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Environmental Health 1675 W. Garden of the Gods Rd., Suite 2044 Colorado Springs, CO 80907 (719) 578-3199 phone (719) 575-3188 fax www.elpasocountyhealth.org

Onsite Wastewater Treatment System Installation Permit

		PERMI	T DE	TAILS		
Permit No.: 137172	Record ID: ON00	151463 Issued: October 9, 2022			Expires: October 9, 2023	
		SYSTEM I	NFOI	RMATION		
	OWTS Locatio	n: 16315 Rick	enbacl	ker Ave, Monument Co	080	132
Owner: Chris Jeub		Schedule #: 7127001011		Pe	Permit Type: New	
Proposed Use: Commercial		No. of Bedrooms: NA		De	Design Flow (gpd): 1200	
System Type: Gravity		Treatment Level: TL1		W	Water Source: Well	
		PERMIT R	EQUI	REMENTS	·	
Tank: 2500 Pump	Tank: NA	STA: 2016 sq	ft (16	8 Q4/ 134 ARC 36)	Mo	edia: Chamber/bed
STA Depth: 48" maximum		Sand Filter: No Depth: NA		O&M Req: No		
Design Document: GeoQue	est	Document ID#: 22-0086		Da	Date: 3.7.2022	
		ADDITION	AL C	OMMENTS		

- An Engineered OWTS system to be installed on site due to installation OWTS supporting commercial campsites 4 plumbed (2 occupants per site @75 gpd) /4 non-plumbed (2 occupants per site @ 75 gpd), requiring a Tier II licensed installer.
- TIER II LICENSED INSTALLER MUST BE NAMED AND VERIFIED PRIOR TO FINAL APPROVAL OF SYSTEM.
- FLOODWAY on property FW crosses the N property line ~294' from the NW property corner, crosses the S property line ~412' from the SW property corner. STA appears to be outside the FP
- Changes to approved design document must be submitted to EPCPH and design engineer prior to installation of changes
- All horizontal setbacks must be maintained through system installation. In addition, system must remain completely uncovered, including the tank size, for final inspection.
- The well must be installed at time of final inspection, or final approval will not be given until well installation is verified. Must maintain 100' set back to all wells on property or neighboring property.
- Engineered systems require the as built drawing and certification letter from the engineer be submitted to Public Health prior to final approval and Regional Building sign off
- Ensure that all work is completed prior to contacting and requesting final line for inspection, otherwise additional fees may be incurred.
- During excavation, if bedrock, groundwater, changes in soil type from that previously identified, or other notable soil changes are encountered, all excavation must cease and EPCPH is to be contacted for an evaluation to determine if additional tests are required
- Issuance of this permit allows construction of the system as proposed. It does not imply or guarantee final system installation approval. System design or construction changes may be required based upon changed or newly discovered site conditions.

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. This 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 3:00 p.m. the business day prior to the requested inspection date or 1:00 p.m. the business day prior to a holiday. There are NO final inspection on Wednesdays.

Kat McGarvy, M.S., R.E.H.S Revised

Revised Aug 2022



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1675 W. Garden of the Gods Rd., Suite 2044 Colorado Springs, CO 80907 (719) 578-3199 *phone* (719) 578-3188 *fax*

www.elpasocountyhealth.org

Commercial OWTS Application Review

System #: ON0051463 Permit Type: New

Property Address: 16315 Rickenbacker Ave, Monument CO 80132

Approvals Rcvd (New permits only): DSD: 8.31.2022

Floodplain: FP on property: YES Proposed system location outside FP: YES

Specialist: Kat McGarvy <u>Date of Review</u>: 10.9.2022

New/Major Repair/Modification: Site Evaluation date: 9.28.2022

Soil Report: Report date: 2.21.2022

Engineer: GeoQuest Job #: 22-0086

<u>High Rock Content</u>: N/A <u>Soil Type</u>: 2A <u>LTAR</u>: 0.5

<u>Limiting Layer</u>: <u>Groundwater</u>: NONE <u>Bedrock</u>: NONE

Design Document:Design signed: 22-0086Engineer: GeoQuestJob # 3.7.2022

Commercial Facility Type: Campsite Design Flow: 1200

• Design flows must be from table 6-2, submission of water data for active facilities or year of data from 3 similar facility types.

