



Prevent • Promote • Protect

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

ENGINEERED ON-SITE WASTEWATER TREATMENT SYSTEM FINAL INSPECTION FORM

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On-site ID: ON0049489 Tax schedule(APN) #: 5214004001 Permit Type: New ☒ Major ☐ Minor ☐
Environmental Health Specialist: Kat McGarvy Final Inspection Date: 10.18.2018 Approved: YES ☒ NO ☐

Residential Property Information:

Owner: Steve & Debra Reddecliff Address: 10515 Armonia Ranch Ct, Colorado Springs CO 80908 Approved No. Bedrooms: 4
Water supply: Municipal ☐ Well ☒ Cistern ☐ Date well installation verified: 10.18.2018 GPS of Well: 38° 59.979 N, 104° 37.732 W
Approval will be revoked if in the future any well is found to be within 50 feet of the septic tank and/or 100 feet of the soil treatment area.

Minimum System Requirements: Soil Type: 4 LTAR: 0.15 Limiting Layer: ☒ Groundwater 24-40" ☒ Bedrock 18-30"

OWTS Tank: Capacity (gallons): 1250

Soil Treatment Area (STA): Sq. Ft. (10-1): Sq. Ft. (10-2): Sq. Ft. (10-3): Sq. Ft. (with Diverter Valve): (10-2)/(2)

Mound (STA): Chamber Adjustment: Sq. Ft. (Dist. Area): Sq. Ft. (Basal Area):

NDDS (STA): Sq. Ft. (10-1): 3500 NDDS Factor: 1.5 Sq. Ft. (NDDS adjustment): 5250

Engineering:

Design Engineer: Entech Engineering Engineer design #: 71025

Date engineer record drawing/certification letter received: 10.23.2018

Final system installation:

Licensed Installer: Teir 2: ☒ Installer:

Treatment Level: 1 ☐ 1PD ☒ 2 ☐ 2N ☐ 3 ☐ 3N ☐

Operation and Maintenance Inspection: Required ☐ Not Required ☒

OWTS Tank: GPS Location: 38° 59.979 N, 104° 37.774 W

Construction Material: concrete Capacity (gallon): 1500 Existing ☐ New ☒

OWTS Pump Tank: YES ☒ NO ☐ Capacity (gallon): 1250 Audio/visual Alarm: YES ☒ NO ☐

Pump (Gal/dose): 150 gal Flow: gpm Total Dynamic Head: Elevation difference: not provided

Soil Treatment Area (STA): GPS Location: 38° 59.957 N, 104° 37.780 W Total Sq. Ft installed: 6000

Configuration: Trench ☐ Bed ☒ Distribution: Gravity ☐ Pressure Dosed ☐ NDDS ☒ Dosed ☐

☐ Rock and Pipe: Width: Total Length: Installation Depth:

Depth of Rock(under pipe): Type of cover on Rock:

☐ Chambers: Type: Sq. Ft./chamber: No. Chambers: Installation Depth(range):

