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

Issue Date: 07/09/2026 Expiration Date: 07/08/2027 Permit# 26-12056

Property Owner: Timothy Denio

Mailing Address: [redacted]

Installer: Gavyn Helgert License #: 214

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

☐ Replace Drainfield ☐ Replace Tank ☐ Extension

Describe: Installation of pressure dosed system for 3 (1) Bedroom Cabins 450 gpd total.

Parcel Description:

Legal: S23, T35 N, R26 W, COS 3614, PARCEL B, ACRES 22.61

Property Address: 82 Badger Trail., Eureka, MT 59917 Assessment Code: 12056

DEQ COSA: EQ# Date:

Approved Design Criteria: Installation of pressure dosed system for 3 (1) Bedroom Cabins 450 gpd total with 4 Laterals @ 84' with reduction for chambers.

# of Bedrooms: 3 (1) Bed Cabins Septic Tank Size: 1500/500 Trench Width: 36"

# of Laterals: 4 Length of Laterals: 84' 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, R.S.

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:* 7/31/26

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.

DOSE VOLUME CHECK

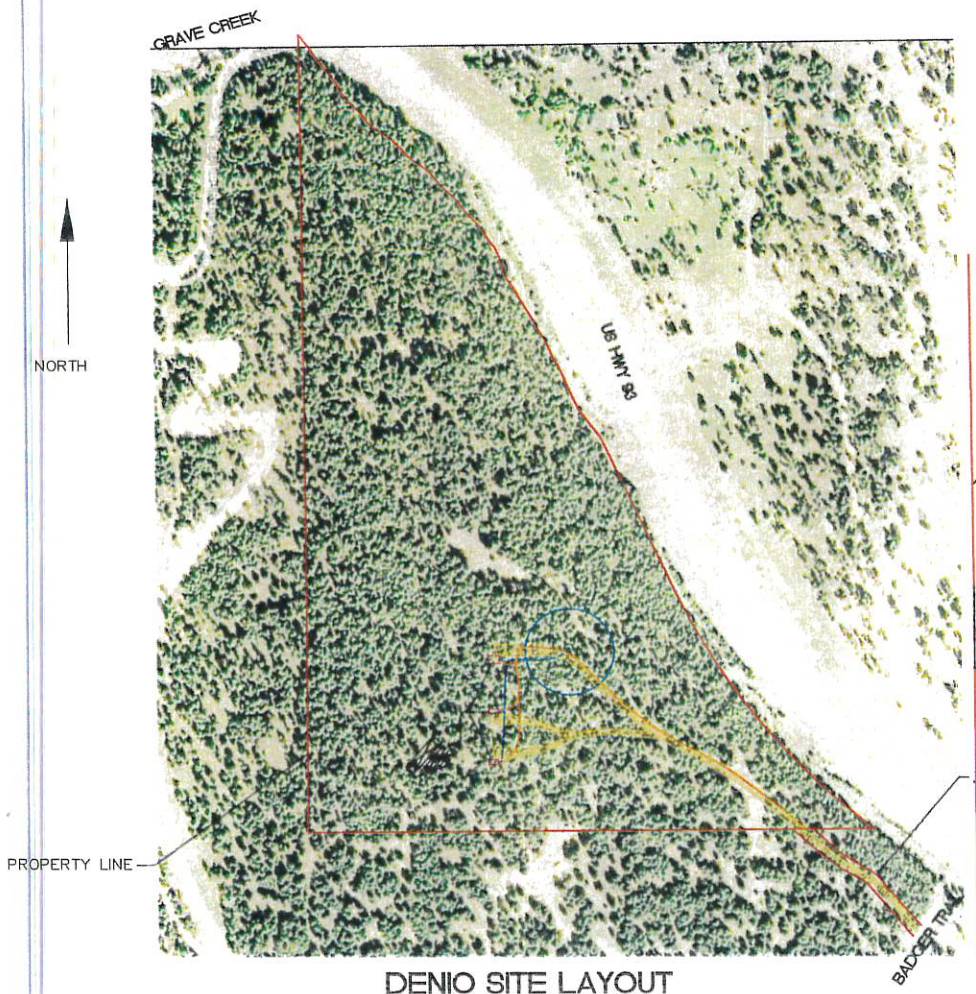
LENGTH OF 2" PIPE= 150FT
LENGTH OF 1-1/2" PIPE= 338FT
150FT X 0.1632 GAL/FT= 24.5 GAL
338FT X 0.0918 GAL/FT= 30.8 GAL
TOTAL DISTRIBUTION LINE= 55.3 GAL
DEQ CIRC #4= 5 TO 10 TIMES VOLUME
55.3 GAL X 5= 276 GAL DOSE
DISTANCE BETWEEN FLOATS= 27.5"
IN A 1500 GAL DOSE CHAMBER= 275 GAL

