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

Issue Date: 05/30/2025 Expiration Date: 05/29/2026 Permit#25-54748

Property Owner: Serge Shirshov

Mailing Address: [redacted]

Installer: Dallas Pluid License #: 216

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

☐ Replace Drainfield ☐ Replace Tank ☐ Extension

Describe: Installation of new gravity system for One 2 Bedroom House and One 4 Bedroom House.

Legal: QUICKSILVER 2, S05, T36 N, R27 W, LOT 2, ACRES 20, PM6715

Property Address: 312 Douglas Hill Rd., Eureka, MT 59917 Assessment Code: 54748

DEQ COSA: E.Q.# Date:

Approved Design Criteria: Installation of new gravity system for One 2 Bedroom House and One 4 Bedroom House with 5 Laterals @ 100' with reduction for chambers.

# of Bedrooms: 2 Bedroom +4 Bedroom 575 GPD Septic Tank Size: 2000 Trench Width: 24"

# of Laterals: 5 Length of Laterals: 100' Trench Depth: 24"-36"

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

Special Instructions: Install system according to the lot layout, the Lincoln County Wastewater Treatment and Disposal Regulation, Circular DEQ-4, and COSA(If Applies). 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.

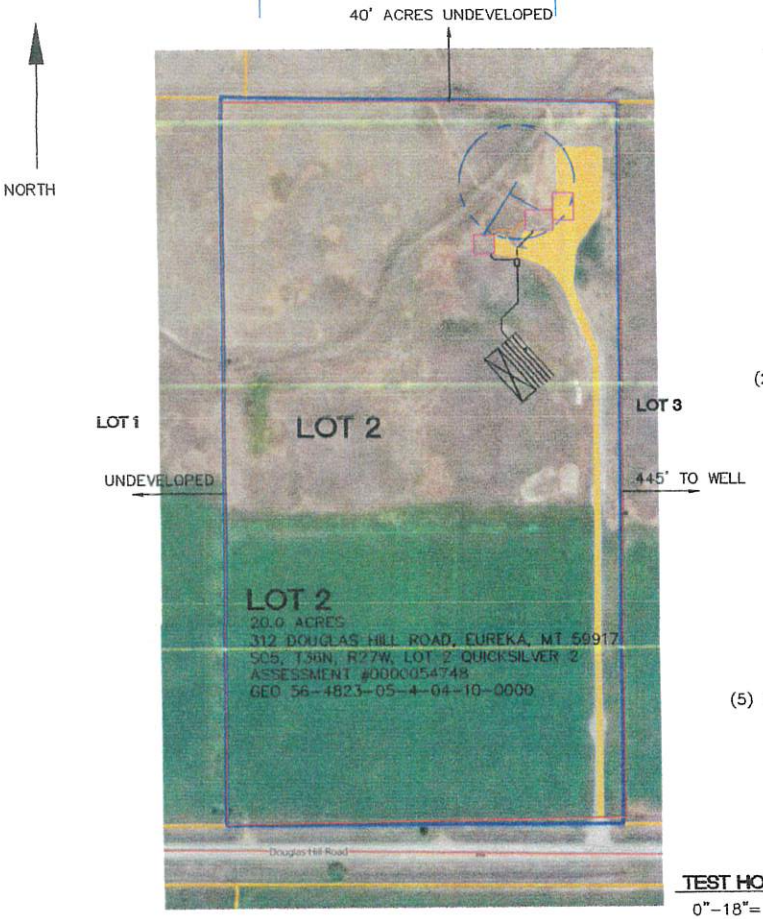
Closure Statement:

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

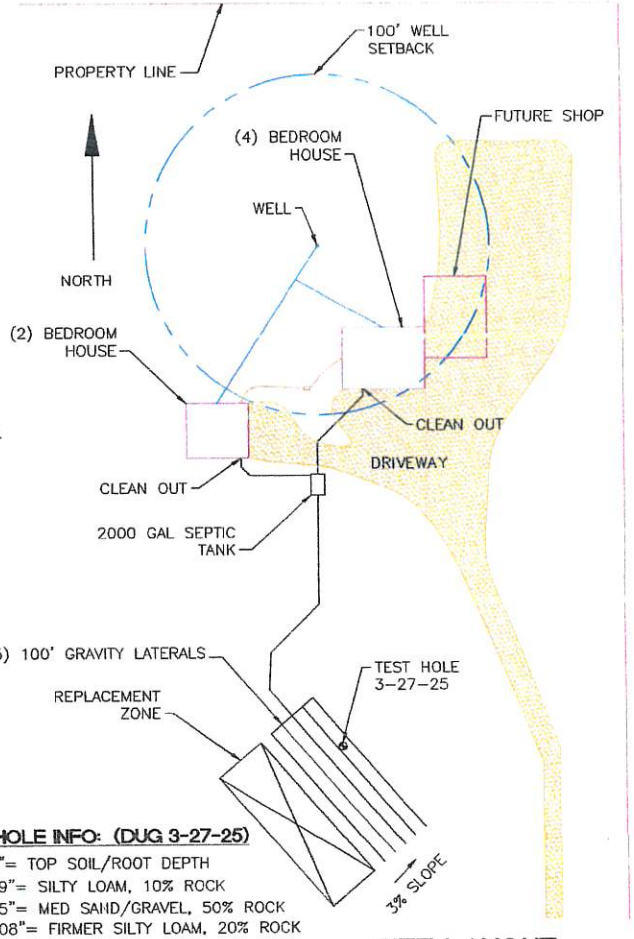
Signed: Robin Blumberg *Date:* 7/2/25

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.



SERGE SHIRSHOV SITE LAYOUT



SITE LAYOUT

TEST HOLE INFO: (DUG 3-27-25)

0"–18"= TOP SOIL/ROOT DEPTH
18"–39"= SILTY LOAM, 10% ROCK
39"–55"= MED SAND/GRAVEL, 50% ROCK
55"–108"= FIRMER SILTY LOAM, 20% ROCK

TEST HOLE WAS EASY TO DIG TO THE 55" DEPTH
THE BAND OF SAND/GRAVEL IN MIDDLE WAS LOOSE.
39" TO 55" LEVEL WOULD BE CONSIDERED A 0.8 APP RATE
0.5 APP RATE WAS DETERMINED.

DRAINFIELD SIZING

(2) BEDROOM= 225 GPD
(4) BEDROOM= 350 GPD
575 GPD/0.5 APP= 1150 SQFT
1150 SQ FT/2' CHAMBERS= 575 LF
REDUCTION FOR 0.5 APP= 15%
575' X 0.85= (5)–100' LATERALS



SPOILS PILE



SOIL PROFILE HOLE



SOIL @ 54" LEVEL



9' DEEP HOLE

REV	DATE	COMPANY	SCALE	MONTANA DESIGN SERVICES, INC. SHIRSHOV SEPTIC
		MDS	1/16 = 1'-0"	SITE LAYOUT
		CONTRACT: VERBAL	DATE: 3/2025	DWG REVISIONS: 3/28/25
		PLOT FILE: PLE-0001	WEIGHT: ----	FINISH: 404-001

THIS DRAWING IS PROPERTY OF MDS UNTIL CONTRACT HAS BEEN SIGNED BETWEEN OWNER & MDS. IT CAN NOT BE SUBMITTED TO ANY OTHER PARTIES WITHOUT WRITTEN APPROVAL FROM MDS MANAGEMENT