

10- 2-03

10783 Dark Sky TRL

Owner Matt Russell

Residence X # Bedrooms 6 Commercial I System Installer Kunau Drilling

Commercial ☒ Noncommercial _____ Construction Material Concrete Capacity Gallon 2250 *

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 Inhibitors #Chambers 111 Sq. Ft./Chamber 15.5 Bed X Trench

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

Reduction Allowed 35 % Sq. Ft. Required 2628 Depth (Range) 30-42"

Sq. Ft. Installed _____ Equivalent Sq. Ft. Installed with Reduction 2646

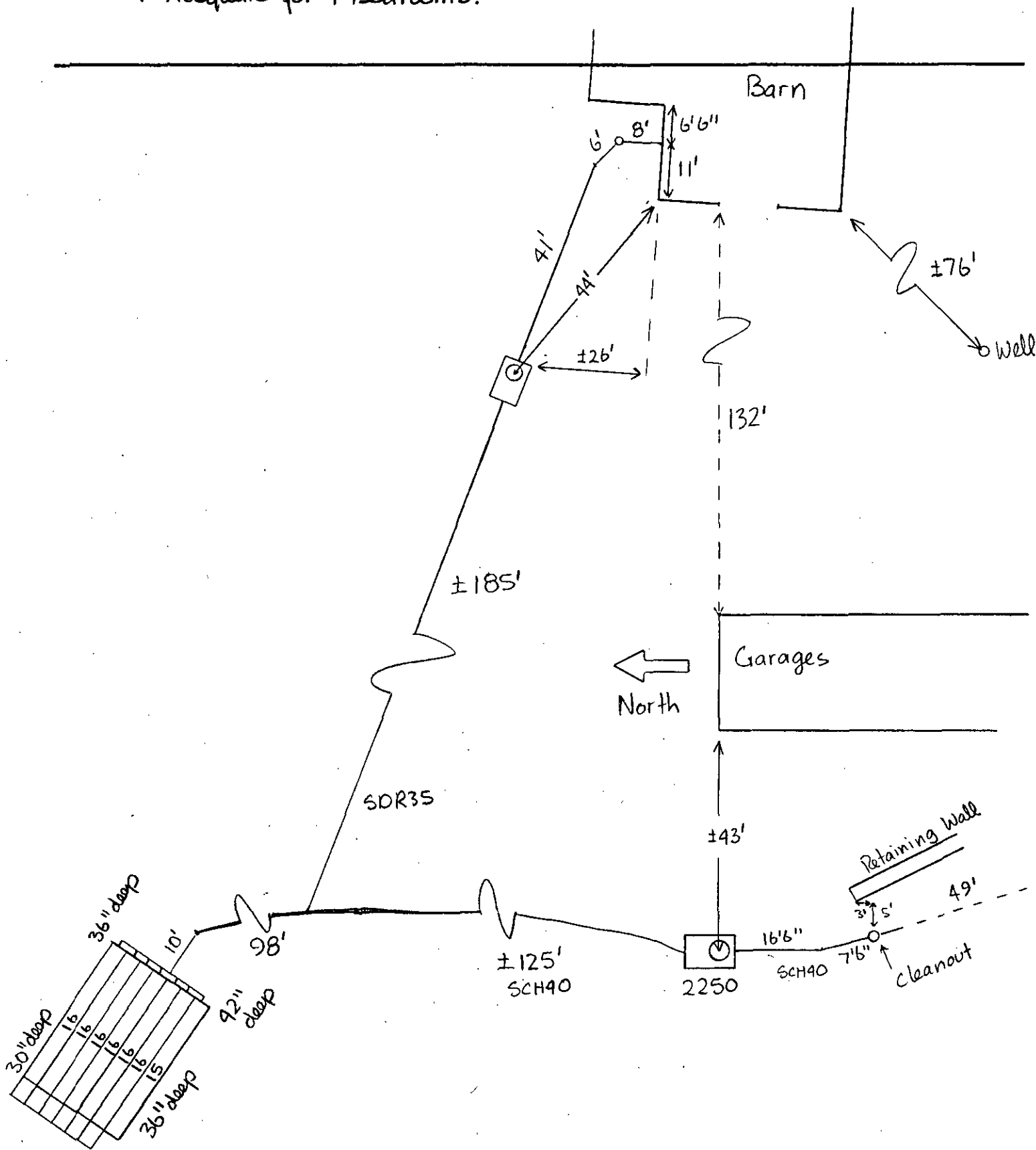
Engineer Design: Y ☒ Engineering Firm

Approval letter provided? Y N

Well installed at time of septic system inspection? (Y) 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: * Adequate for 7 Bedrooms.



INDIVIDUAL SEWAGE DISPOSAL SYSTEM PERMIT

OWNER NAME: MATT RUSSELL
ADDRESS: 11810 GOODSON RD
CITY, STATE, ZIP: COLORADO SPRINGS CO 80908
INSTALLED BY:

PERMIT NUMBER: ON0004635
DATE PERMITTED: 12/03/2002
PHONE NUMBER: 7194881680

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). If both a building and an ISDS permit are issued for the same property and construction has not commenced prior to the expiration date of the building permit, the ISDS permit shall expire at the same time as the building permit. 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.

Rosemary C. Baker-Martin

DIRECTOR, EL PASO COUNTY DEPARTMENT OF HEALTH AND ENVIRONMENT

PERMIT EXPIRATION DATE:
Expires twelve months from date of issue

Brad Wallau 578-3127
ENVIRONMENTALIST / PHONE NUMBER*

* NOTE: FOR INSPECTIONS CALL 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.

WATER SOURCE: WELL