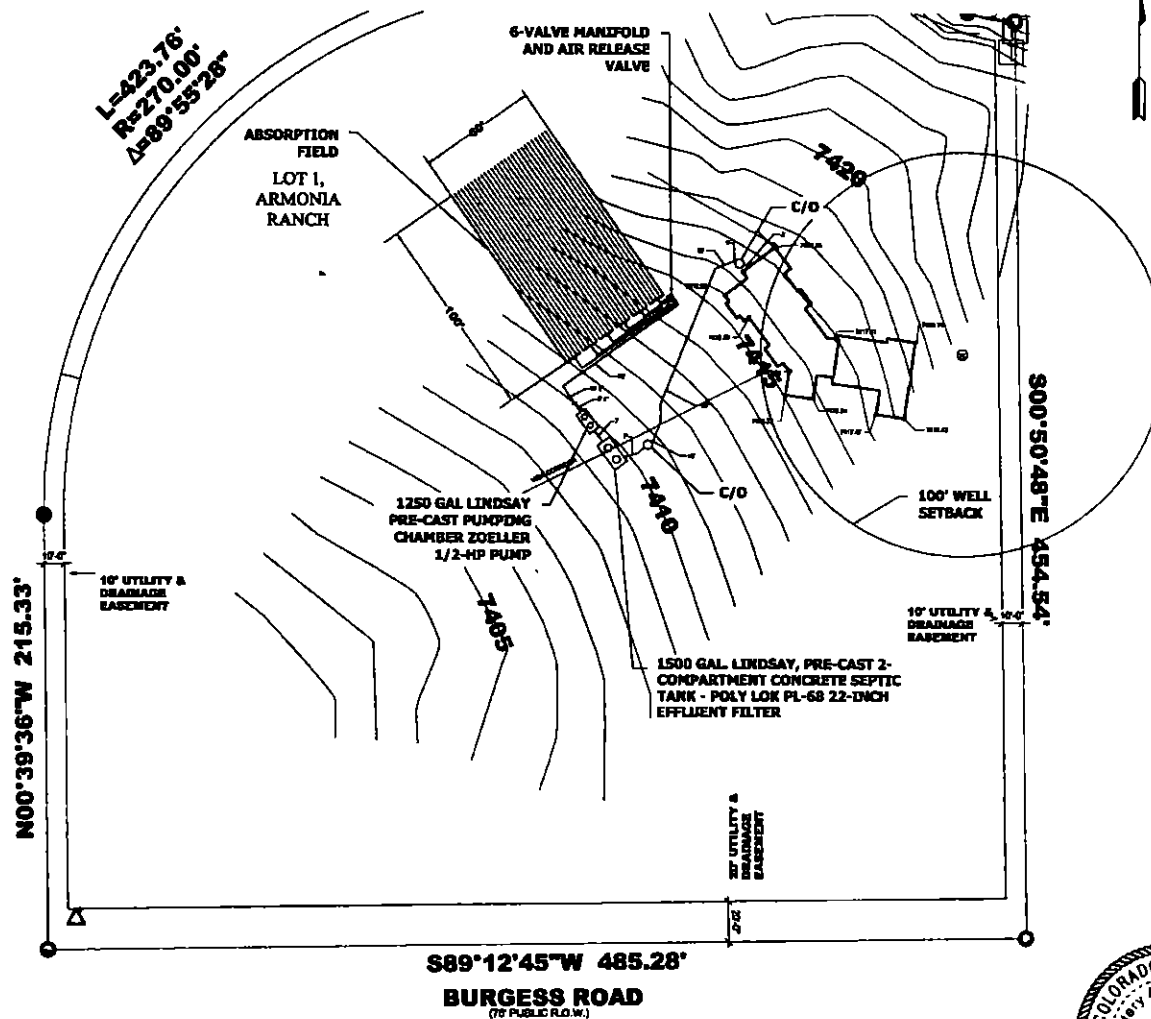
☒ NDDS: # Zones: 6 # Laterals/zone: 5 Field Dimensions: 60'x100'

☐ Seepage Pit: # Rings:

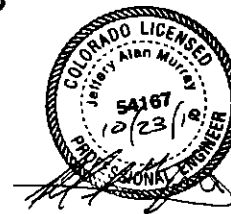
Notes:



SCALE: 1" = 60'



SITE PLAN



REVISIONS	BY

ENTECH
ENGINEERING, INC.
500 ELSTON DRIVE
EL PASO, TEXAS 79907
CITY 950-3577

ON-SITE WASTEWATER SYSTEM
AS-BUILT
10515 ARMONIA RANCH COURT
EL PASO COUNTY, COLORADO
FOR: COPPERLEAF HOMES

DESIGNED BY: J. MURLEY	DATE: 10/22/18
DRAWN BY: J. MURLEY	SCALE: 1"=60'
CHECKED BY: J. MURLEY	DATE: 12/23/18
PROJECT NO. 18-001	SHEET NO. 1

