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

Issue Date: 10/12/2023 Expiration Date: 10/11/2024

Property Owner: Flathead Electric Coop.

Mailing Address: [redacted]

Telephone: E-mail:

Installer: Jessica Svendsbye. License #: 192

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

☐ Replace Drainfield ☐ Replace Tank ☐ Extension

Describe: Installation of shallow, pressurized wastewater system.

Parcel Description:

Legal: S34, T31 N, R31 W, TR 3C & 3A10 STATE ALLOCATIONS

Property Address: Assessment Code: 9915

DEQ COSA: EQ#24-1322 Date: 09/21/2023

Approved Design Criteria: Installation of shallow, pressurized wastewater system w/ all the design specifications of DEQ Circular 4 sec 6.2 and sec 4.2.3.3.

# of Bedrooms: Commercial (169 gpd). Septic Tank Size: 1000/500 Trench Width: 36"

# of Laterals: 3 Length of Laterals: 48' 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. 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, S97

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:* 5/22/24

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

DISCLAIMER

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

LOT LAYOUT

FEC LIBBY LINE BAY EXPANSION

TRACT 3C & 3A10 STATE ALLOCATIONS
W 1/2 SE 1/4 S. 34, T 31N, R 31W,
LINCOLN COUNTY, MONTANA

PREPARED BY:
JACKOLA ENGINEERING & ARCHITECTURE, P.C.
2250 HYW 93 SOUTH
P.O. BOX 1134
KALISPELL, MT 59903
406-755-3208

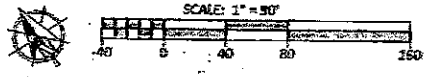
PREPARED FOR:
OWNERS:
FRANCISCO CARBAJAL
FLATHEAD ELECTRIC COOPERATIVE
2510 US HWY 2 E
KALISPELL, MT 59901

DATE: 2-12-2021
REVISED: 7-15-2022

GENERAL NOTES:

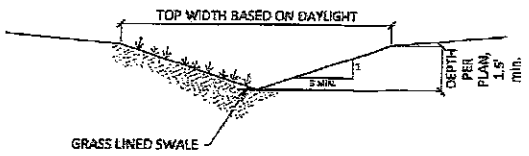
1. NO KNOWN DRAINFIELDS OR WELLS WITH IN 100' OF PROPERTY LINE
2. NO DRAINAGE WAYS WITHIN 100' OF PROPERTY
3. FLOODPLAINS ARE NOT PRESENT ON OR NEAR THE SITE
4. SLOPES DO NOT EXCEED 25%
5. STORMWATER PONDS AND INFRASTRUCTURE DESIGNED PER CURRENT VERSION OF MONTANA DEQ CIRCULAR-8.

DRAINFIELD SIZING - LOT X
FLOW RATE (13 EMPLOYEES @ 13 GPD) = 169 GPD (use 170)
DEQ APPLICATION RATE = 0.4 gpd/ft²
TRENCH AREA = 270/0.4 = 425 ft²
LPD = 425/3 = 141.7 ft
PROPOSED = (3) 48 laterals, 7 ft. centers, 3 ft. max trench depth

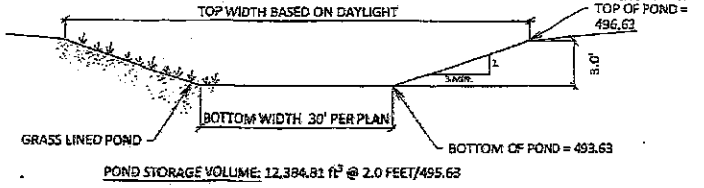


LEGEND:

- FLOW ARROW FOR PROPOSED GRADING
- TEST HOLE
- POND OUTLET STRUCTURE
- STORM DRAIN DRYWELL
- STORM DRAIN OUTLET
- STORM DRAIN SWALE
- DRAINFIELD SITE
- REPLACEMENT AREA
- MIXING ZONE
- WELL SITE w/ 200' ISOLATION ZONE
- 200-YEAR FLOODPLAIN AREA
- AREA OF 25% SLOPE OR GREATER