Minimum Requirements:

Tank Capacity: Main: 2500 □ existing

<u>Pump Specs</u>: Tank Capacity: NA □ existing

Gal/dose: NA Flow(gpm): NA Total Dynamic Head: NA

STA Capacity:

 Sq. Ft. (10-1):
 2400
 Sq. Ft. (10-2):
 2880
 Sq. Ft. (10-3):
 2016
 Sq. Ft. (with DV):
 NA

 NDDS:
 Sq. Ft. (10-1):
 NA
 NDDS Factor:
 NA
 Sq. Ft. (NDDS adj):
 NA

 Mound:
 LTAR (imp.):
 N/A
 Chamber adjt:
 NA
 Dist Area:
 NA
 Basal Area:
 NA

End slope: NA Up slope: NA Down slope: NA Greenbelt: NA

STA:

<u>Distribution</u>: Gravity <u>Add. Components</u>: NA

Media: Vault <u>Configuration</u>: NA <u>Depth of Installation</u>: NA NA

Comments: 2016 sq ft (168 Q4/ 134 Arc 36) Campsites: 4 plumbed (2 occupants/site) + 4 non-plumbed (2 occupants/site) 16 @ 75 gpd. FLOODWAY on property – FW crosses the N property line ~294' from the NW property corner, crosses the S property line ~412' from the SW property corner. STA appears to be outside the FP

EH Specialist: Kat McGarvy **Approved Date**: 10.9.2022



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ON-SITE WASTEWATER TREATMENT SYSTEM PERMIT APPLICATION

Submit application to HEASepticinfo@elpasoco.com

	PROPERTY	INFOR	MATION	
Applicant Name	Chris Jeub			
Property Address	16315 Rickenbacker Ave		City, State, Zip	Monument, CO 80132
Phone	719-660-5781	Email	chrisjeub@gmai	l.com
Legal Description	LOT 2 BLK 1 VANS SUB			
Tax Schedule #	7127001011	Lot Size	6.44 acres	
Is the property gated?	☐ Yes ■ No Code:		Water Supply	■ Well □ Cistern □ Municipal
Proposed Use:	☐ Residential ☐ Multifamily	■ Comm	ercial	Potential Number of Bedrooms: 8
	OWNER	INFORM	ATION	
Name	Chris Jeub		Phone	719-660-5781
Mailing Address	16315 Rickenbacker Ave		City, State, Zip	Monument, CO 80132
Email	chrisjeub@gmail.com			
General Contractor	Isaiah Jeub		Phone/Email	(719) 625-8268
System Installer	Maxus Escavating		Phone/Email	850-399-0620
	All engineered-design systems mus	st he installe	d hy a Tier II license	ed installer

PERMIT FE	ES AS ESTABLISHED BY EL PASO COUNTY BOARD OF HEALTH			
■ New Permit	\$750.00 (EPCPH Charge) + \$147.00 (EPC Planning Dept. Surcharge) + \$23.00 (CDPHE Surcharge) = \$920.00			
Permit fee includes: Application	design review, site evaluation, and 1 final inspection. Additional inspections incur additional fees			
☐ Modification Permit	\$675.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = \$698.00			
Permit fee includes: Application	design review, site evaluation, and 1 final inspection. Additional inspections incur additional fees			
☐ Major Repair Permit	\$535.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = \$558.00			
Permit fee includes: Application design review, site evaluation, and 1 final inspection. Additional inspections incur additional fees				
☐ Minor Repair Permit	\$245.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = \$268.00			
Permit fee includes: Application review, 1 final inspection. Additional inspections incur additional fees				
All Payments are due at the time of application submittal; by check or major credit card (Visa / MC) Permits expire one year from the date of issuance, unless otherwise noted.				

	REOUIRE	ED: ADDITIONAL PRO	OPERTY INFORMATION	
System Type		☐ Conventional Design	Number of Structure(s) to be connected: 4	
Written Scope Installation of		er engineers specifications a	and design criteria and El Paso County regulations.	
Take exit Hwy	y 105 from I-25, head W	rty from a main highway: Test down 2nd street. Turn l n right on Rickenbacker. T	eft on Mitchell. Turn right on Arnold. Turn left on hird house on the left.	
Profile of Propose	excavation test pit and/or soil ed and alternate soil treatment gates require the gate code or	be clearly marked and visible fro profile holes must be clearly man areas must be protected from control lock combination be provided on the the above information may restrict the provided of the combination of the provided of the provide	rked mpaction and disturbance	
	C	OMPLETE APPLICA	TION INCLUDES	
			red components are included in submission.	
■ Colorado	Professional Engineer (P.E.) stamped soils report:	55147	
Soil	s report: including at least 2	2 soil profile excavation pits, in	accordance with section 8.5 A-F of OWTS regulations	
■ Calculation	on/Design Worksheet			
Clear leg	gible 8.5'x11' Design Do	ocument		
Design docume	nt must include proposed ar	nd alternate locations, profile p structures and feature	it locations with respect to system layout, all setbacks to pertinenes in table 7-1.	ıt
El Paso County	information provided on this Board of Health. I also autho on necessary for the issuance	rize the assigned representative o	a the Chapter 8 Onsite Wastewater System (OWS) Regulations of the f El Paso County Public Health to enter onto this property in order to)
Applicant Sig	Chris Jeub		Aug 1, 2022	'

