

Environmental Health Division

1675 W. Garden of the Gods Rd., Suite 2044 Colorado Springs, CO 80907 (719) 578-3199 *phone* (719) 575-8664 *fax*: www.elpasocountyhealth.org

Prevent	Promote	 Protect
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Notify Environmental Health of any change of ownership, type of business activity, business name, or billing address by calling (719) 578-3199. Failure to notify Environmental Health may result in late penalties, Permit/License denial or revocation, and business closure. PERMITS/LICENSES TO OPERATE AND ANNUAL FEE PAYMENTS ARE NOT TRANSFERABLE. Permits become void on change of ownership. New owners must apply and pay for a new Permit(s)/License(s) prior to beginning operation.

Attn: GO BEYOND, LLC 6080 GAMBLER PL COLORADO SPRINGS, CO 80908



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Attn: GO BEYOND, LLC 6080 GAMBLER PL COLORADO SPRINGS, CO 80908



EL PASO COUNTY PUBLIC HEALTH ENVIRONMENTAL HEALTH DIVISION 1675 W. GARDEN OF THE GODS ROAD, SUITE 2044 COLORADO SPRINGS, CO 80907 PHONE: (719) 578-3199 FAX: (719) 578-3188 www.eipasocountyhealth.org

This permit is issued in accordance with 25-10-106 Colorado Revised Statutes. The PERMIT EXPIRES upon completion/installation of the Onsite Wastewater Treatment System, or at the end of twelve (12) months from date of issue, whichever occurs first. If both a Building Permit and an Onsite Wastewater Treatment System Permit are issued for the same property and construction has not commenced prior to the expiration date of the Building Permit, the Onsite Wastewater Permit shall expire at the same time as the Building Permit is revocable if all stated requirements are not met. The Onsite Wastewater Treatment System must be installed by an El Paso County Licensed System Contractor, or the property owner.

The Health Officer shall assume no responsibility in case of failure or inadequacy of an Onsite Wastewater Treatment System, beyond consulting in good faith with the property owner or representative. Access to the property shall be authorized at reasonable time for the purpose of making such inspections as are necessary to determine compliance with the requirements of this law (permit).

Inspection request line: Call (719) 575-8699 before 3:30 p.m. the business day prior to the requested inspection date.