Attn: STEVE & DEBRA REDDECLIFF
10515 ARMONIA RANCH CT
COLORADO SPRINGS, CO 80908

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
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PHONE: (719) 578-3199 FAX: (719) 578-3188
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NEW SYSTEM PERMIT - OWTS

Valid From 1/19/2018 To 1/19/2019

PERMITEE :

**STEVE & DEBRA REDDECLIFF
10515 ARMONIA RANCH CT
COLORADO SPRINGS, CO 80908**

OWNER NAME :

STEVE & DEBRA REDDECLIFF

Onsite ID: ON0049489

Tax Schedule # : 5214004001

Permit Issue Date: 01/19/2018

Dwelling Type: RESIDENTIAL

of Bedrooms (if Res): 4

Proposed Use (if Comm):

Designed Gallons/Day:

Water Source: PRIVATE WELL

System Installation Requirements:

- An Engineered OWTS system to be installed on site due to encountering groundwater at 24 - 40" bedrock evidence between 18 - 30", requiring a Tier II licensed installer.
- TIER II LICENSED INSTALLER MUST BE NAMED AND VERIFIED PRIOR TO FINAL APPROVAL OF SYSTEM.
- System installation to include NDDS system. Minimum tank requirements 1250 gallon and 5250 sq ft of soil treatment area.
- The system must be installed per approved Entech Engineering design document #171025 stamped and dated 1.4.18, changes to the approved design document must be submitted and approved by both the engineer and 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. 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.

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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



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830008461 A30012675 ON0049489

APPLICATION FOR AN ON-SITE WASTEWATER TREATMENT SYSTEM PERMIT

☒ NEW PERMIT ☐ MAJOR REPAIR PERMIT ☐ MINOR REPAIR PERMIT

Owner Steve & Debra Reddecliff Daytime Phone 580-747-7381
System Installer John Jacobs Daytime Phone ads.11c9@gmail.com
Property Address 10515 Armonia Ranch City and Zip Colorado Springs, CO 80908
Legal Description Lot 1, Armonia Ranch
Owners Mailing Address 6585 Fowler Drive, Colorado Springs, CO 80923
Email Address elainajohannsen@copperleafhomes.com Fax # N/A
Tax Schedule # 5214004001 Lot Size 5 acres
Site Located Inside City Limits ☐ Yes ☒ No Primary Contact ☐ Owner ☒ Contractor
Proposed Use: ☒ Single Family ☐ Multi-Family ☐ Commercial
Water Supply: ☒ Well ☐ Cistern ☐ Municipal Number of Bedrooms 4
☐ Pick up: ☐ Fax: ☒ Email: elainajohannsen@copperleafhomes.com

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

New Permit: \$685.00 (EPCPH Charge) + \$147.00 (EPC Planning Dept. Surcharge) + \$23.00 (CDPHE Surcharge) = **\$855.00**

Major Repair Permit: \$525.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = **\$548.00**

Minor Repair Permit: \$240.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = **\$263.00**

- All Payments are due at the time of application submittal; by cash, check or major credit card (Visa / MC)
- This permit will expire one year from the date of issuance.

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: Elaina Johannsen Date: 01/05/18

Site Insp. Date: 1/8/18 LJAR ~~Pore. Rate~~ 0.15 Permit #
E.H.S. Review Notes: Bedrock 18"-30" Groundwater 24"-40"
Soil 4A - 0.15 LJAR

Date to: E.P.C. Development Services 1/17/18 Flood Plain and Enumerations 1/8/18

Permit Requirements: Engineered - Ontrach #171025 Dated 1/4/18
NDOS - 525/0.15 = 3500(1.5) = 5250 60 x 100 = 6000 sq ft
(1.5 adjustment) 62000 x 5 laterals
3-4 doses / 150 gal per day
1250 5250
Min. Septic Tank Capacity Min. Absorption Area
E.H. Specialist [Signature] Date 1/10/18 ☒ Approved ☐ Denied

Reviewed 2016 approved fee (12/30/2015)

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