

Attn: JOSHUA YUTZY
14450 EASTONVILLE RD
ELBERT, CO 80106

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.



**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.elpasocountyhealth.org

NEW SYSTEM PERMIT - OWTS

Valid From 6/3/2019 To 6/3/2020

PERMITEE :

JOSHUA YUTZY
14450 EASTONVILLE RD
ELBERT, CO 80106

OWNER NAME :

JOSHUA YUTZY

Onsite ID: ON0050053

Tax Schedule # : 4205003001

Permit Issue Date: 06/03/2019

Dwelling Type: RESIDENTIAL

of Bedrooms (if Res): 4

Proposed Use (if Comm):

Designed Gallons/Day:

Water Source: PRIVATE WELL

System Installation Requirements:

- A Conventional non-engineered OWTS system to be installed on site, requiring a minimum of Tier I licensed installer to be named prior to final approval.
- System installation includes a pump to gravity fed system (Zoeller M98 pump) with d-box to chamber in trenches, max installation depth of 30" due to groundwater evidence at 78". Minimum tank requirements 1250 gallon and 414 sq ft of soil treatment area (35 Q4 / 28 Arc 36 chambers required).
- The system must be installed per approved design document signed and dated 5.28.2019, changes to the approved design document must be submitted and approved by Public Health prior to installation.
- 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.
- Ensure that all work is completed prior to contacting and requesting final line for inspection, otherwise additional fees may be incurred.

For questions, call Bex: 352-1846

Bex Roberts

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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 3:30 p.m. the business day prior to the requested inspection date.


Authorized By: Environmental Health Specialist



Environmental Health Division

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SR0011724 AR0015659 ON0050053

APPLICATION FOR AN ON-SITE WASTEWATER TREATMENT SYSTEM PERMIT

Property Information:

Property Address: 14450 Eastonville Rd, Elbert City and Zip: 80106

Legal Description: The Meadows AT Eastonville Rd

Tax Schedule #: 42-050-03-001 Lot size: 5.3 acres

Is the property gated: ☐ Yes ☒ No Please provide a gate code if necessary: _____

Site Located Inside City Limits: ☐ Yes ☐ No Proposed Use: ☒ Residential ☐ Commercial

Water Supply: ☒ Well ☐ Cistern ☐ Municipal Potential Number of Bedrooms: 4

Has a Conditional Acceptance Document been issued for this property: ☐ Yes ☒ No ☐ Unsure

Owner Information: ☒ Primary Contact

Owner: Joshua Yutzy Daytime Phone: 719-357-1665

Owners Mailing Address: 14947 Eastonville Rd, Elbert CO, 80106

Email Address: joshuayutzy89@gmail.com Fax #: _____

General Contractor: Joshua Yutzy Phone/Email: 719-357-1665

OWTS Installer Information: ☐ Primary Contact

System Installer: Down To Earth Excavating Daytime Phone: 719-495-3660

Email Address: rick.down2earthexc@gmail.com Licensed installer: ☐ Tier 1 ☐ Tier 2

All engineer-design systems must be installed by a Tier 2 licensed installer

CURRENT FEES AS APPROVED BY THE EL PASO COUNTY BOARD OF HEALTH

All Payments are due at the time of application submittal; by cash, check or major credit card (Visa / MC)

☒ **New Permit:** \$750.00 (EPCPH Charge) + \$147.00 (EPC Planning Dept. Surcharge) + \$23.00 (CDPHE Surcharge) = **\$920.00**

☐ **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 noted

REQUIRED: Provide a complete written scope of work to be performed on the property.

New house build / New septic system

The following documents MUST be included with your application.

- A soils report: including at least 1 soil profile excavation pit, in accordance with section 8.5 A-F of OWTS regulations
- A clear and legible design document: including the proposed and alternate locations, as well as system layout, labeled 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.

Failure to provide the above listed documents may result in denial of the permit application

I certify that the information provided on this application is in compliance with Section 8.3, Chapter 8 of the Onsite Wastewater System (OWS) Regulations of the El Paso County Board of Health. I also authorize the assigned representative of El Paso County Public Health to enter onto this property in order to obtain information necessary for the issuance of a permit.