Authorized By: Environmental Health Specialist

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	ublic ealth Prevent • Promote • Protect	1675 W. Garden of the Gods Rd., Suite 2044 Colorado Springs, CO 80907 (719) 578-3199 <i>phone</i> (719) 578-3188 <i>fax</i> www.elpasocountyhealth.org
SRA	2011129 ABOO15132 010049945	
	APPLICATION FOR AN ON-SITE WASTEWATER TREATME	ENT SYSTEM PERMIT
Both	Legal Description: 14 BLK 1 ELK CREEK RANCHES FIL Tax Schedule #: 5106001014 L Is the property gated: \Box Yes \boxtimes No Please provide a gate code if nece Site Located Inside City Limits: \Box Yes \boxtimes No Proposed Use: \boxtimes Water Supply: \boxtimes Well \Box Cistern \Box Municipal Potential Number of Has a Conditional Acceptance Document been issued for this property: \Box Owner Information: \boxtimes Primary Contact $CRAIG$ $O'BOYLE$ Owner: GO $BEYON$ UC Daytime Phone: (TO) Owners Mailing Address: 1685 W. $UINTAH < T$ (SUTE 213)	Residential \Box Commercial of Bedrooms: <u>5</u> IYes \Box No \boxtimes Unsure 719) 576 - 7373 5, <u>CO 80904</u> ax #: <u>co 80904</u>
	OWTS Installer Information: Primary Contact	WICKHAMS WORKBENCH & GMAIL. COM
222		nstaller: 🔲 Tier 1 🔀 Tier 2
Γ	CURRENT FEES AS APPROVED BY THE EI PASO COUNTY B	OAPD OF HEALTH
	All Payments are due at the time of application submittal; by cash, check or major Mew Permit: \$750.00 (EPCPH Charge) + \$147.00 (EPC Planning Dept. Surcharge) + \$23.00 Modification Permit: \$675.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = \$698.00 Major Repair Permit: \$535.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = \$558.00 Minor Repair Permit: \$245.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = \$268.00 Permits expire one year from date of issuance, unless otherwise	or credit card (Visa / MC) 0 (CDPHE Surcharge) = \$920.00
	REQUIRED: Provide a complete written scope of work to be performed as a complete written scope of work to be performed as a score of the score of	rmed on the property.
	INSTALLATION OF SEPTIC TANK AND SOLL TREATMENT CONSTRUCTION OF 5 BEDROOM SINGLE FAMILY HOME PER PROVIDED CONVENTIONAL OW TS DESIGN WORKSHEET.	AREA FOR NEW TO BE INSTALLED
0	The following documents MUST be included with your applicat A soils report: including at least 1 soil profile excavation pit, in accordance with sectio A clear and legible design document: including the proposed and alternate locations, with all setbacks to pertinent structures and features in table 7-1. Provide directions to property, from a main highway, on the backside of application.	on 8.5 A-F of OWTS regulations
	Failure to provide the above listed documents may result in denial of the p	ermit application
L	I certify that the information provided on this application is in compliance with Section 8.3, Chapter 8 of the Onsite Waster Paso County Board of Health. I also authorize the assigned representative of El Paso County Public Health to enter onto the necessary for the issuance of a permit. Applicants Signature:	eswater System (OWS) Regulations of the El his property in order to obtain information pate: $2/18/19$

 Property address or lot number must be clearly marked and visible from the road

- Profile excavation test pit and/or soil profile holes must be clearly marked
- Proposed and alternate soil treatment areas must be protected from compaction and disturbance
- Locked gates require the gate code or lock combination be provided on front of application
- Please provide directions to the property from a main highway, by text or picture, below.

NORTH ON CO-83; RIGHT ONTO S. COUNTY LINE RD, E. PALMER DIVINE AVE; TURN RIGHT ONTO THUNDER ROAD E.; TURN LEFT ONTO GAMBLER PL.

6080 GAMBLER PL.

Failure to comply with the above information may result in an additional charge for a return trip.

Permit #: 0N00 49945 Site Inspection date: 2/21/19
Date Approvals Rcvd: Development Services: Floodplain/enumerations:
Design: Conventional Engineer Design Engineer:
Engineer Job #: Engineer Date Stamped:
LTAR/Soil Type: 5 Groundwater: NA PP1/NA PP2 Bedrock: 60 PP1/NA PP2
Minimum Requirements: Tank Capacity: 1500 Soil Treatment Area: 840
System Feed: Gravity Pump to Gravity Pressure Dosed Other:
System Media: Chambers Cock and Pipe Other Soil Treatment Area: Trenches Bed
Pump specs: Tank capacity:gal Gal/dose: Flow:gpm Total Dynamic Head:'
Additional Comments: Conventional gravity fell system to be installel.
E.H. Specialist: Matt BD Date: 2/21/19 Mapproved Denied



6825 Silver Ponds Heights #101 Colorado Springs, CO 80908 (719) 481-4560

PROFILE PIT EVALUATION

FOR

WICKHAMS WORKBENCH

JOB #14-0345

~

0.00049945 5106001014 8-27-19

Lot #14, Filing #1, Block #1 Elk Creek Ranches Subdivision, 6080 Gambler Place, El Paso County, Colorado

Coloredo Springs, 60 80908



Sincerely,

Charles E. Milligan, P.E. Civil Engineer

PROFILE PIT FINDINGS

Enclosed are the results of the profile pit for the septic system to be installed at Lot #14, Filing #1, Block #1, Elk Creek Ranches Subdivision, 6080 Gambler Place, El Paso County, Colorado. The location of the test pit was determined by Wickhams Workbench. 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 at approximately 6% at least 20 feet. All applicable portions of the El Paso County Health Department Onsite Wastewater Treatment System Regulations (OWTS) must be complied with for the installation of the treatment system.

