Permit # 24-53116

LINCOLN COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH
WASTEWATER TREATMENT AND DISPOSAL SYSTEM PERMIT

Issue Date: 01/25/2024 Expiration Date: 01/24/2025

Property Owner: Phil and Lisa Nye

Mailing Address: [redacted]

Installer: Homeowner License #:

Approved Work: (Check One) ☒ New Installation ☐ Existing System

☐ Replace Drainfield ☐ Replace Tank ☐ Extension

Describe: Installation of new gravity septic system #3 of 3.

Parcel Description:

Legal: GLEN VIEW ESTATES, S23, T36 N, R26 W, LOT 01A, ACRES 30.01, PM 6635

Property Address: 637 Glen Creek Lane Eureka, MT 59917 Assessment Code: 53116

DEQ COSA: E.Q.# Date:

Approved Design Criteria: Installation of gravity septic system with 3 laterals @ 88' with reduction for chambers.

# of Bedrooms: 3+RV port Septic Tank Size: 1500 gallons Trench Width: 24"

# of Laterals: 3 Length of Laterals: 88' Trench Depth: 24"-36"

SYSTEM MUST INCLUDE INSTALLATION OF EFFLUENT FILTER AT SEPTIC TANK OUTLET!!

Special Instructions: Install system according to the COSA, lot layout, the Lincoln County Wastewater Treatment and Disposal Regulation, and Circular DEQ-4. Reduction given for chambers. It is the installer's responsibility to ensure that all required horizontal setbacks are met. CHANGES MUST BE PRE-AUTHORIZED BY THE DEPARTMENT.

Issued By: *Robin Blumberg, RS*

NOTICE: The Department must be notified at least 3 business days (72 hours) prior to backfilling the system. Call 406-283-2442. Any system not inspected by the Department or its designated representative prior to closure is an illegal installation in violation of Lincoln County Health Board Regulation Ch. 3. Illegal installations may result in fines and/or requirements to remove or reconstruct the system.

Closure Statement:

This system is in compliance with the approved design criteria and Lincoln County's Wastewater Treatment and Disposal Regulation.