MINIMUM SEPTIC TANK SIZE: 2,000 GALLONS

MINIMUM ABSORPTION AREA REQUIRED 2,628 SQ FT

PLANNING DEPARTMENT



ENUMERATION



FLOOD PLAIN



WASTEWATER



COMMENTS:

INSTALL LEACH FIELD IN AREA OF PERCOLATION TEST. RECOMMEND TO STAY AWAY FROM PERCOLATION HOLE #2, TO THE EAST, WHICH HAD A VERY SLOW PERC RATE. DRAINAGE FROM THE HOUSE MUST NOT FLOW INTO LEACH FIELD AREA. WELL MUST BE AT LEAST 128 FEET FROM LEACH FIELD. RECOMMEND THAT LEACH FIELD BE INSTALLED AT ABOUT 3 FEET DEPTH. MAXIMUM DEPTH OF LEACH FIELD WITH THIS PERC TEST IS 4 FEET.

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 ADMINISTRATIVE USE ONLY

Permit Ready: P.U. 12/13/02 JAK Called _____ Mailed _____

Final Inspection Requested: BY: MARK / KUNAU

Phone # 337-6882

Date Called In: 10/23 3:26 9/26 7:43 AM

Septic Site will be ready: NOW (PARTIAL)

Inspector

BRAD

District

#17

Record I.D.

4635

EL PASO COUNTY ENVIRONMENTAL HEALTH SERVICES

301 South Union Boulevard • Colorado Springs, CO • 80910-3123 • (719) 578-3126 • Fax: (719) 578-3188

APPLICATION FOR AN ON-SITE WASTEWATER TREATMENT SYSTEM:

☒ NEW CONSTRUCTION ☐ MINOR REPAIR ☐ MAJOR REPAIR/ADD

LEN ANDERSON CONST

Owner MATT R. OSSELLDaytime Phone 488-1680Address of Property 11810 GOODSON RDCity & Zip COLO SP 80908Legal Description 11E 1/4 SE 1/4 14-12-65 - 40 ACESOwner's MAILING Address 4514 VINEWOOD LANE NORTHCity, State & Zip PLYMOUTH MNLot Size 40 ACRES Tax Schedule # 521400000855442Type 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 ☐ THERE IS AN ADDITIONAL RESIDENCE ON THIS PROPERTYMAXIMUM POTENTIAL NUMBER OF BEDROOMS 6Percolation Test Attached ☒ NBasement ☒ 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

