EL PASO COUNTY DEPARTMENT OF HEALTH AND ENVIRONMENT Permit # <u>ONADO7322</u> INDIVIDUAL SEWAGE DISPOSAL SYSTEM INSPECTION FORM Date <u>November 20, 1006</u>
APPROVED: Yes V No Environmental Health Specialist: Brad Wallace
Address 12124 Decemental and Trail
Address 12124 Oncron Wagon Trail Owner Lamatsch Legal Description Lot 22, The Trails, Filing 28,
Residence / # Bedrooms 3 Commercial System Installer Kunga
SEPTIC TANK
Commercial Noncommercial Construction Material Concrete Capacity Gallon 1, 250 + 1,000 DISPOSAL FIELD: Construction Material Concrete Capacity Gallon (-) pump cycle
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)         Size (L x W) #4       #0       File       #2
Bed: Depth (Range) Length Width Sg. Ft.
Depth of Rock Under PVC Type of cover on Rock
DRYWELLS: # of Pits Rings (Pit 1) Rings (Pit 2) Working Depth #1 #2
SIZETEX VVI #1 #2 LODISA ET
ROCKLESS SYSTEMS: - Engineer Design -
ROCKLESS SYSTEMS:
High Profile Units: Type Chamber #Chambers Sq. Ft./Chamber Bed Trench
Sq. Ft. Installed Equivalent Sq. Ft. Installed with Reduction
Engineer Design: Y2 N Engineering Firm H ~ 7 Que s T
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:





### EL PASO COUNTY

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DEPARTMENT OF BEALTH AND ENVIRONMENT

#### 301 S Union Blvd, Colorado Springs, Colorado 719-575-8636

## INDIVIDUAL SEWAGE DISPOSAL SYSTEM PERMIT

OWNER NAME:	PETE & STEPHANIE LAM	ATSCH		PERMIT NUMBER:	ON0007372
ADDRESS:	12124 OREGON WAGON T		90009	DATE PERMITTED:	8/18/2006
CITY,STATE,ZIP: INSTALLED BY:	COLORADO SPRINGS	CO	80908	PHONE NUMBER:	7195738878
twelve (12) months from construction has not cor revokable if all stated re	n date of issue- whichever occurs find the memory of the second	irst-(unless work e of the building	is in progress). If both a buildin permit, the ISDS permit shall e	ompletion-installation of sewage-disposang and an ISDS permit are issued for the expire at the same time as the building permit.	same property and
THIS PERMIT D	OES NOT DENOTE AP	PROVAL C	F ZONING AND AC	REAGE REQUIREMENTS	
			Rosemary	C. Bakes Mar	tin
		DIRECTOR, E	-	TMENT OF HEALTH AND ENVIRG	
PERMIT EXPIRATIO Expires twelve	ON DATE : months from date of issue		Laure Environ	Mentalist / Phone number*	
WATER SOURCE:	Wett Pashe wa	ter			
MINIMUM SEPTIC	TANK SIZE :	GALLONS	MINIMUM ABS	ORPTION AREA REQUIRED	SQ FT
PLANNING DEPAI	RTMENT ENUN	IERATION	FLOOD PLAI	N WASTEWATER	
COMMENTS:					
	* FOR INSPECTIONS CALL			E DAY TO BE INSPECTED.	
	LEAVE THE ENTIRE SEV		& HOLIDAYS EXCLUDED) L SYSTEM UNCOVERED FC	R FINAL INSPECTION.	
INSTALL PER E CAN BE GIVEN.		ENGINEER	APPROVAL LETTER	IS NEEDED BEFORE FINAL	APPROVAL
	S MUST BE MAINTAINE MUST BE 10 FEET FROM			10 FEET FROM ALL PROPE	CRTY LINES.
owner or repres				stem, beyond consulting in good faith with ose of making such inspections as are neces	
		FOR AD	MINISTRATIVE USE ONLY		
Permit Ready:	Called	Mailed	ſ		
Final Inspection Req	····	<u>} - </u>	Lunal Date Called In:_	11/17/06 12:111	<u>ن</u> ــــــــــــــــــــــــــــــــــــ
	Phone # $(\sigma P)$	3-37	20 Septic Site will b	e ready: 10cl	