Submit application to HEASepticinfo@elpasoco.com



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

To Whom It May Concern,

Attached are the results of the Profile Pit Evaluation performed for your site. Completion of the report does NOT automatically place you in the queue to complete a design. We require the following information is provided to us prior to placing a job in the queue.

- 1. Accurate number of bedrooms either proposed or existing in the house. Be sure to include all rooms with closets.
- 2. Designs for new construction also requires submittal of a site plan. This shall include at a minimum the following: all property lines dimensioned with lengths and angles, accurate dimensions from the house to property lines and corners, proposed construction of all buildings, location of Well with dimensions from structures and property lines, location of driveway, drawings <u>MUST</u> be to Scale, and slope or topography lines. Additional fees will be assessed for incomplete and unclear site plans. A surveyor's CADD file is preferred (.DWG or .DXF). It is your responsibility to provide correct information. Additional fees will be assessed if any information changes.
- 3. Site plans that are provided as DWG / DXF Files are exempt from redrawing fees. PDF Files of Surveyor's Site Plans for New Builds <u>WILL</u> incur a \$50 Redrawing Fee. Hand drawn Site Plans for New Builds <u>WILL</u> incur a \$200-\$400 Redrawing Fee and a site walk will be required. Septic Repair Designs do <u>NOT</u> incur Additional Fees.

Please read the evaluation to determine if the system for your site shall be designed by a licensed engineer or if a conventional design is allowed. If a conventional system is allowed, a design document is still required by the health department, this may be provided by an engineer, installer, or builder familiar with On-Site Wastewater Treatment System (OWTS) regulations. OWTS Designs and Record Drawings are done at an additional cost. Please contact the office for pricing. If installing in El Paso County, an Engineer's Record Drawing (additional fee) is required for final acceptance by the health department. If installing in a different county please verify with the installer who will be completing the Record Drawing. We are happy to complete this for an additional fee.

Per county and state regulations, the Soil Treatment Area (STA), commonly referred to as the leach field, shall be installed adjacent to the test pit locations. Any alteration or deviation from the tested locations will require additional testing at an additional cost.

The homeowner shall be made aware of the responsibilities of owning a septic system. Please contact your local health department for homeowner responsibilities and Do's and Don'ts.

Geoquest, LLC provides no warranty for the evaluation or design (should this be completed). This evaluation and design have been prepared in compliance with the state and the local governing public health department's regulations. However, the test procedures are limited in determining soil absorption across the proposed STA. Many factors contribute to soil absorption outside of our control as well as unknown water usage. It is important to follow proper OWTS installation practices to minimize risk.

Please feel free to contact us at (719) 481-4560, if you have any questions.



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

PROFILE PIT EVALUATION

FOR

CHRISTOPHER JEUB

JOB #22-0086

Lot #2, Block #1, Vans Subdivision, 16315 Rickenbacker Avenue, El Paso County, Colorado

Sincerely,

Douglas J. Pretzer, P.E.

Dougles J Proton

Civil Engineer

PROFILE PIT FINDINGS

Enclosed are the results of the profile pit for the septic system to be installed at Lot #2, Block #1, Vans Subdivision, 16315 Rickenbacker Avenue, El Paso County, Colorado. The location of the test pits was determined by Christopher Jeub. 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 east at approximately 15% at least 20 feet. All applicable portions of the El Paso County Public Health Department Onsite Wastewater Treatment System Regulations (OWTS) must be complied with for the installation of the treatment system.

The inspection was performed on February 4, 2022, in accordance with Table 10-1 of the E.P.C.P.H. OWTS Regulations.

Soil Profile #1:

0 to 4" - Topsoil - loam, organic composition.

