



LAKE COUNTY ENVIRONMENTAL HEALTH

106 FOURTH AVENUE EAST

POLSON, MT 59860-2175

PH: 406-883-7236 FAX: 406-883-7205

Email: envhealth@lakemt.gov

WASTEWATER TREATMENT SYSTEM FINAL INSPECTION & USE PERMIT

Lake County Environmental Health (LCEH) hereby approves the Wastewater Use Permit # 9070 for the following:

OWNER: <u>GLEN + CYNTHIA FROELICH</u>	
MAILING ADDRESS: <u>43171 BETTE LAKE TRAIL</u>	
CITY: <u>POLSON</u>	STATE: <u>MT</u> ZIP: <u>59860</u>
LEGAL DESCRIPTION: SECTION <u>11</u> , T <u>23</u> N, R <u>21</u> W	
SUBDIVISION/COS: <u>BETTE LAKE SUBDIVISION</u>	LOT/TRACT#: <u>43</u>
GEOCODE: <u>15-3349-11-3-01-01-0000</u>	PARCEL SIZE: <u>5.33ac</u>
PHYSICAL ADDRESS: <u>43171 BETTE LAKE TRAIL</u>	
SYSTEM DESIGN: TYPE: <u>CHAMBER TRENCHES</u>	
COMMUNITY SYSTEM: YES / <u>NO</u>	GPD: <u>300</u> BEDROOMS: <u>3</u>
DRAINFIELD LAYOUT: <u>4-50' 1 1/4" SCH 40 CHAMBERED LATERALS</u>	PUMP: <u>LIBERTY 281-2 (1/2 HP)</u>
SQUIRT HEIGHT: <u>8'</u>	SEPTIC TANK: <u>1,500 COMBO</u>
SEPTIC TANK: GPS-NS <u>47.761873</u>	/ GPS-EW <u>114.261518</u>
DF MANIFOLD: GPS-NS <u>47.761968</u>	/ GPS-EW <u>114.261386</u>
WELL: GPS-NS <u>COMMUNITY</u>	/ GPS-EW <u>COMMUNITY</u>

INSTALLER SIGNATURE: [Signature] DATE: April, 29, 2021

PRINTED NAME: Brad Ivanhoff for Ed Ivanhoff

I hereby certify the above system was installed in accordance with all applicable regulations and specifications.

DESIGNER SIGNATURE: [Signature] DATE: 5-10-21

I, or a representative, hereby certify the above system was installed by design and in accordance with all applicable regulations and specifications. An As-Built design will be provided within 30 days of installation per SECTION 3.6 (1) of the Lake County Wastewater Treatment System Regulations.

LCEH SIGNATURE: [Signature] DATE: May 10, 2021

It is the property owner's responsibility to ensure the system is properly maintained and functioning within the guidelines set forth in the Lake County Wastewater Treatment System Regulations and the Montana Circular DEQ 4.

Any alteration of the wastewater treatment system not approved by Lake County Environmental Health Department invalidates this Use Permit. Any change in wastewater flow or strength from the design of this wastewater treatment system requires a Change of Use permit be issued. Examples include, but are not limited to: addition of a bedroom(s), altering a residential use, altering commercial or industrial use, replacement of structures, addition of a water treatment unit or a water fixture.

Minor repairs to the system will be allowed without an additional permit. These repairs are limited to: replacing a broken sewer line, pumping the septic tank (recommended every 3-5 years), cleaning the effluent filter (recommended annually) and replacing the effluent pump with a pump of equal specifications. Any other repairs require an approved Installation Permit from Lake County Environmental Health Department.

For more information please contact the Lake County Environmental Health Department.

See attached As-Built for design specifications.

Todd Environmental Consulting, LLC

104 Orchard Park Lane
Polson, Montana 59860

Phone: 406-314-1888
Email: jilltodd@centurytel.net

May 7, 2021

Lake County Environmental Health
106 Fourth Avenue East
Polson, MT 59860-2175

MAY - 7 2021

RE: As-Built for Septic System: Permit #9070: Lot 43 Jette Lake, 43171 Jette Lake Trail (owner Froehlich)

Lake County Environmental Health:

Enclosed is the As-Built Drawing for the septic system installed at the above referenced property. The system was installed by Ed Ivanoff and inspected by TEC and Lake County Environmental Health on April 28 and April 29, 2021. The system consists of a new 1,500 gallon combination septic tank/pump chamber with effluent filter and ½ HP Liberty effluent pump, and a drainfield with 4, 3' wide x 50' long trenches with pressure-distribution trenches installed in infiltrator chambers. The pump test yielded approx. 8' squirt height. The contractor is responsible for ensuring that the alarm panel is wired by a licensed electrician and mounted in a visible location near the house or tank.

The trenches were to be backfilled, provided with a topsoil cover, and graded to drain surface water off. The drainfield should be seeded with grass to help facilitate evaporation and proper system functioning. It must be protected from traffic and parking.

If you have any questions, please contact me.

Sincerely,



Jill Todd, M.S., R.S.

Lot 43
5.33 acres

MAY - 7 2021

2" diam. Sch. 40 PVC effluent line from
tank to manifold, distances as shown

1,500 gal. septic tank/pump chamber
with Liberty $\frac{1}{2}$ HP effluent pump (see
design sheet 3:4 for details).

17'4" of 4" Sch. 40 PVC sewer line from house

1' to manifold

> 10 ft. to
property line

28' to 45'

9'1" to 45'

Existing house

Drainfield with 4, 3' wide x 50' long
trenches with infiltrator chambers
(7 ft. on center) and 100%
replacement area (see design
sheet 2:4 for details).

Jette Lake Trail

North

Trail's End

Approx. location
existing well

As-Built for septic system by TEC based on
inspection and measurements with Lake County
Environmental Health on April 28 and 29, 2021.

Todd Environmental Consulting, LLC

Please refer to septic system design sheets for detailed system specifications

As-Built for Septic System: Lot 43 Jette Lake Subdivision,
43171 Jette Lake Trail

SHEET
1:1

SCALE 1" = 60 ft.

Owner: Froehlich

As-Built Date: May 7, 2021