DRAINFIELD SIZING

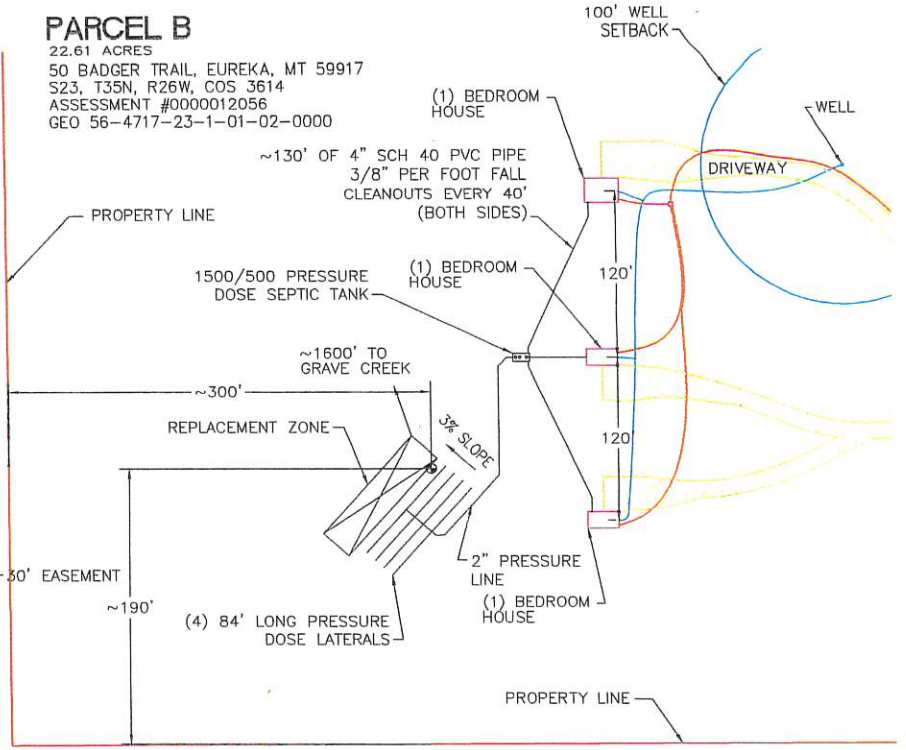
(1) BEDROOM= 150 GPD
(1) BEDROOM= 150 GPD
(1) BEDROOM= 150 GPD
450 GPD/0.4 APP= 1125 SQFT
1125 SQ FT/3' CHAMBERS= 375 LF
REDUCTION FOR 0.4 APP= 10%
375' X 0.90= 338 LF
338 LF= (4) 84' LATERALS

PARCEL B

22.61 ACRES
50 BADGER TRAIL, EUREKA, MT 59917
S23, T35N, R26W, COS 3614
ASSESSMENT #0000012056
GEO 56-4717-23-1-01-02-0000



DENIO SITE LAYOUT



DENIO SYSTEM LAYOUT

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

REV	DATE	COMPANY	SCALE	MONTANA DESIGN SERVICES, INC.
		MDS	1/16 = 1'-0"	DENIO SEPTIC
		CONTRACT	DATE:	SITE LAYOUT
		VERBAL	5/2023	SCHEMATIC DESIGN 6/11/23
		PLOT FILE:	WEIGHT:	G. HELGERT 6/11/23
		PWL-0001	---	532-001 1

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