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	EL PASO COUNTY DEPARTMENT OF HEALTH & ENVIRONMENT 301 South Union Boulevard • Colorado Springs, CO • 80910-3123 • (719) 575-8635 • Fax: (719) 578-3188 <u>*ALL PAYMENTS ARE DUE AT TIME OF SUBMITTAL IN CASH OR CHECK</u> APPLICATION FOR AN ON-SITE WASTEWATER TREATMENT SYSTEM PERMIT INEW CONSTRUCTION IMINOR REPAIR IMAJOR REPAIR/ADD (Heidi,)
	Owner <u>Address of Property</u> <u>12124</u> <u>Oregon</u> <u>Wason</u> TR       City & Zip El Paso, CO       80908         Legal Description <u>10122</u> , The Trails, Filing       No 2B, El Paso, CO       80908         Owner's <u>MAILING</u> Address <u>3355</u> A. Acade my Blod #607       City, State & Zip <u>Colospic</u> , Lo, 80917         Lot Size <u>2.51</u> Tax Schedule # <u>4217006023</u> City Address       City Address
ſ	Water Supply: Well or Spring       Cistern       Public       Inside City Limits: INO       Cycs-City         IMAIL PERMIT       OR       PICK UP PERMIT       ITHERE IS AN ADDITIONAL RESIDENCE ON THIS PROPERTY         MAXIMUM POTENTIAL NUMBER OF BEDROOMS       S         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. <u>OWNER'S SIGNATURE</u> <u>Wou will be notified by telephone when your permit is ready for pick up. Please allow a minimum of 10 days for new septics. </u>
	Eng Design DEPARTMENT OF HEALTH USE ONLY <u>1250 gattlons</u> Minimum Tank Capacity <u>Minimum Absorption Area</u> <u>Install per Engineer Design</u> . An Engineer Approval letter is REMARKS <u>Due to bodicek encountered at depth of 2 feet below native</u> needed before times Approval can be gived on the designed by a Colorado <u>ground Suctace this septic system is to be designed by a Colorado</u> <u>Licensert Engineer</u> . All setbacks must be maintained. The leach field <u>must be lofeet from all property lines. Leach field must be 10</u> <u>feet from Public Utility Easement</u> .
	EHS INSPECTOR       MUMA Depon       DATE
	DATE TO FLOODPLAIN/ENUMERATIONS

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## PLEASE COMPLETE THE BACK OF THIS FORM

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1)	We require an original of your <u>PERCOLATION (PERC) TEST</u> with an original professional engineer's (PE) stamp and signature as well as a plot of the percolation test hole locations with measurements from a fixed reference point.
2)	PROPERTY ADDRESS OR LC ER MUST BE POSTED AND CLEARLY VISIBLE FROM ROAD. PERC HOLES MUST . SULLARLY MARKED OR AN ADDITIONAL CHARGE FOR A RETURN TRIP TO THE SITE MAY BE ASSESSED.

3) A <u>PLOT PLAN</u> must be drawn (not to scale) on an 8 ½ x 11 sheet of paper. The plot plan must include:

- 1) a north bearing4) all buildings (proposed or existing)7) driveway (proposed or2) property lines5) proposed septic system siteexisting and name of
- 2) property lines5) proposed septic system siteexisting and nan3) property dimensions6) alternate septic system siteadjoining street)
- 4) Initial any of the following features that apply to your property and <u>INCLUDE</u> them on your <u>PLOT</u> <u>PLAN</u>.
  - 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 an <u>PLOT PLAN</u>.

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 - Woudmill to Meridian - Maridian to Lango - Maridian to Lango - turn right on aregon Wagoh Trail - turn right on aregon Wagoh Trail See Markeel section for bot 22 # 12124 aregon wayn N.



1217006023

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

PERCOLATION TEST

FOR

BAYWOOD HOMES

JOB #15123

Lot 22, Filing #2-B, The Trails Subdivision, 12124 Oregon Wagon Trail El Paso County, Colorado

Respectfully submitted,

R+lock!

Jeff Houchin Geologist



11-20 00

Michael F. Reynolds, P.E. Civil Engineer

#### PERCOLATION TEST FINDINGS

1.

Due to encountering bedrock (weathered sandstone) at the depth of 2 feet below native ground surface, the county health department will require this septic system to be designed by a Colorado Licensed Engineer.

