



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: ON0046844  
Environmental Health Specialist: Kat McGarvy

Tax schedule(APN) #: 7103004015  
Final Inspection Date: 6.12.2019

Permit Type: Modification  
Approved: Yes

### Residential Property Information:

Owner: Lori Alejo Address: 3175 Hamal Cir, Monument CO 80132 Approved No. Bedrooms: 6  
Water supply: Well Well Installation verified: 6.12.2019 Well Location GPS: NOT WITHIN 100' OF STA  
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 (in-situ) Type: 3A LTAR (in-situ soil): 0.3 Limiting Layer: Groundwater: NONE Bedrock: 34-35"  
OWTS Tank: Capacity (gallons): 1250 OWTS Pump Tank: Capacity (gallons): 500  
Soil Treatment Area (STA): Sq. Ft. (10-1): N/A Sq. Ft. (10-2): N/A Sq. Ft. (10-3): N/A Sq. Ft. (with Diverter Valve): N/A  
NDDS (STA): Sq. Ft. (10-1): N/A NDDS Factor: N/A Sq. Ft. (NDDS adjustment): N/A  
Mound (STA): LTAR (imported soil): 0.8 Chamber adjustment: 577.5 Distribution Area: 722 Basal Area: 1925

### Engineering:

Design Engineer: GeoQuest Engineer design #: 18-0716  
Date engineer record drawing/certification letter received: 6.24.19  
Tier II Licensed Installer: Colorado Civil Construction

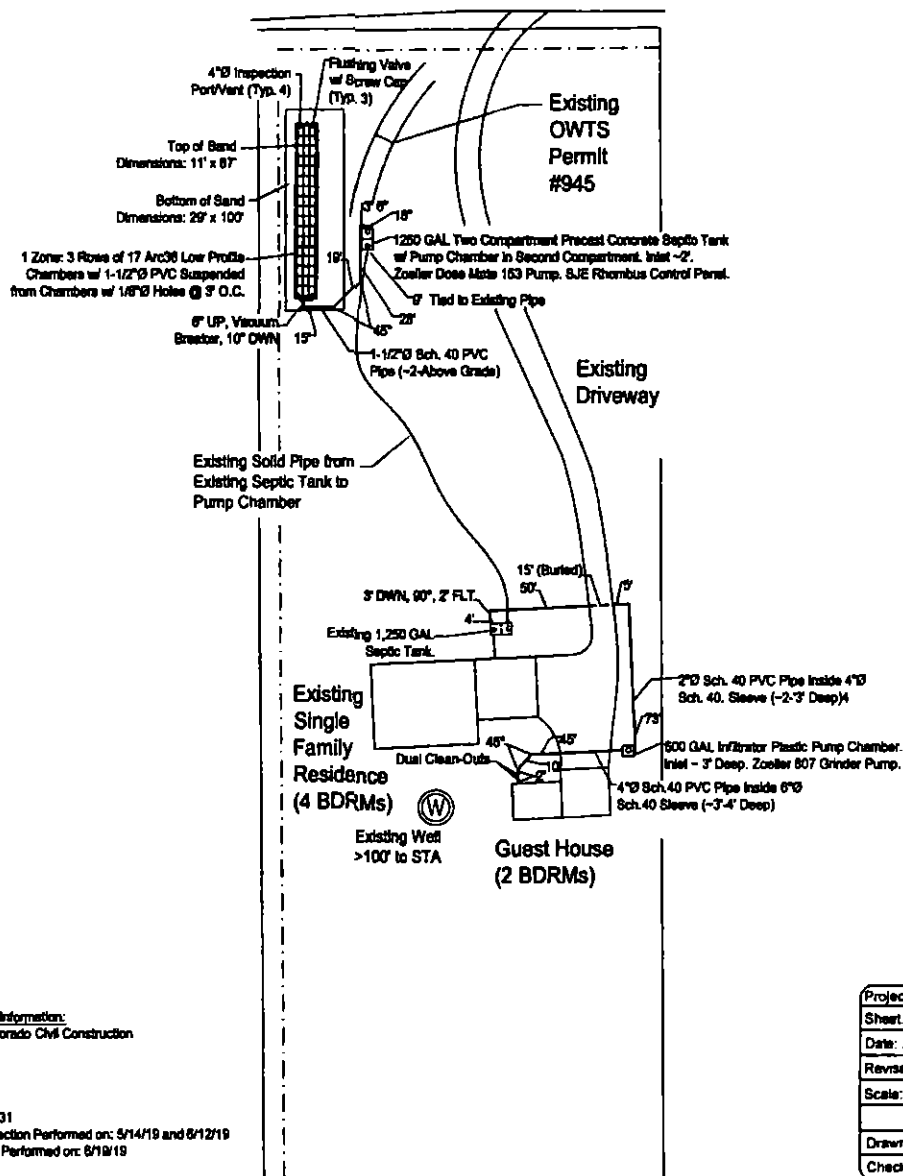
### Final system installation:

Treatment Level: 1PD  
Annual Operation and Maintenance Inspection: Required  
OWTS Tank: GPS Location: 39 07.318'N, 104 53.178'W  
Tank Type: Existing Concrete Capacity (gallon): 1250  
OWTS Pump Tank:  
Tank Type: New concrete - pump 2nd comp Capacity (gallon): 1250 Audio/Visual Alarm: Yes  
OWTS Pump: Zoller Dose Mate 153  
Gal/dose: 120 Flow(gpm): 37.2 Total Dynamic Head: 23.3  
Soil Treatment Area (STA): GPS Location: 38 59.385'N, 104 40.852' W  
Configuration: Mound Bed Distribution: Pressured Distribution  
Distribution Media: Chambers Infiltrative Surface Depth: above grade  
Distribution Area Length: 87' Distribution Area Width: 11'  
Basal Area Length: 100' Basal Area Width: 29'  
Media Type: Arc 36 Chambers (15 sq/ft) Total installed: 51 chambers Total Sq. Ft installed: 540

### Notes:

Guest house has 500 gallon tank with Zoller 807 grinder tank, tied into main 1250 tank, then moves to pump tank.

# Hamal Circle



## On-Site Wastewater Treatment System (OWTS) Record Drawing

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 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 Operation of the System in the Future. Proper Design, Construction, and Maintenance can Assist in Minimizing Uncertainties, but Cannot Entirely Eliminate Them. Homeowners 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 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.

OWTS Installer Information:  
Installed by: Colorado Civil Construction  
Contact Info:  
Mike Peterson  
(719) 749-2486  
P.O. Box 207  
Peyton, CO 80631  
Installation Inspection Performed on: 5/14/19 and 6/12/19  
Final Inspection Performed on: 6/19/19

Project: 18-0718  
Sheet: 1 of 1  
Date: 20 June 2019  
Revised:  
Scale: 1\" = 60 FT  
Drawn by: rah  
Checked by: cam

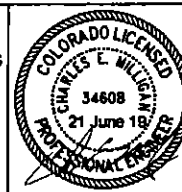
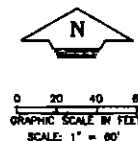
### Project Name and Address

Lori Alejo  
3175 Hamal Circle  
Tract 59A and Tract 59, Filing 2  
Colorado Estates Subdivision  
Sch. No. 7103004015  
El Paso County, Colorado

### GEOQUEST, LLC.

6825 SILVER PONDS HEIGHTS  
SUITE 101  
COLORADO SPRINGS, CO  
80908

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



Attn: LORI ALEJO  
3175 HAMAL CIR  
MONUMENT, CO 80132

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.