Applicants Signature: Josh Yutzy Date: 5/13/19

Box

- 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.

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

4 beds

Permit #: 0N0650053 Site Inspection date: 5/21/19

Date Approvals Rcvd: Development Services: Floodplain/enumerations: 5/22

Design: ☒ Conventional ☐ Engineer Design Engineer: _____

Engineer Job #: _____ Engineer Date Stamped: _____

LTAR/Soil Type: 0.8 / Type 1 Groundwater: 78" PP1/ 70" PP2 Bedrock: PP1 PP2

Minimum Requirements: Tank Capacity: 1250 Soil Treatment Area: 414 A22

System Feed: ☐ Gravity ☒ Pump to Gravity ☐ Pressure Dosed ☐ Other: _____

System Media: ☒ Chambers ☐ Rock and Pipe ☐ Other Soil Treatment Area: ☒ Trenches ☐ Bed

Pump specs: Tank capacity: _____ gal Gal/dose: _____ Flow: _____ gpm Total Dynamic Head: _____'

Additional Comments: 525/0.8 = 65.625 (0.9) = 590.625 (0.7) = 413.44
(3504/204236) Max depth of 30" Zoeller M90

E.H. Specialist: Ben Perez, R.S. Date: 5/30/2019 ☒ Approved ☐ Denied

ON: 0050053
Tax: 4205003001
Enal: 3/11/2020



PARR ENGINEERING & CONSULTING, INC.



Christopher L. Parr, P.E. Principal
11590 Black Forest Road, Suite 10, Colorado Springs, CO 80908
Office: 719-494-0404 Cell: 719-659-1313

PROFILE PIT EVALUATION

Date: April 23, 2019 **Job:** JN: 19.078

Site Location: 14450 Eastonville Road,
Elbert, CO 80106

Purpose of Investigation: To determine general subsurface soil conditions at the site location & to formulate design criteria for the proposed On-Site Wastewater Treatment system (OWTS)

Field Procedure: The materials in the various strata of the soil profile pit were visually classified in accordance with the U.S. Department of Agriculture (USDA) standards.



Profile Pit	Yes
Perc Test	-

Date: (Profile Eval) April 18, 2019
Excavator Contractor
Evaluator D. Mizicko

Depth to Groundwater (permanent or seasonal) Pit #1: 6'-6"
Depth to Groundwater (permanent or seasonal) Pit #2: 6'-6"

Depth to Bedrock - Pit #1: Not Reached
Depth to Bedrock - Pit #2: Not Reached

Other Terrain Features or Soil Conditions: See Attached Site Map

Endorsement: Christopher L. Parr P.E.

Profile Pit 1	
Latitude:	39° 2'29.44"N
Longitude:	104°34'22.26"W
Layer	Soil Type & LTAR
0 - 0'-6"	Topsoil
0'-6" - 4'-6"	Type 1 (LTAR=0.80)
4'-6" - 6'-6"	Type 4 (LTAR=0.20) ✓
6'-6" - 7'-6"	Type 4 (LTAR=0.20) ✓
7'-6" - 8'-0"	Type 1 (LTAR=0.80)

Profile Pit 2	
Latitude:	39° 2'29.41"N
Longitude:	104°34'21.47"W
Layer	Soil Type & LTAR
0 - 0'-6"	Topsoil
0'-6" - 4'-6"	Type 1 (LTAR=0.80)
4'-6" - 6'-6"	Type 4 (LTAR=0.20) ✓
6'-6" - 7'-6"	Type 4 (LTAR=0.20) ✓
7'-6" - 8'-0"	Type 1 (LTAR=0.80)

Location			
		Latitude:	Longitude:
Perc #1	N/A	Min./In.	-
Perc #2	N/A	Min./In.	-
Perc #3	N/A	Min./In.	-
Average:		N/A	Min./In.