Enclosed are the results of the percolation test for the septic system to be installed at Lot 22, Filing 2-B, The Trails Subdivision, 12124 Oregon Wagon Trail, El Paso County, Colorado. The locations of the percolation test borings were determined by Mark Schwab. 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 southeast less than 1% approximately 81 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 June 6, 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.	PERC HOLE #1	PERC HOLE #2	PERC HOLE #3
TEST	@ 34" DEPTH	@ 34" DEPTH	@ 34" DEPTH
0 TIME	DROP (IN	DROP (IN	DROP (IN
	INCHES)	INCHES)	INCHES)
9:05	3-1/2	3-3/4	2-1/16
9:15	2-3/8	2-7/8	7/16
9:25	2	1-3/16	1/2
9:35	1-3/8	3/4	1/4
9:45	11/16	7/16	1/4
9:55	1/2	3/8	
10:05	7/16		
Rate/Hole	22.9	26.7	40.0

The average of the test holes is 29.9 minutes per inch.

The soil profile for the disposal system is as follows:

0 to 8″	-	Topsoil- loam, organic composition.
8" to 2'	-	Sand- fine to medium grained, moderate density, low moisture
2' to 12'		content, low clay content, low plasticity, buff in color. Weathered Sandstone- fine to medium grained, high density, moderate moisture content, low clay content, low plasticity, buff in color.

No water was encountered during the drilling of all holes. Bedrock (weathered sandstone) was encountered at the depth of 2 feet below native ground surface during the drilling of the test borings. No known wells were observed within 100 feet of the proposed system. 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.

# FRONT RANGE GEOTECHNICAL INC.

Lot 22, Filing 2-B, The Trails Subdivision, 12124 Oregon Wagon Trail, El Paso County, Colorado Job #15123

Location from Southeast Lot Corner to Profile: N. 45° W. - 69'

Location from Profile to: P-1: N. 44° E. - 27' P-2: N. 50° W. - 15' P-3: N. 2° E. - 27'

TH−1-•



⊷P-3 ⊷P-1 ⊷P-2

PROFILE

Southeast Lot Corner

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0 5 10 15 20 25 GRAPHIC SCALE IN FEET SCALE: 1" = 25'





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## EL PASO COUNTY DEPARTMENT OF HEALTH AND ENVIRONMENT

301 SOUTH UNION BOULEVARD • COLORADO SPRINGS, CO 80910-3123 (719) 575-8635 • FAX (719) 578-3188

June 26, 2007

Pete and Stephanie Lamatsch 12124 Oregon Wagon Trail Colorado Springs, CO 80908

REFERENCE: 12124 Oregon Wagon Trail

Dear Pete and Stephanie Lamatsch:

On November 30, 2006 I inspected the Onsite Wastewater System on your property designed by Charles Milligan, of ArtQuest. Section 5.3.N. of the El Paso County Board of Health Individual Sewage Disposal System Regulations, states: "...If the system has been designed by or constructed under the supervision of a registered professional engineer, the applicant shall require that said engineer at this time (of final inspection) certify in writing to the Department that construction and installation of the system has been completed in accordance with the terms of the permit and these regulations."

The engineer's certification shall be provided to the El Paso County Department of Health and Environment within 30 days. If the engineer's certification is not provided, the system will not be approved and may not be used until such time that it is in compliance with the El Paso County Individual Sewage Disposal System Regulations. Furthermore, a Certificate of Noncompliance may be filed on the title of the referenced property in accordance with Section 10.F. of the El Paso County Board of Health Administrative Regulations.

If the permit is allowed to expire before the system is approved, a new permit and fee may be required before approval will be granted. If you wish to appeal this notice, you must file a written request for a hearing within five days of receipt or posting of this notice. The request must be submitted to the Health Department Director, 301 South Union, Colorado Springs, Colorado 80910-3123. If you have any questions, please call me at (719) 578-3127.

