rocks Subdivision,
14470 Old Lasso Point,
El Paso County,
Colorado
Job #15459

Location from Northwest Lot Corner to Profile: S. 40° E. - 222'

Location from Profile to:

P-1: N. 46° W. - 18'

P-2: N. 60° E. - 6'

P-3: S. 10° W. - 24'

Northwest
Lot
Corner

P-1-○
PROFILE-○-○-P-2
○-P-3



0 10 20 30 40 50
GRAPHIC SCALE IN FEET
SCALE: 1" = 50'



December 3, 2009

PO Box 5, Monument, CO 80132
(719) 481-4560

Brad Horsley Construction
P.O. Box 2550
Monument, Colorado 80132


Re: Percolation Report (FRG 15459)
Lot 4, On the Rocks Subdivision,
14470 Old Lasso Point,
El Paso County, Colorado

TO WHOM IT MAY CONCERN

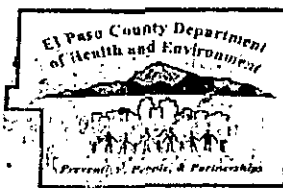
This letter service notice that the Percolation Report (Job #15459) dated September 28, 2006, for the above mentioned site is a valid report.

Note: With the acceptance of the Percolation Report it is with the understanding that no reduction be taken for the Septic Field.

Sincerely,


Charles E. Milligan, P.E.
Civil Engineer



**EL PASO COUNTY DEPARTMENT OF HEALTH & ENVIRONMENT**

301 South Union Boulevard • Colorado Springs, CO • 80910-3123 •

(719) 575-8635 • Fax: (719) 578-3188

Assign: Sheryl

Record I.D. #23561

ALL PAYMENTS ARE DUE AT TIME OF SUBMITTAL IN CASH, CHECK, or MAJOR CREDIT CARD*APPLICATION FOR AN ONSITE WASTEWATER SYSTEM PERMIT**☒ NEW PERMIT☐ MINOR REPAIR PERMIT☐ MAJOR REPAIR PERMITOwner RANDAL CONST.Daytime Phone 4996013Address of Property 14470 OLD LASSO POINTCity & Zip Colorado Springs 80921Legal Description LOT #4 ON THE ROCKS SUBDIVISIONOwner's MAILING Address PO Box 2550 Monument Co.City, State & Zip MONUMENT CO. 80132Lot Size 5.06 ACRETax Schedule # 620 400 6001Type of Building: ☒ Frame ☐ Modular ☐ Mobile ☐ Commercial ☐ Manufactured ☐ OtherWater Supply: ☒ Well or Spring ☐ Cistern ☐ Public Inside City Limits: ☐ No ☐ Yes-City☒ MAIL PERMIT - OR - ☒ PICK UP PERMIT ☐ FAX - FAX TO AND # 282-0761**MAXIMUM POTENTIAL NUMBER OF BEDROOMS** 5Percolation Test Attached ☒ Y ☐ NBasement ☒ Y ☐ NGarbage Disposal ☒ Y ☐ NClothes 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/OWNER'S AGENT SIGNATURE Randal Const.Date 12/6/09

You will be notified by telephone when your permit is ready for pick up. Please allow a minimum of 10 days for new septic systems.

DEPARTMENT OF HEALTH USE ONLY1750 Gallons

Minimum Tank Capacity

1570

Minimum Absorption Area

12-09-09

Date of Site Inspection

REMARKS

INSTALL SYSTEM IN AREA OF THE PERCOLATION TEST PERFORMED SEPTEMBER 26, 2006. PER ENGINEER LETTER DATED DICEMBER 03, 2009, THERE SHALL BE NO REDUCTION ALLOWED IN THE LEACH FIELD. THE LEACH FIELD SHALL BE A MAXIMUM OF 3 FEET (36 INCHES) BELOW NATIVE GROUND SURFACE DUE TO BEDROCK ENCONTERED AT 7 FEET. ALL SETBACKS SHALL BE MAINTAINED INCLUDING AT LEAST 10 FEET FROM ALL PROPERTY LINES, 110 FEET FROM ANY WELL, AND 10 FEET FROM ANY WATER LINES; IF NECESSARY, WATER LINES MAY BE CLOSER PER REGULATION EXCEPTION ON ENCROACHMENT.

EHS INSPECTOR GUSTAVO HUAREZDATE 12/14/09APPROVED ☒DENIED ☐**CURRENT FEES AS APPROVED BY EL PASO COUNTY BOARD OF HEALTH**

New Permit: \$304.50 EPCDHE costs + \$23.00 State Surcharge + \$177.50 EPC Planning Surcharge = \$505.00

Major repair permit: \$316.00 + \$23.00 State Surcharge = \$339.00

Minor repair permit: \$131.00 + \$23.00 State Surcharge = \$154.00

DATE TO LAND DEVELOPMENT/WASTEWATER: _____

DATE TO FLOODPLAIN/ENUMERATIONS: _____

Gus