Bf 5/28



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Google Site Map





Parr Engineering & Consulting, Inc.
11590 Black Forest Road, Suite 10
Colorado Springs, Colorado 80908
Phone: 719-494-0404

Profile Pit - Log

Job Number: 19.078
Date Evaluated: 04/18/19
Profile Pit#: Pit #1

Excavator: Contractor
Logged By: D. Mizicko
Method: Profile Pit
Auger & Size: Mini Excavator
Total Depth: 8'-0"
STA Slope & Direction: Generally Flat
Latitude: 39° 2'29.44"N
Longitude: 104°34'22.26"W

Depth (ft.)	Sample Interval	14405 Eastonville Road, 80106						
		USDA Soil Texture	USDA Soil Structure - Shape	Soil Structure Grade	Redoximorphic Features Present? (Y/N)	Soil Type (from Table 9 in O-14)	% Rock Frag.	Color
		Topsoil						
2		Loamy Sand	Single Grain	Structureless	No	Type 1 (LTAR = 0.80) Treatment Level 1	<35%	2.5Y 5/6 (Moist)
4								
6		Clay	Granular	Moderate	No	Type 4 (LTAR = 0.20) Treatment Level 1	<35%	2.5Y 6/3 (Moist)
		Clay	Granular	Moderate	Yes	Type 4 (LTAR = 0.20)	<35%	2.5Y 5/6 (Moist)
8		Sand	Single Grain	Structureless	Yes	Type 1	<35%	2.5Y 5/6
		Total Depth= 8'-0"						
10								

Evidence of Groundwater: Not Reached
Depth to Bedrock: Not Reached

Additional Notes: Evidence of a seasonal ground water table and/or constantly saturated soils (redoximorphic features) were identified in the profile pit at a depth of 6'-6" below grade.

5/28

**Parr Engineering & Consulting, Inc.**

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Colorado Springs, Colorado 80908
Phone: 719-494-0404

Profile Pit - Log

Job Number: 19.078
Date Evaluated: 04/18/19
Profile Pit#: Pit #2

Excavator: Contractor Total Depth: 8'-0"
Logged By: D. Miziako STA Slope & Direction: Generally Flat
Method: Profile Pit Latitude: 39° 2'29.41"N
Auger & Size: Mini Excavator Longitude: 104°34'21.47"W

Depth (ft.)	Sample Interval	14405 Eastonville Road, 80106						
		USDA Soil Texture	USDA Soil Structure - Shape	Soil Structure Grade	Redoximorphic Features Present? [Y/N]	Soil Type (from Table 9 in O-14)	% Rock Frag.	Color
		Topsoil						
2		Loamy Sand	Single Grain	Structure-less	No	Type 1 (LTAR = 0.80) Treatment Level 1	<35%	2.5Y 5/4 (Moist)
4								
6								
		Clay	Granular	Moderate	No	Type 4 (LTAR = 0.20) Treatment Level 1	<35%	2.5Y 6/3 (Moist)
		Clay	Granular	Moderate	Yes	Type 4 (LTAR = 0.20)	<35%	2.5Y 5/6 (Moist)
8		Sand	Single Grain	Structureless	Yes	Type 1	<35%	2.5Y 5/6
		Total Depth= 8'-0"						
10								

Evidence of Groundwater: Not Reached

Depth to Bedrock: Not Reached

Additional Notes: Evidence of a seasonal ground water table and/or constantly saturated soils (redoximorphic features) were identified in the profile pit at a depth of 6'-6" below grade.

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PROFILE PIT EVALUATION REPORT - General Notes, Regulations & Limitations

General Notes:

This report presents the data obtained pertaining to a Profile Pit Evaluation conducted at the locations indicated on the included Site Map. The purpose of this investigation was to evaluate subsurface soil-profile(s) in the area of the proposed Soil Treatment Area (STA) and to establish design criteria for an On-Site Wastewater Treatment system (OWTS).