4" to 8' - USDA soil texture sandy loam, soil type 2A, structure shape massive, structure grade 0, non-cemented, LTAR 0.50, dark brown in color, 10 YR 3/3, 18% rock.

Soil Profile #2:

0 to 4" - Topsoil - loam, organic composition.

- USDA soil texture sandy loam, soil type 2A, structure shape massive, structure grade 0, non-cemented, LTAR 0.50, very dark grayish brown in color, 10 YR 3/2, 15% rock.

Groundwater was not encountered during the inspection. Bedrock was not encountered during the inspection. No known wells were observed within 100 feet of the proposed system. All setbacks shall conform to county regulations.

Due to a multi-family system being required, the septic system to be installed on this site shall be designed by a Colorado Licensed Engineer. 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 4 feet 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 clear skies with freezing temperatures.

PROFILE PIT LOG - Profile Pit #1 JOB#: 22-086 DEPTH DATE EVALUATED: 04 February 2022 EQUIPMENT USED: MINI-EXCAVATOR 0"-4" TOPSOIL Loam Organic Composition 2A 4"- 8' Sand Fine-coarse Grained USDA Soil Texture: Sandy Loam **High Density** USDA Soil Type: 2A Low-moderate Moisture Content USDA Structure Shape: Massive Low-moderate Clay Content USDA Structure Grade: 0 Low-moderate Cohesion Cementation Class: Non-cemented Low-moderate Plasticity Long Term Acceptance Rate (LTAR, Treatment Level 1):0.50 Dark Brown Color 18% Rock 10YR 3/3

LTAR to be Used for OWTS Sizing: 0.50GPD/SF (USDA Type 2A, Treatment soil, Treatment Level 1)

Depth to Groundwater (Permanent or Seasonal): Not Encountered

Depth to Bedrock and Type: Not Encountered

Depth to Proposed Infiltrative Surface from Ground Surface: Unknown (Maximum 4 ft Below Existing Ground Surface)

Soil Treatment Area Slope and Direction: East @ 15%

Note: See El Paso County Board of Health Regulation Chapter 8: On-Site Wastewater Treatments Systems (OWTS) Regulations for Additional Information. Refer to Table 10-1 for Corresponding LTAR if Treatment Level 2, 2N, 3, or 3N will be Implemented in the Design of the OWTS. System Sizing Depends on a Number of Factors (i.e. LTAR, # of Bedrooms, Type of Soil Treatment Area (STA), Method of Transfer to the STA (Gravity, Dosed, or Pressure Dosed), and Type of Storage / Distribution Media Used in the STA)

Project: 22-0086	Project Name and Address
Sheet: 1 of 2	Project Name and Address
Date: 11 Feb 2022	Chris Jeub
	16315 Rickenbacker Avenue Lot 2, Block 1
Scale: 1/4" = 1'	Vans Subdivision
Drawn by: rah	Sch. No. 7127001011
Checked by: djp	El Paso County, Colorado

GEOQUEST, LLC.	
6825 SILVER PONDS HEIGHTS SUITE 101 COLORADO SPRINGS, CO 80908	
OFFICE: (719) 481-4560 FAX: (719) 481-9204	

PROFILE PIT LOG - Profile Pit #2 JOB#: 22-086 DEPTH DATE EVALUATED: 04 February 2022 EQUIPMENT USED: MINI-EXCAVATOR 0"-4" TOPSOIL Loam Organic Composition 2A 4"- 8' Sand Fine-coarse Grained USDA Soil Texture: Sandy Loam USDA Soil Type: 2A High Density USDA Structure Shape: Massive Low-moderate Moisture Content Low-moderate Clay Content USDA Structure Grade: 0 Low-moderate Cohesion Cementation Class: Non-cemented Long Term Acceptance Rate (LTAR, Treatment Level 1):0.50 Low-moderate Plasticity Very Dark Grayish Brown Color 15% Rock 10YR 3/2

LTAR to be Used for OWTS Sizing: 0.50GPD/SF (USDA Type 2A, Treatment soil, Treatment Level 1)

Depth to Groundwater (Permanent or Seasonal): Not Encountered

Depth to Bedrock and Type: Not Encountered

Depth to Proposed Infiltrative Surface from Ground Surface: Unknown (Maximum 4 ft Below Existing Ground Surface)