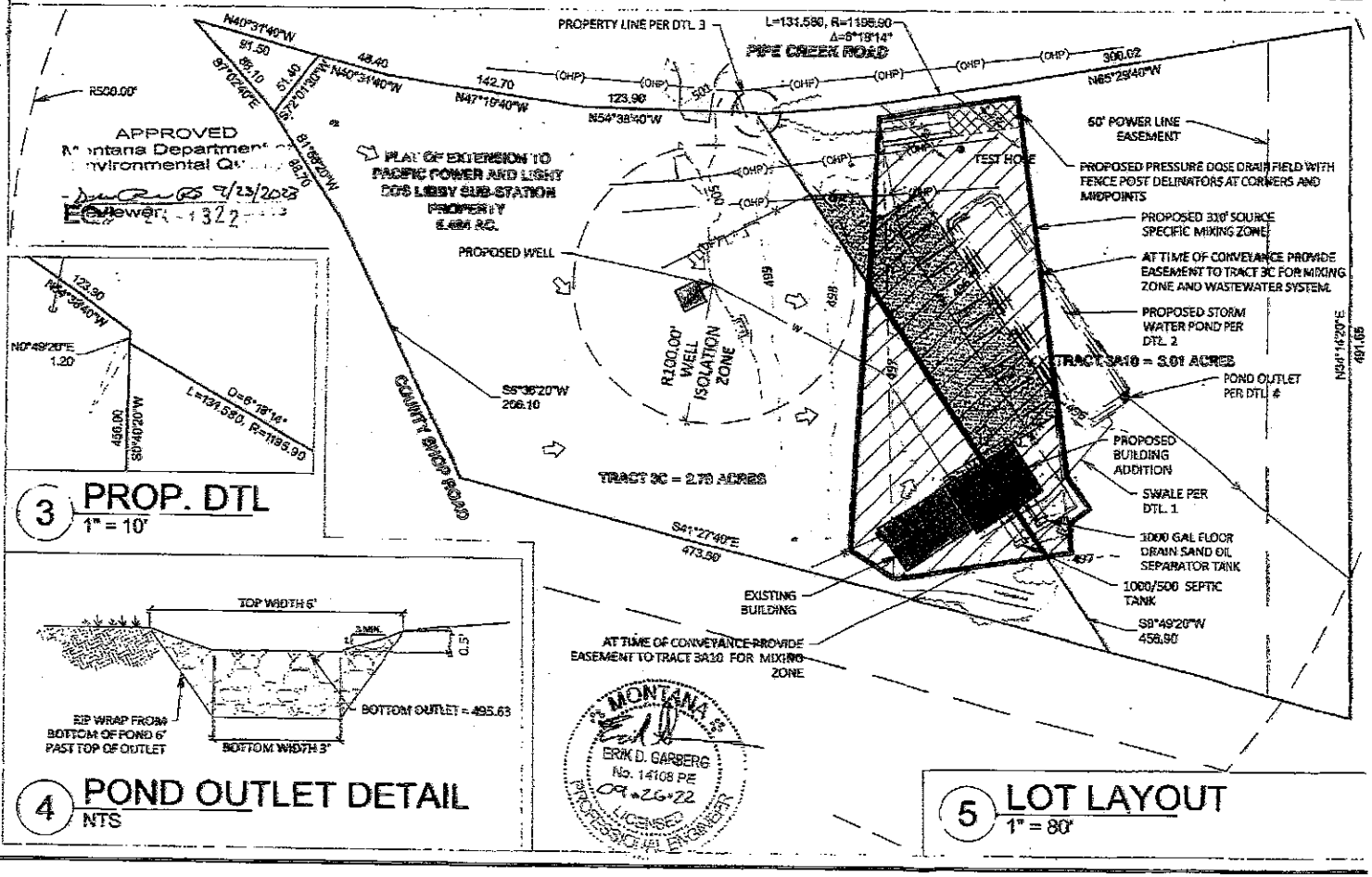


1 SWALE SECTION
NTS



POND STORAGE VOLUME: 12,384.81 ft³ @ 2.0 FEET/495.63

2 STORM POND DETAIL
NTS



3 PROP. DTL
1" = 10'

4 POND OUTLET DETAIL
NTS

5 LOT LAYOUT
1" = 80'