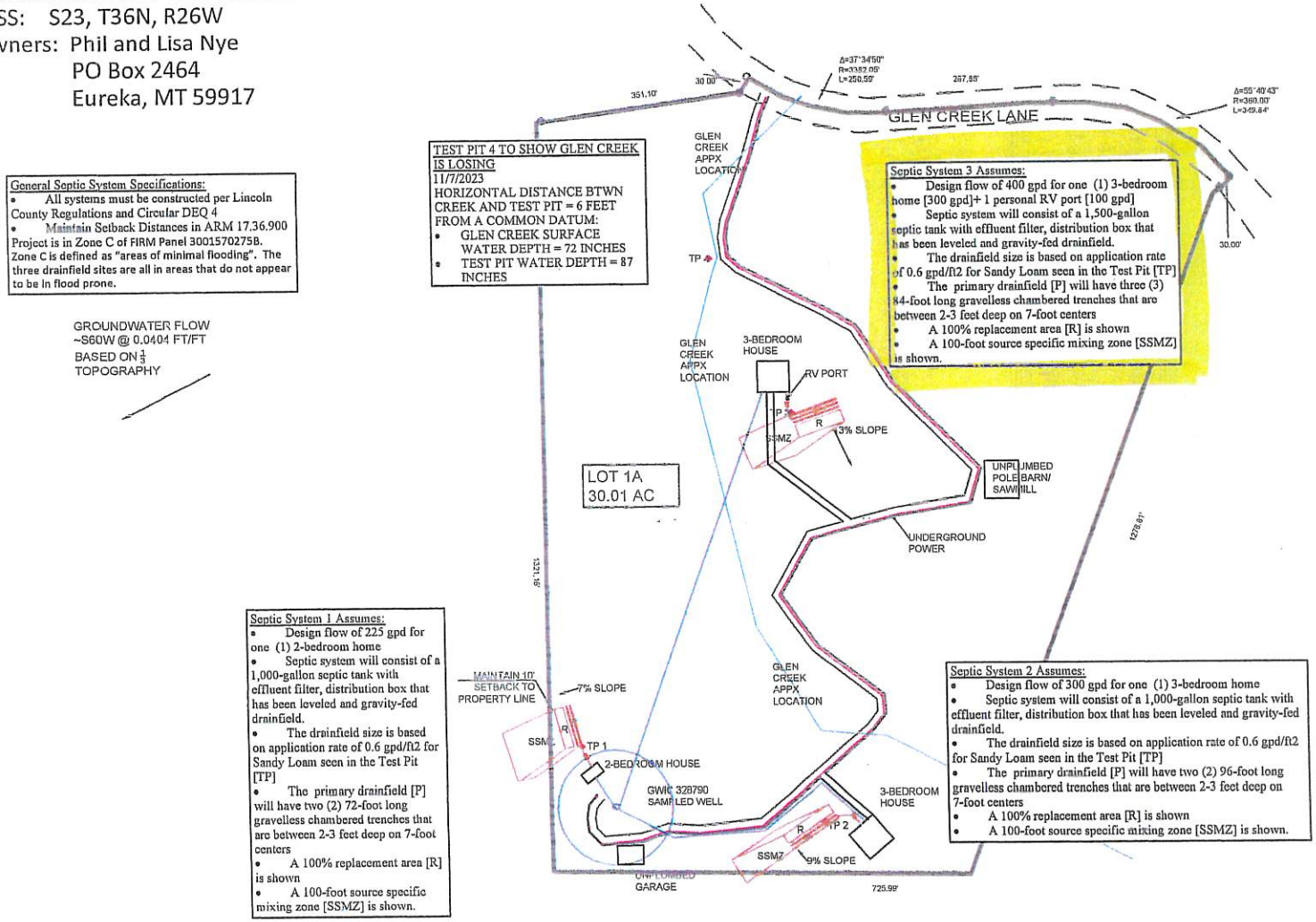
Signed: _____ *Date:* _____

_____ Lincoln County Health Department (LCHD) _____ Licensed Installer w/ approval of LCHD

This permit is not finalized until the system is inspected and the closure statement is signed.

This permit is not a guarantee that the system will function properly for a prescribed period of time.

637 Glen Creek Lane, Eureka, MT 59917
Geocode: 56-4824-23-2-02-30-0000
Assessment Code: 0000053116
PLSS: S23, T36N, R26W
Owners: Phil and Lisa Nye
PO Box 2464
Eureka, MT 59917



General Septic System Specifications:
- All systems must be constructed per Lincoln County Regulations and Circular DEQ 4
- Maintain Setback Distances in ARM 17.36.900

Project is in Zone C of FIRM Panel 30015702758. Zone C is defined as "areas of minimal flooding". The three drainfield sites are all in areas that do not appear to be in flood prone.

GROUNDWATER FLOW ~S60W @ 0.0404 FT/FT BASED ON TOPOGRAPHY

TEST PIT 4 TO SHOW GLEN CREEK IS LOSING
11/7/2023
HORIZONTAL DISTANCE BTWN CREEK AND TEST PIT = 6 FEET
FROM A COMMON DATUM:
- GLEN CREEK SURFACE WATER DEPTH = 72 INCHES
- TEST PIT WATER DEPTH = 87 INCHES

Septic System 3 Assumes:
- Design flow of 400 gpd for one (1) 3-bedroom home [300 gpd]+ 1 personal RV port [100 gpd]
- Septic system will consist of a 1,500-gallon septic tank with effluent filter, distribution box that has been leveled and gravity-fed drainfield.
- The drainfield size is based on application rate of 0.6 gpd/ft2 for Sandy Loam seen in the Test Pit [TP]
- The primary drainfield [P] will have three (3) 84-foot long gravelless chambered trenches that are between 2-3 feet deep on 7-foot centers
- A 100% replacement area [R] is shown
- A 100-foot source specific mixing zone [SSMZ] is shown.

Septic System 1 Assumes:
- Design flow of 225 gpd for one (1) 2-bedroom home
- Septic system will consist of a 1,000-gallon septic tank with effluent filter, distribution box that has been leveled and gravity-fed drainfield.
- The drainfield size is based on application rate of 0.6 gpd/ft2 for Sandy Loam seen in the Test Pit [TP]
- The primary drainfield [P] will have two (2) 72-foot long gravelless chambered trenches that are between 2-3 feet deep on 7-foot centers
- A 100% replacement area [R] is shown
- A 100-foot source specific mixing zone [SSMZ] is shown.

Septic System 2 Assumes:
- Design flow of 300 gpd for one (1) 3-bedroom home
- Septic system will consist of a 1,000-gallon septic tank with effluent filter, distribution box that has been leveled and gravity-fed drainfield.
- The drainfield size is based on application rate of 0.6 gpd/ft2 for Sandy Loam seen in the Test Pit [TP]
- The primary drainfield [P] will have two (2) 96-foot long gravelless chambered trenches that are between 2-3 feet deep on 7-foot centers
- A 100% replacement area [R] is shown
- A 100-foot source specific mixing zone [SSMZ] is shown.

B. Kingery
RBK Consulting, LLC
PO Box 1792
Helena, MT 59624
406-417-1281

RBK CONSULTING

300 0 300
scale feet

AP Glen Creek Lots and Glen View Estates, Lot 1A

Lot Layout

FIGURE NO. 1