Soil Treatment Area Slope and Direction: East @ 15%

Note: See El Paso County Board of Health Regulation Chapter 8: On-Site Wastewater Treatments Systems (OWTS) Regulations for Additional Information. Refer to Table 10-1 for Corresponding LTAR if Treatment Level 2, 2N, 3, or 3N will be Implemented in the Design of the OWTS. System Sizing Depends on a Number of Factors (i.e. LTAR, # of Bedrooms, Type of Soil Treatment Area (STA), Method of Transfer to the STA (Gravity, Dosed, or Pressure Dosed), and Type of Storage / Distribution Media Used in the STA)

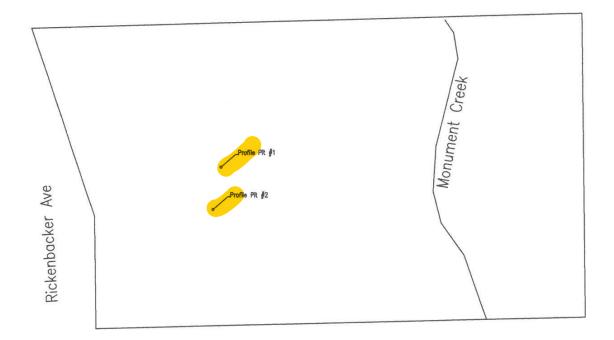
Project: 22-0086	Project Name and Address
Sheet: 2 of 2	Froject Name and Address
Date: 11 Feb 2022	Chris Jeub
Scale: 1/4" = 1'	16315 Rickenbacker Avenue Lot 2, Block 1 Vans Subdivision
Drawn by: rah	Sch. No. 7127001011
Checked by: djp	El Paso County, Colorado

GEOQUEST, LLC.	
6825 SILVER PONDS HEIGHTS SUITE 101 COLORADO SPRINGS, CO 80908	
OFFICE: (719) 481-4560 FAX: (719) 481-9204	

GEOQUEST LLC

SITE MAP

Lot 2, Block 1
Vans Subdivision
16315 Rickenbacker Avenue
El Paso County
Colorado
Job #22-0086





0 25 50 75 100 125 GRAPHIC SCALE IN FEET SCALE: 1" = 125' *Location from Southwest Lot Corner to Profile Pit #1: S. 45° E. - 346' Location from Profile Pit #1 to Profile Pit #2: N. 12° E. - 60' GPS Coordinates Profile Pit #1: N. 39° 04' 5.0", W. 104° 52' 28.9" GPS Coordinates Profile Pit #2: N. 39° 04' 5.5", W. 104° 52' 28.8"

Cover Page

CALCULATIONS (New OWTS)

Multi-Family Camping Site

Bathhouse Serving up to 4 "Off-Grid" Campsite (2 Occupants/Site) Campsites (2 Occupants/Site) Up to 4 Plumbed "Premium n=16 Occupants

q=75 GPD/Occupant

TAR = 0.50 Gallons per Day per Square Foot (GPD/SF). USDA Soil Type 2A per Profile Pit 2/4/2022

Q = (16 Occupants)(75 GPD/Occupant) Q = 1,200.0 GPD

H LTAR = Y

1,200.0 GPD 0.50 GPD/SF

A = 2,400.0 SF

Gravity Fed Chamber Beds: A = (2,400.0 SF)(1.2)(0.7)A = 2,016.0 SF Required

CHAMBER BED SYSTEM (Gravity Fed):

Chambers = 2,016.0 SF / 12.0 SF = Min. 168 Chambers Infiltrator Systems Inc. Quick 4 Standard Chambers # Chambers = SF RQD / 12.0 SF per Chamber Install 2 Zones: 4 Rows x 21 Chambers Long Total Contact Area = 2,016.0 SF Actual Total Contact Area = 2,016.0 SF Required # Chambers Provided = 168 Total

For ARC 36 Standard Chambers (15.0 SF / Chamber, Min. 135 Chambers). Install 2 Zones with 4 Rows of 17 Chambers (136 Note: Use of Alternative Chambers is Acceptable. Total). Contact Engineer for Clarification.