The inspection was performed on January 10, 2019, in accordance with Table 10-1 of the E.P.C.P.H. OWTS Regulations.

Soil Profile #1:

0 to 6"	-	Topsoil - loam, organic composition.			
6" to 60"	-	USDA soil texture sandy loam, soil type 2A, structure shape granular, structure grade 1, non- cemented, LTAR 0.50, brownish yellow in color, 10 YR 6/6.			
60" to 7'	-	USDA soil texture sandy loam, soil type 2A, structure shape none, structure grade massive, moderately cemented, LTAR 0.50, very pale brown in color, 10 YR 7/4, sandstone.			
Soil Profile #2:					
0 to 6" -		Topsoil - loam, organic composition.			

6" to 8' - USDA soil texture sandy loam, soil type 2A, structure shape granular, structure grade 1, non-cemented, LTAR 0.50, brownish yellow in color, 10 YR 6/6.

Groundwater was not encountered during the inspection. Bedrock was encountered at the depth of 60 inches in Profile Pit #1 during the inspection. No known wells were observed within 100 feet of the proposed system. All setbacks shall conform to county regulations.

Due to encountering USDA soil type 2A, the septic system to be installed on this site need not be designed by a Colorado Licensed Engineer. A conventional septic system is approved for this site. Based on the observed conditions, we feel a design based on an LTAR of 0.50, GPD/SF (USDA 2A, treatment soil, treatment level 1) is reasonable. Maximum depth of the installation shall not be deeper than 12 inches below the existing grade.

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 partly cloudy skies with moderate temperatures.

PROFILE PIT LOG	- Profile P	rit #1		ft.)			
JOB#: 14-0345 DATE EVALUATED: 10 Jan 201 EQUIPMENT USED: MINI-EXCA					SYMBOL SAMPI FS	WATER %	SOIL TYPE
0"-6" <u>TOPSOIL</u> Loam Organic Composition 6"- 60" <u>Sand</u> Fine-coarse Grained Low-moderate Density Low-moderate Moisture Content Low-moderate Clay Content Low Plasticity Brownish Yellow Color 10YR 6/6 60"- 7' <u>Sandstone</u> Fine-coarse Grained High Density Low-moderate Moisture Content Low Clay Content Low Cohesion Low Plasticity Very Pale Brown Color 10YR 7/4	USDA Soil Textur USDA Soil Type: USDA Structure S USDA Structure C Cementation Clas	2A Shape: Granular Grade: 1 ss: Non-cemented btance Rate (LTAR, Treatment Level re: Sandy Loam 2A Shape: None Grade: Massive	1): 0.50				2A 2A
LTAR to be Used for OWTS Sizing: 0.4 Depth to Groundwater (Permanent of Depth to Bedrock and Type: Sandsto Depth to Proposed Infiltrative Surface Soil Treatment Area Slope and Direct Note: See El Paso County Board of He Regulations for Additional Information. Implemented in the Design of the OWT of Soil Treatment Area (STA), Method	or Seasonal): Not E one @ 60" ce from Ground Su stion: Southeast @ ealth Regulation Ch Refer to Table 10- S. System Sizing D	Incountered urface: Max depth 12" (Gravity fed) 6% apter 8: On-Site Wastewater Treatment 1 for Corresponding LTAR if Treatment Depends on a Number of Factors (i.e.)	nts Syster nt Level 2,	ns (O) 2N, 3	or 3	N will I	be e
Distribution Media Used in the STA) Project: 14-0345 Sheet: 1 of 2 Date: 16 Jan 2019 Scale: 1/4" = 1' Drawn by: tcw Checked by: cem Project Name Wickhams V 6080 Gambler Pla Lot 14, Filing 1, B Elk Creek Ranche Sch. No. 5106001 El Paso County, C	and Address Vorkbench lice lock 1 s 014	GEOQUEST, LLC. 6825 SILVER PONDS HEIGHTS SUITE 101 COLORADO SPRINGS, CO 80908 OFFICE: (719) 481-4560 FAX: (719) 481-9204					