Date 10-26-02

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

DEPARTMENT OF HEALTH USE ONLY

2000 Gallons
Minimum Tank Capacity2628 FT²
Minimum Absorption Area12-2-2002
Date of Site Inspection

REMARKS

Install Leach Field in area of perc test. Recommend
to stay away from perc hole #2, to the East, which had
a very slow perc rate. Drainage from the house must
not flow into Leach Field area. Well must be at
least 128' from Leach Field. Recommend that Leach Field
installed at about 3' depth. Maximum depth of Leach
Field with this perc test is 4'.

EHS INSPECTOR

Brad Wallace

DATE

12-2-02APPROVED

DENIED

FEES AS OF 11/1/02:

NEW CONSTRUCTION \$432.00 + County Surcharge of \$30. = \$462.00
MAJOR REPAIR/ADDITION \$342.00
MINOR REPAIR/ADDITION \$162.00
COPY OF REGULATIONS \$ 3.50
ALTERED PERMITS \$ 20.00

DATE TO PLANNING / WASTEWATER:

DATE TO FLOODPLAIN/ENUMERATIONS

11/27/02

PLEASE COMPLETE THE BACK OF THIS FORM

- 1) We require an original of your **PERCOLATION (PERC) TEST** with an original professional engineer's (PE) stamp and _____ as well as a plot of the percolation test hole locations with measurements from a fixed reference _____.
- 2) **PROPERTY IDENTIFICATION NUMBER MUST BE POSTED AND CLEARLY VISIBLE FROM ROAD. PERC HOLES MUST BE CLEARLY MARKED OR AN ADDITIONAL CHARGE FOR A RETURN TRIP TO THE SITE MAY BE ASSESSED.**
- 3) A **PLOT PLAN** must be drawn (not to scale) on an 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) alternate septic system site
 - 7) driveway (proposed or existing and name of adjoining street)
- 4) 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	
- 5) 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)

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

N ↑

BLACK FOREST RD TO BURGESS GO EAST TO GOODSON RD
TURN LEFT (NORTH) APPROX 1800 FEET TO 11810 TURN LEFT
ON DRIVE WAY (WEST) 1100' TO HOME.



**Colorado Engineering
& Geotechnical Group, Inc.**

CASTLE ROCK

2911 North U.S. Hwy 85
Castle Rock, CO 80104

Phone: (303) 688-9475
Fax: (303) 814-2454

MONUMENT

19375 Beacon Lite Road
PO Box 1298
Monument, CO 80132

Phone: (719) 488-2145
Fax: (719) 488-2895

10/2/03 E

WOODLAND PARK

321 West Henrietta
PO Box 5816
Woodland Park, CO 80866

Phone: (719) 687-6077
Fax: (719) 687-6151

SERVING EASTERN COLORADO SINCE 1995

52141004014
10783 Dark Sky TRL

NOVEMBER 19, 2002
JOB NUMBER: 02782

PAUL R. BRYANT, P.E.

ERIK D. MITCHELL, P.E.
V.P. ENGINEERING

JAMES E. THOMPSON, II.
V.P. FIELD SERVICES

LEN ANDERSON
18950 WINGTIP ROAD
MONUMENT, CO 80132

RE: PERCOLATION REPORT, 0 GOODSON ROAD, SHOOTING STAR RANCH,

Dear Mr. Anderson,

Attached are the results of the percolation test performed for you.

We appreciate this opportunity to serve you. Please do not hesitate to contact this office if you have any questions.

Sincerely,

Paul R. Bryant
Paul R. Bryant, P.E.