Board of Health Regulations & Regulation No. 43 - Engineered Systems:

At proposed soil treatment area locations where any of the following conditions are present, the system shall be designed by a professional engineer and approved by the Health Department:

1. For soil types 3A, 4, 4A, 5, R-0, R-1 and R-2, and Treatment Levels TL2, TL2N, TL3, and TL3N as specified in Tables 10-1 and 10-1A of this regulation;
2. The maximum seasonal ground water surface is less than four feet below the bottom of the proposed absorption system.
3. A restrictive layer exists less than four feet below the bottom of the proposed absorption system
4. The ground slope is in excess of thirty percent
5. Pressure distribution is used.

Limitations:

The data presented in this report is specific to the locations of the Profile Pit locations evaluated. It must be understood and accepted that subsurface conditions can, and often do vary across any given area. These variations may not become evident until the time of system installation. If the subsurface conditions are discovered to vary anywhere across the system footprint, Parr Engineering AND The Design Engineer must be notified immediately for further evaluation. If another individual or party relies on this report, they shall indemnify and hold Parr Engineering & Consulting, Inc. harmless for any damages, losses, or expenses that may incur as a result of its use, except as allowed by law.

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Environmental Health Division

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

Wastewater Flow

Total number of bedrooms: 4
Design wastewater flow (gallons/day) from Table 6-1: 525

Septic Tank

Septic tank size (in gallons) from Table 9-1: 1500

Tank burial depth (from top of tank, in inches) 24 inches
(**NOTE:** Shall not exceed 48 inch depth by regulation)

Will groundwater affect tank? Yes ☐ No ☒

Will an effluent screen be installed? Yes ☒ No ☐
(**Note:** Effluent screens are required for all new systems or replacement of the septic tank)

Soil Treatment Area (STA)

Long Term Acceptance Rate (LTAR) From Table 10-1:

Unadjusted STA size (see 8.10.C.4) – show calculation:

Design flow (gallons per day)

LTAR (gallons/day/sq.ft.) =

$$\frac{525}{.5} = 1,050$$

Depth of STA (cannot exceed 48"):

3 Rows of Arc 36 inch chambers

each row Trenches are preferred. If bed system is selected, the selection reason must be specified:

Type of STA (check which applies):

☒ Trench ☐ Bed

FOR REPAIRS ONLY (check which applies):

☐ Wide Bed (more than 12 feet wide)
☐ Deep Gravel Trenches
☐ Seepage Pit
☐ None of the Above

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

- ☐ Gravity
☒ Pump to gravity
☐ Dispersed by siphon

Type of Distribution Media (check which applies):

- ☐ Rock
☐ Tire chips
☒ Chambers
☐ Other _____

Other type _____

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

$$525 \text{ gpd} \div .5 = 1,050 \times .7 = 735 \text{ sq ft. needed}$$

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.