Sincerely,

I spoke to stephance 1 allan Brad Wallace Environmental Health Specialist need an enfineer approval Stephimie al 310-3197 Hm 494-0663 Charles Milligan cc: Letter before Final approval can be proven. Spoke to Sreptonne again on 5-8-08. Bw LeFT second massage To stop 04 3-17-08 That and Letter 20FT 11-0 15ge 21 5-8-08



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July 10, 2007

El Paso County Health Department 301 S. Union Blvd. Colorado Springs, CO 80910

Re: Septic System, 12124 Oregon Wagon Trail, Artquest #26069

Dear Sir or Madam:

We inspected the installation of the engineered septic system at the above address at several points during its construction as well as the finished product. It has been installed in accordance with our engineered plans and specifications. This includes having the correct size septic tanks, the proper grade on all pipes and sections of the absorption field, the correct depth, size and configuration of the absorption field, and the backfill around and over the field.

The system is ready for final certification from the El Paso County Health Department. Please call me if you have any questions.

Sincerely,

Charles E. Milligen, P.E.







A SEPTIC SYSTEM IS VULNERABLE TO DAMAGE IN MANY WAYS. EXCESSIVE WATER USE CAN LEAD TO SEVERE DAMAGE TO A SEPTIC DRAINAGE FIELD. EXCESSIVE WATER CAN COME FROM LEAKING TOILETS AND FAUCETS, DRAINING WATERBEDS OR HOT TUBS, OR NUMEROUS LOADS OF LAUNDRY IN A DAY. OWNERS ARE ADVISED TO SPACE WATER USAGE OUT EVENLY AND KEEP

DUE TO THE POSSIBILITY OF UNKOWN WATER USAGE FACTORS. ARTQUEST DOES NOT WARRANTY THIS SEPTIC SYSTEM AGAINST FAILURE OR DAMAGE OF ANY TYPE.

A SEPARATE CLEANOUT IS REQUIRED OUTSIDE THE HOUSE WITHIN 50 FEET OF THE FOUNDATION AND WHENEVER THE CUMULATIVE BENDS EXCEED 135 DEGREES.

A VACUUM BREAKER IS REQUIRED AT THE HIGH POINT IN THE LINE BETWEEN THE PUMP AND THE DRAIN FIELD SO THIS LINE CAN DRAIN TO PREVENT FREEZING.

MANY DETAILS OF CONSTRUCTION ARE OMITTED FROM THESE DRAWINGS FOR CLARITY. THE INSTALLER MUST REFER TO LOCAL REGULATIONS CONCERNING OTHER INSTALLATION REQUIREMENTS.

ELECTRICAL CONNECTIONS ARE NOT PERMITTED IN THE SUMP CHMBER UNLESS THEY ARE FULLY ENCASED IN A WATER TIGHT JUNCTION BOX OR SEALED IN A MANNER APPROVED BY THE

IF THE DRAIN FIELD IS LOCATED AT A HIGHER ELEVATION THAN THE PUMP, INSTALL A SEEPAGE COLLAR AROUND THE PIPE TO PREVENT BACK FLOW THROUGH THE TRENCH FROM THE FIELD

THE USE OF SO-CALLED "SEPTIC SYSTEM REMEDIES" CAN RESULT IN SEVERE DAMAGE TO THE SYSTEM. WE SPECIFICALLY RECOMMEND AGAINST THEIR USE.

HOMEOWNER IS RESPONSIBLE FOR PERMIT, CONTRACTOR MUST OBTAIN APPROVAL OF ENGINEERED SYSTEM FROM EL PASO COUNTY HEALTH DEPARTMENT. OWNER/CONTRACTOR MUST VERIFY SETBACKS AND OBTAIN UTILITY CLEARANCES PRIOR TO

INSPECTIONS REQUIRED ARE AS FOLLOWS:

1.) ENGINEER TO VERIFY FIELD LOCATION AT TIME OF CONSTRUCTION. 2.) ENGINEER WILL INSPECT THE INSTALLATION OF PIPE, SEPTIC TANK, ETC. PRIOR TO BACKFILL. 3.) ENGINEER TO INSPECT THE FIELD AFTER

BACKFILL TO INSURE MIN COVER AND PROPER DRAINAGE AWAY FROM FIELD. 4.) SOIL CONDITIONS TO BE VERIFIED BY SOIL ENGINEER AT TIME OF INSTALLATION

oject: 26069	Project Name and Address
et: 1 of 2	BAYWOOD HOMES
e: 8/10/06	
G#15123	12124 OREGON WAGON TRAIL THE TRAILS SUBDIVISION
wn by: CEM	
cked by: CEM	EL PASO COUNTY, CO