MAXIMUM DEPTH:

48" As Measured on the Up-Hill Side of the Excavation

TANK SIZES:

OR 1,500 Gallon (One-Compartment) + 1,000 Gallon (One-Compartment) Main Tank Size = Min. 2,500 Gallons (Two-Compartment) EPCHD Approved Effluent Filter on Outlet OR (2) 1,250 Gallon (One-Compartment)

Should be Advised of Maintenance and Special Considerations for Septic Systems. Refer to El Paso County Public Health Brochure: "Maintaining Your Septic System" for Additional Geoquest, LLC. has Provided this Design in Accordance with the Standards of Practice Common to the Area. However, as with All Underground Absorption Fields, Guarantee from Information. Due to the Possibility of Unknown Water Usage Factors, Geoquest, LLC. Provides No Warranty of this Design or Installation Against Failure or Damage of Any Type. Therefore, the Limits of Liability Extend Only to the Fee Rendered for the Professional Services Provided. Operation of the System in the Future. Proper Design, Construction, and Maintenance can Assist in Minimizing Uncertainties, but Cannot Entirely Eliminate Them. Homeowners Failure is Impossible. Even with Proper Installation, as Outlined for this Proposed Construction, There Can Remain Many Uncertainties, and Difficulties Can Still Arise in the

INSPECTIONS REQUIRED ARE AS FOLLOWS

- I.) Engineer Will Inspect the Installation of All OWTS Components (i.e. All Plumbing, Tanks, Pump Chamber, STA, etc.) Prior to Backfill.
- 2.) Engineer to Inspect the Soil Treatment Area After Backfill to Insure Min. Cover and Proper Drainage Away from Soil Treatment Area. Please Notify this Office Min. 24 Hours Prior to Inspection

All Setbacks Shall Conform to El Paso County Regulations

information). Contractor/Homeowner Must Verify All

(See Table 7-1 in the Regulations for Additional Setbacks and Obtain Utility Clearances Prior to

All Work per El Paso County Board of Health Regulations Chapter 8: On-Site Wastewater Treatment Systems

(OWTS) Criteria.

GENERAL NOTES:

Provide 2.0% Min. Grade on Pipe to Septic Tank. Provide 2.0% Min. Grade on Pipe to the Soil Treatment Area.

All Bends Limited to 45 Degree Ells or Long Sweep Quarter Bends. Areas Under Driveways Shall Be Protected as Per El Paso County Health Department Regulations. Building Sewer Clean-Outs Shall Be Installed within 5 FT of the Structure and at Intervals Not to Exceed 100' in Straight Runs and When the Cumulative Change in Direction Exceeds 135 Degrees.

Quarter Bends. Areas Under Driveways Shall Be Protected

All Bends Limited to 45 Degree Ells or Long Sweep

Engineered OWTS from the El Paso County Health

Contractor/Homeowner is Responsible for Permit. Contractor/Homeowner Must Obtain Approval of

Construction.

as Per El Paso County Health Department Regulations.

5 FT of the Structure and at Intervals Not to Exceed 100 FT

Building Sewer Clean-Outs Shall Be Installed within

n Straight Runs, Upstream at Each Change of Direction

Greater Than 45°, and at Any Combination of Bends

Greater Than 45° within a 40 FT Section of Building Sewer

Grade Surrounding Area to Drain Away from the Soil

Treatment Area (STA).

Paving, Planting of Trees/Shrubs, Irrigation, Vehicular

Traffic or Hoofed Animal Traffic of Any Kind Over the STA may Cause Premature Failure and is Prohibited. Refer to Sheet 2, 3, and 4 for Additional

Details and Information.

FINAL GRADING NOTES:
Soil Treatment Area Shalf Be Crowned and Covered with a Minimum of 6" of Select Topsoil to Provide a Base for Good Vegetative Cover.

Damage/Block Pipes. Vegetation Shall Be Maintained and Mowed to Prevent Contact Soil Conservation Service or County Extension Agent for Vegetation Formation of Bio-Matting. Do Not Pave Over the Soil Treatment Area. Best Suited for the Area. Grasses are Best. Trees and Shrubs May

Provide Drainage Swale Around Uphill Side of the Soil Treatment Area.