PROFIL	LE PIT LOG	- Profile Pi	it #2		i	Ê		T
	345 UATED: 10 Jan 201 T USED: MINI-EXCA				PERMIT	SYMBOL SAMPLES	WATER %	SOTI TVPE
0"-6" <u>TOPSOIL</u> Loam Organic Compo 6"- 8' <u>Sand</u> Fine-coarse Gra Low-moderate I Low-moderate I Low Cohesion Low Plasticity Brownish Yellow 10YR 6/6	ained Density Moisture Content Clay Content	USDA Soil Texture USDA Soil Type: 2 USDA Structure S USDA Structure G Cementation Class Long Term Accept	2A Shape: Granular Srade: 1	reatment Level 1):	2 - 4 - 6 - 0.50 8 - 10 - 12 - 14 -			24
Depth to Groundy Depth to Bedrock Depth to Propose Soil Treatment Ar Note: See El Paso Regulations for Ado mplemented in the	vater (Permanent o and Type: Not Ecn d Infiltrative Surfac ea Slope and Direc County Board of He ditional Information. Design of the OWT	r Seasonal): Not En ountered; Sandstone ce from Ground Sur tion: Southeast @ 6 alth Regulation Cha Refer to Table 10-1 S. System Sizing De	e @ 60" in Pit 1 fface: Max depth 12" % pter 8: On-Site Wast for Corresponding L epends on a Number	" (Gravity fed) tewater Treatments TAR if Treatment Lo r of Factors (i.e. 174	Systems evel 2, 2N	N, 3, or 3	N will b	be
Project: 14-0345 Sheet: 2 of 2 Date: 16 Jan 2019 Scale: 1/4" = 1' Drawn by: tcw Checked by: cem	Project Name a Wickhams V 6080 Gambler Pla Lot 14, Filing 1, Bl Elk Creek Rancher Sch. No. 51060010 El Paso County, C	and Address Vorkbench ce ock 1 s 014	GEOQUES 6825 SILVER POR SUITE 101 COLORADO SPRI 80908 OFFICE: (719) 481-92	ST, LLC. NDS HEIGHTS INGS, CO 1-4560	, and Typ	e of Stor	age /	



0 50 100 150 200 GRAPHIC SCALE IN FEET SCALE: 1" = 200" From: Mike Peterson Sent: Monday, February 18, 2019 2:11 PM To: Greg Wickham Cc: taciepeterson@yahoo.com Subject: RE: Profile Pit Evaluation

Linda,

Attached is the design document as well as my invoice for completing the design document.

To get you septic permit you will have to submit the following to El Paso County Public Health Dept

Geoquest profile pit evaluations that you sent me
 The design document that is attached to this email
 The New OWTS application, that I have also attached to this email.
 Pay the Fee of \$920.00

Note: Im not sure where you want your water well location, I just indicated something on the design document that is at least 100ft away from the septic. This does not mean that is where the water well has to go, you can change the location as long as it stays at least 100ft away from any part of the septic system.

Let me know if you need help with anything else.

Thanks

Mike Peterson Colorado Civil Construction <u>mike@cocivilco.com</u> 303-817-0130

From: Greg Wickham <<u>wickhamsworkbench@gmail.com</u>> Sent: Wednesday, January 30, 2019 2:05 PM To: Mike Peterson <<u>mike@cocivilco.com</u>> Cc: taciepeterson@yahoo.com Subject: Profile Pit Evaluation

Hi Mike and Tacie,

Attached please find the Profile Pit Evaluation which says we should only need the conventional standard septic system. Question, do you draw up the plans for the standard septic system?