VLG

- SOIL TESTING & ANALYSIS
- PERCOLATION REPORTS
- FOUNDATION DESIGN
- SEPTIC DESIGN
- STRUCTURAL DESIGN
- STRUCTURAL CODE PLAN CHECK
- RESIDENTIAL DESIGN
- HOME INSPECTIONS
- PROFESSIONAL CONSULTATION
- EXPERT TESTIMONY
- GEO-HAZARD SURVEYS
- DRAINAGE REPORTS

SERVING:

- DOUGLAS COUNTY
- EL PASO COUNTY
- FREMONT COUNTY
- PARK COUNTY
- TELLER COUNTY
- SUMMIT COUNTY

INTRODUCTION:

The results below are from a percolation test performed on November 14, 2002 at the before mentioned address. The builder determined the location of the percolation test borings. The site is currently vacant.

FINDINGS AND RESULTS:

Conditions at the time of the test consisted of clear skies and cool temperatures. The slope of the absorption field is 0 to 2 percent to the northwest.

Groundwater was not encountered in the test borings at the time of this investigation. The presence of shallow bedrock beneath surficial soils is favorable for the formation of "perched" groundwater. The depth and occurrence of groundwater can vary over time depending on hydrologic conditions such as precipitation, surface drainage, and irrigation, and other conditions not apparent at the time of this report. Bedrock was not encountered. No known wells were observed within 200 feet of the proposed system. **All setbacks shall conform to county regulations.**

FINAL TIME INTERVAL (MIN)	HOLE 1 (4')	HOLE 2 (4')	HOLE 3 (4')
10	0-7/16	0-2/16	1-13/16
Final (mpi)	22.86	80	5.52
Note: All Drops in Inches			

The average rate of the percolation test-holes (based on the final drop) is 36.12 minutes per inch.

The soil profile for the disposal system is as follows:

DEPTH (FT)	SOIL DESCRIPTION
0 to 8	Fine to Coarse Grained Silty Sand; Dense to Very Dense State; Low Moisture Content; Low Clay Content; Low to Non Cohesion; Low to Non Plasticity; Brown/Tan in Color.

If during construction of the field itself, subsurface conditions change considerably or if the location of the proposed septic 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.

LIMITS OF TEST

This percolation test was performed in strict accordance with the pertinent County Health Department Regulations. The soil profile and percolation rates are deemed accurate only to the extent they are reflective of the soil immediately around the individual holes. Soil conditions can and often do change markedly across even a small area; such change is beyond the knowledge and control of this office. Therefore, there is no warranty extended or implied for the performance of any absorption system based on this test. Use of this percolation to obtain a septic installation permit implies acceptance of these conditions.

SLOPE 0-2%

P-1

PROFILE P-2

P-3

PROPOSED
BARN

HEAVY DUTY POWER LINES

SLOPE 0-2%

TH-2

APPROX FOOT PRINT

TH-1

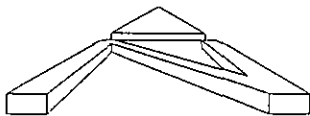
S.E. CORNER OF FOOT PRINT

ACCESS

HEAVY DUTY POWER LINES

GOODSON

HEAVILY WOODED AREA



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



**Colorado Engineering
& Geotechnical Group, Inc.**

19375 BEACON LITE ROAD
MONUMENT PARK, COLORADO 80132
719-488-2145

PROJECT: LEN ANDERSON CONSTRUCTION

0 Goodson Road
Shooting Star Ranch
El Paso County, CO

FROM	TO	DISTANCE	BEARING
SE FOOTPRINT CORNER	TH-1	21'	N50W
TH-1	TH-2	66'	N50W
TH-2	PROFILE	92'	N25W
PROFILE	P-1	19'	N5W
P-1	P-2	25'	S35E
P-2	P-3	18'	S30W

DRAWN BY: C.C.

DATE: 19 NOV 02

JOB #: 02782

#4635
9-26-03
Kunau

Tanks and
Building Sewers only

Orientations to house, barn, backfield, etc.
approximate