Certification

Signature

Josh Yutzy

Print Name

Joshua Yutzy

Date

5/15/19

Property Address

14450 Eastonville Rd

Company Name

The Homestead Group

Address

16947 Eastonville Rd.

Phone

719-357-1665

Email

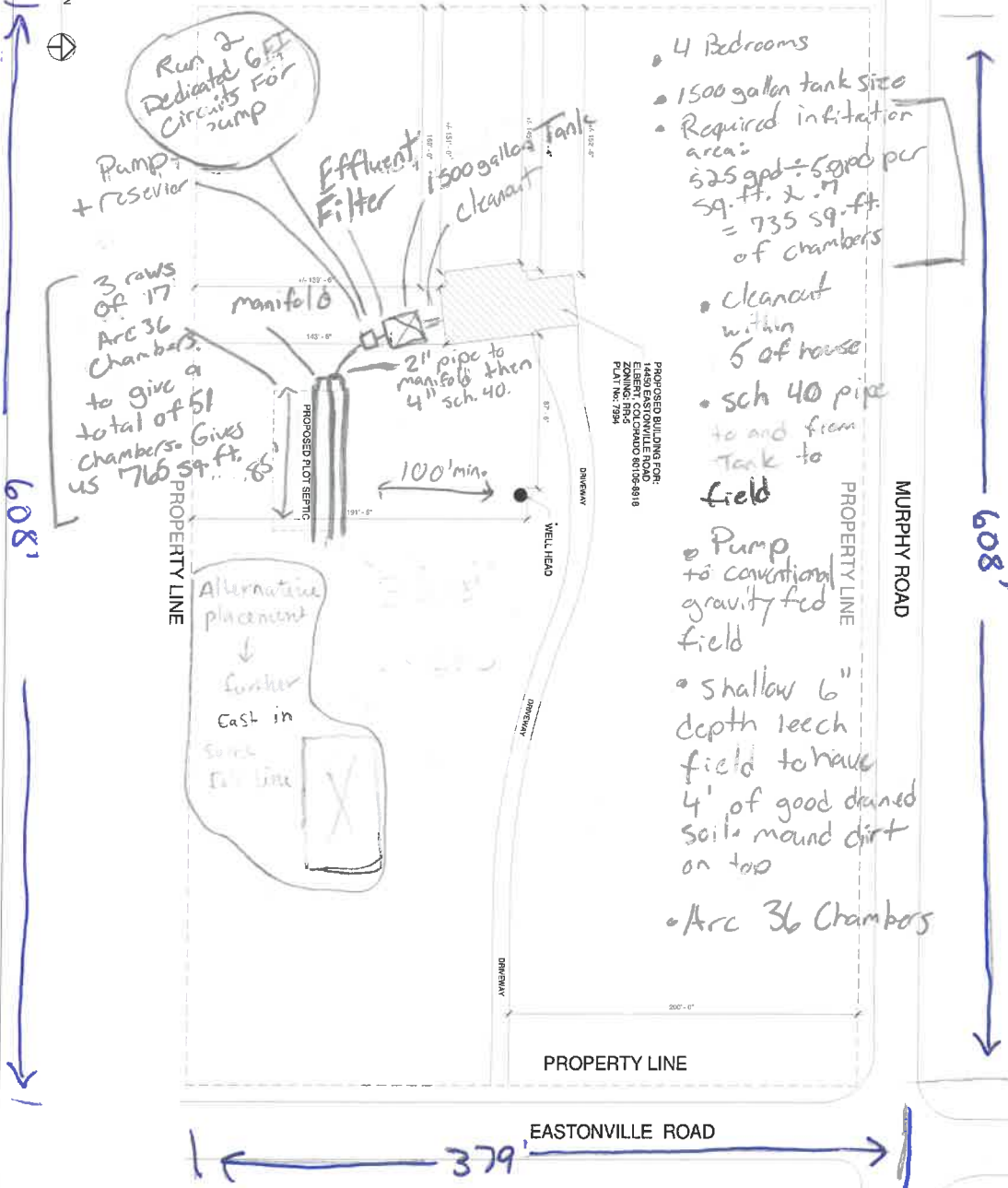
~~Joshua.Yutzy@homesteadgroup.com~~ joshua.yutzy89@gmail.com

(See attached Tables and Design Document examples)

379'

Lot #1 The Meadows At Eastonville 5.3 acres

PROPERTY LINE



- 4 Bedrooms
- 1500 gallon tank size
- Required infiltration area:
 $525 \text{ gpd} \div 5 \text{ gpd per sq. ft.} \times .7 = 735 \text{ sq. ft.}$
 of chambers
- Cleanout within 5' of house
- sch 40 pipe to and from Tank to field
- Pump to conventional gravity fed field
- shallow 6" depth leech field to have 4' of good drained soils mound dirt on top
- Arc 36 Chambers

608'

608'

EASTONVILLE ROAD

379'

BP 5/28

<p>PROPOSED SITE PLAN</p> <p>Project Number: N/A Date: 3.15.19 Drawn By: Author Checked By: Checker</p> <p>A0</p> <p>Scale: 1" = 30'-0"</p>		<p>JOSH YUTZY 14450 EASTONVILLE ROAD ELBERT, CO 80106</p>
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