HOMEOWNER RESPONSIBILITY:

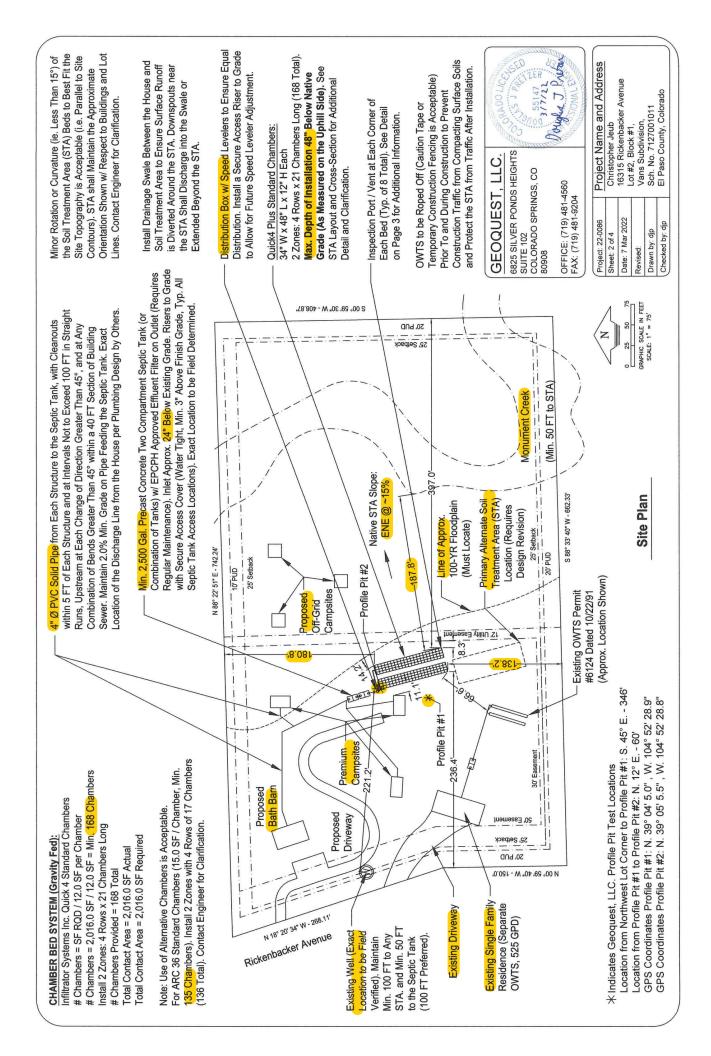
- (or As Needed, Contact Licensed Pumper) Have Septic Tank Pump Every 3-5 Years
 - Have OWTS Inspected Annually -Clean Effluent Filter
- -Check Water Levels in Inspection Ports Plant Native Grass Over STA
- (No Plants with Roots or that Require Irrigation)
- Don't Pour Chemicals Down Drain Don't Throw Trash in Toilet
- (Minimize Toilet Paper Consumption)
- Use of Garbage Disposal is Discouraged
- Conserve Water and Repair Leaking Fixtures

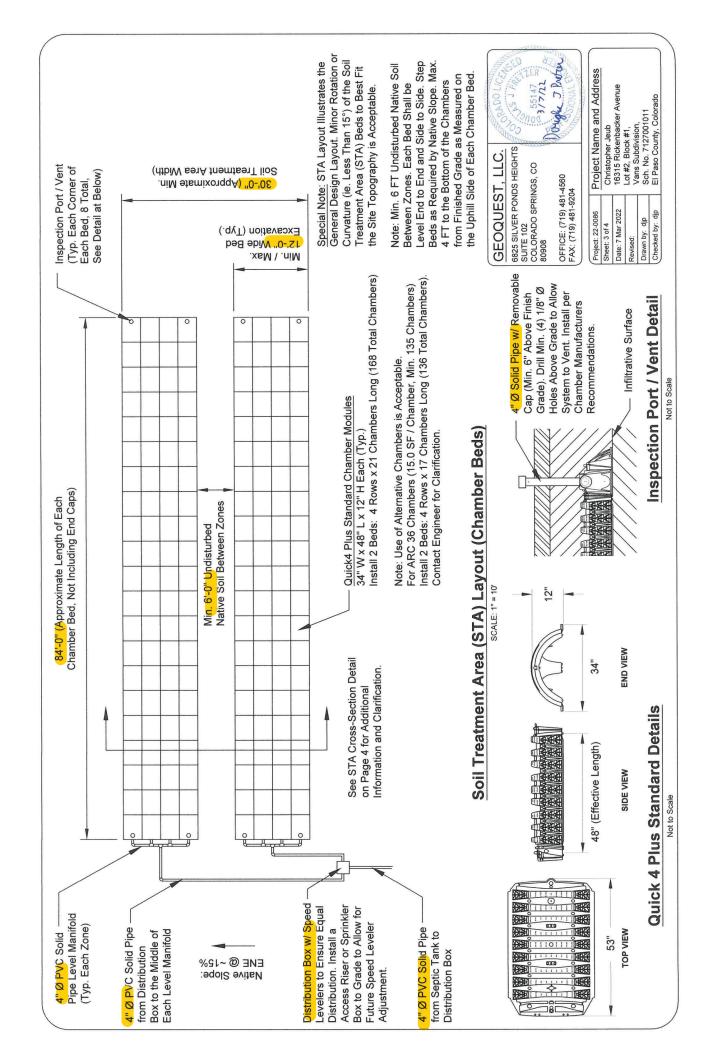
This is NOT a Complete List (Contact Local Health Department and EPA List of Septic "Do's and Don'ts"