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ENVIRONMENTAL HEALTH DIVISION**  
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COLORADO SPRINGS, CO 80907  
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[www.elpasocountyhealth.org](http://www.elpasocountyhealth.org)

## MODIFICATION PERMIT - OWTS

Valid From 1/24/2019 To 1/24/2020

PERMITEE :

LORI ALEJO  
3175 HAMAL CIR  
MONUMENT, CO 80132

OWNER NAME :

LORI ALEJO

Onsite ID: ON0046844

Tax Schedule # : 7103004015

Permit Issue Date: 01/24/2019

Dwelling Type: RESIDENTIAL

# of Bedrooms (if Res): 6

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 bedrock between 34-35", requiring a Tier II licensed installer.
- System installation to include pressure dosed chamber in mounded bed, max installation depth of 2" above grade due to bedrock evidence. Minimum tank requirements 1250 gallon, 500 gallon pump tank (plan 1250 gallon with pump in 2nd chamber) and 722 sq ft of soil treatment area (61 Q4 / 49 Arc 36 chambers required).
- The system must be installed per approved GeoQuest design document #18-0716 stamped and dated 12.4.2018, 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.
- Installation of an OWTS system with higher level treatment now requires an annual Operation and Maintenance inspection. See EPCPH OWTS regulations for more details.

Attn: LORI ALEJO  
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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.**

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Authorized By: Environmental Health Specialist



Public Health

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33001903 AR0014920 ON0046844

**APPLICATION FOR AN ON-SITE WASTEWATER TREATMENT SYSTEM PERMIT****Property Information:**Property Address: 3175 HAMAL CIR City and Zip: MONUMENT 80132Legal Description: TR 59 A COLO 6579563 SUB 3 AND TR 59 SUB 2Tax Schedule #: 7103004015 Lot size: 2.66 ACRESIs the property gated: ☐ Yes ☒ No Please provide a gate code if necessary: N/ASite Located Inside City Limits: ☐ Yes ☒ No Proposed Use: ☒ Residential ☐ CommercialWater Supply: ☒ Well ☐ Cistern ☐ Municipal Potential Number of Bedrooms: 6Has a Conditional Acceptance Document been issued for this property: ☐ Yes ☐ No ☒ Unsure**Owner Information:** ☒ Primary ContactOwner: LORI ALEJO Daytime Phone: 719-210-6600Owners Mailing Address: 3175 HAMAL CIREmail Address: lorialejo@hotmail.com Fax #: General Contractor: ELEVATION HOMES Phone/Email: 719-491-5779 *lat222@gmail.com***OWTS Installer Information:** ☐ Primary ContactSystem Installer: COLORADO CIVIL CONSTRUCTION Daytime Phone: 303-817-0130Email Address: MIKE@COCIVILCO.COM Licensed installer: ☒ Tier 1 ☐ Tier 2All 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.**

INSTALLING NEW SEPTIC SYSTEM FOR EXISTING HOUSE  
AND NEW GUEST HOUSE

**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: [Signature] Date: 1/11/19*Kat*

- 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.

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

Permit #: \_\_\_\_\_ Site Inspection date: 11/15/19

Date Approvals Rcvd: Development Services: NA Floodplain/enumerations: NA

Design: ☐ Conventional ☒ Engineer Design Engineer: Geo. D. ...

Engineer Job #: 18-0716 Engineer Date Stamped: Dec 4 18

LTAR/Soil Type: 3A 0.3 Groundwater: NONE PP1/NONE PP2 Bedrock: 35" PP1/ 34" PP2

Minimum Requirements: Tank Capacity: 1250 existing Soil Treatment Area: 762

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

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

Pump specs: Tank capacity: 1250 gal Gal/dose: 120 Flow: 372 gpm Total Dynamic Head: 23.3'

Additional Comments: 825 (4 bed house) + 300 (2 bed guest house) = 825  
825 / (0.8 x 0.3) = 577.5  
577.5 / 0.8 = 721.8 (161' x 49' Arc 30) 577.5 / 0.3 = 1925 (140' x 24')

E.H. Specialist: [Signature] Date: 1/22/19 ☒ Approved ☐ Denied