We look forward to your quote for the septic system for a 5 bedroom, 3 bath home. If you have any questions, please advise.



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1675 W. Condentative Gods Rds Same 2014 Colorado Springs, ECI Solar 719, 578 3109 719, 575 3188 tax www.clpasocountyhealth.org

CONVENTIONAL (NON-ENGINEERED) ON-SITE WASTEWATER TREATMENT SYSTEM (OWTS) DESIGN WORKSHEET (MUST BE COMPLETED FOR ALL CONVENTIONAL DESIGNS)

Prevent • Promote • Protect

astewater Flow			Mer (Synfra), water is an interpret function of a constant spirity and the party	ani
Total number of bedrooms:			5	
Design wastewater flow (gallons/da)	/) from Table 6-1:		600	
eptic Tank				
Septic tank size (in gallons) from Tab	le 9-1:		1500	
Tank burial depth (from top of tank, (<i>NOTE</i> : Shall not exceed 48 inch dep			24"-36"	
Will groundwater affect tank?	en es refererents	Ves	No	
Will an effluent screen be installed?		Yes	No	
		acconcat of th	o contin tank)	
(Note: Effluent screens are required for a	all new systems or repl	acement of th		
(Note: Effluent screens are required for a il Treatment Area (STA) Long Term Acceptance Rate (LTAR) Fr	rom Table 10-1:	-	.50	
(Note: Effluent screens are required for a il Treatment Area (STA)	rom Table 10-1:	0		
(Note: Effluent screens are required for a I Treatment Area (STA) Long Term Acceptance Rate (LTAR) Fr Unadjusted STA size (see 8.10.C.4) – s Design flow (gallons per day)	rom Table 10-1:	0	.50	
(Note: Effluent screens are required for a il Treatment Area (STA) Long Term Acceptance Rate (LTAR) Fr Unadjusted STA size (see 8.10.C.4) – s <u>Design flow (gallons per day)</u> LTAR (gallons/day/sq.ft.)	rom Table 10-1: show calculation:	600/0	0.50 0.5 = 1200	Pri
(Note: Effluent screens are required for a il Treatment Area (STA) Long Term Acceptance Rate (LTAR) Fr Unadjusted STA size (see 8.10.C.4) – s <u>Design flow (gallons per day)</u> LTAR (gallons/day/sq.ft.) Depth of STA (cannot exceed 48"):	rom Table 10-1: show calculation: = Trenche	600/0	.50	ed,

Method of Septic Tank Effluent Application	(check which applies):	
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Gravity

- Pump to gravity
- Dispersed by siphon

Type of Distribution Media (check which applies):

- C Rock
- Tire chips
- Chambers Other

Other type

Adjusted STA size, using factors from Table 10-2 & 10-3 (show calculation, with adjustment factors utilized):

1200*0.7*1 = 840

A scale drawing shall be provided with each design document (see attached example design documents), showing:

- Layout of entire OWTS, including the STA configuration (trench, bed, etc.)
- Dimensions of the trench(s) or the bed(s)
- Location of all OWTS components and distances to all applicable physical features in Table 7-1
- Depths of all components (or elevations relative to a designated benchmark)
- Location of the soil profile test pit excavation(s), or percolation test holes, if required
- Location of the alternate STA site
- North direction arrow.
- Graphic scale (1"= 20', 1"= 30', etc.)
- Contours, OR slope direction and % slope

Note: It is recommended that the design document is completed by a professional in the OWTS industry. EPCPH does not complete, or alter design documents. Contact EPCPH with any questions.

The proposed STA sites must be protected from disturbance, compaction, or other damage by staking, fencing, posting or other effective methods.



2/18/19

Date

6080 Gambler Place

Colorado Civil Construction, Inc.

Company Name PO Box 207, Peyton, CO 80831

Address

303-817-0130

Phone

mike@cocivilco.com

Property Address

Email

(See attached Tables and Design Document examples)

9/2014