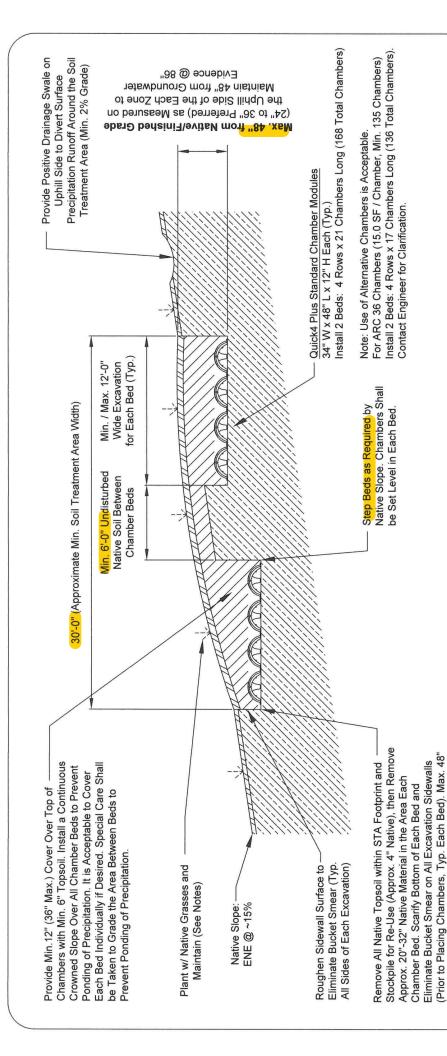
OUGH J Prish Project Name and Address DAY SAN ER 141/1/6 Christopher Jeub 16315 Rickenbacker Avenue Vans Subdivision, Sch. No. 7127001011 El Paso County, Colorado Lot #2, Block #1, Date: 7 Mar 2022 Checked by: djp Drawn by: djp Sheet: 1 of 4

Revised:

6825 SILVER PONDS HEIGHTS GEOQUEST, LLC. SUITE 102 COLORADO SPRINGS, CO OFFICE: (719) 481-4560 FAX: (719) 481-9204 Project: 22-0086 80608







Soil Treatment Area (STA) Cross-Section (Chamber Beds)

Not to Scale

Step Beds as Required by Native Slope. Max. 48" to the Note: Min. 6 FT Undisturbed Native Soil Between Zones.

Measured on the Uphill Side of Each Chamber Bed

Bottom of the Chambers from Finished Grade as

Each Bed Shall be Level End to End and Side to Side.

to the Bottom of the Chambers from Finished Grade as

Measured on the Uphill Side of Each Chamber Bed.

All from STA Footprint and Stockpile Native Topsoil (Approx. 4", Remove Topsoil (Min. 6" on Final Cover) for Re-Use on Final Cover)

Approved Material to Provide Cover (Min. 12", Max. 36" Total, Including Topsoil)

Beds to Best Fit the Site Topography is Acceptable.

Less Than 15°) of the Soil Treatment Area (STA)

Special Note: STA Layout Illustrates the General Design Layout. Minor Rotation or Curvature (ie.

Native Soil - Sandy Loam (USDA 2A, Approx. 4" - 8" Below Existing Grade)

6825 SILVER PONDS HEIGHTS GEOQUEST, LLC. COLORADO SPRINGS, CO 80908

OFFICE: (719) 481-4560 FAX: (719) 481-9204

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317/22

Project: 22-0086 Sheet: 4 of 4
Date: / Mar 2022
Kevised:
Drawn by: djp
Chacked hy. din

Project Nan	Christopher Jeub	16315 Ricken	Lot #2, Block #1,	Sch. No. 7127001011	El Daco Coun
Project Name and Address	Jeub	16315 Rickenbacker Avenue	X#1,	27001011	El Daco County, Colorado