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

Issue Date: 08/28/2008 Expiration Date: 08/29/2009

Property Owner: Donald Young c/o:

Address: [redacted]

Telephone: (Home) [redacted] (Work) [redacted]

Installer: License No.

__XX__ New Installation _____ Existing System

_____ Repair _____ Replacement _____ Extension _____ Other

Describe: Pressure-dosed system per Billmayer & Hafferman Engineering approved plan to construct 5-bedroom capacity system (3-bedroom residence & 2-bedroom guest sleeping suite over garage).

Parcel Description:

Legal: NE-1/4 SW-1/4 NE-1/4 S29 T29 R33

Address or Location: Lot 3 of Feak Tracts Highway 56 Troy, MT

Approved Design Criteria:

Bedrooms 5 Septic Tank Size: 1500 gallons Drainfield Size: 300 Linear Feet

Dosing Tank Size: 500 gallons

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

Special Instructions: INSTALL PRESSURE-DOSED SYSTEM ACCORDING TO BILLMAYER & HAFFERMAN ENGINEERING PLAN, LOT LAYOUT, DEQ-4 AND LINCOLN COUNTY WASTEWATER REGULATION #3. ANY DEVIATIONS FROM APPROVED PLAN MUST BE AUTHORIZED BY THE DEPARTMENT.

Issued By: *Kendra J. Lind, R.S.*

Closure Statement:

I, _____, have inspected this system and found it to be in compliance with the conditions of the permit, and the Lincoln County Wastewater Treatment and Disposal Regulation.

Signed: _____ *Date:* _____

Title: _____

NOTICE: The Department must be notified at least 48 hours prior to backfilling the system. 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 No. 3. Illegal installations may result in fines and/or requirements to remove or reconstruct the system.

406-293-7781

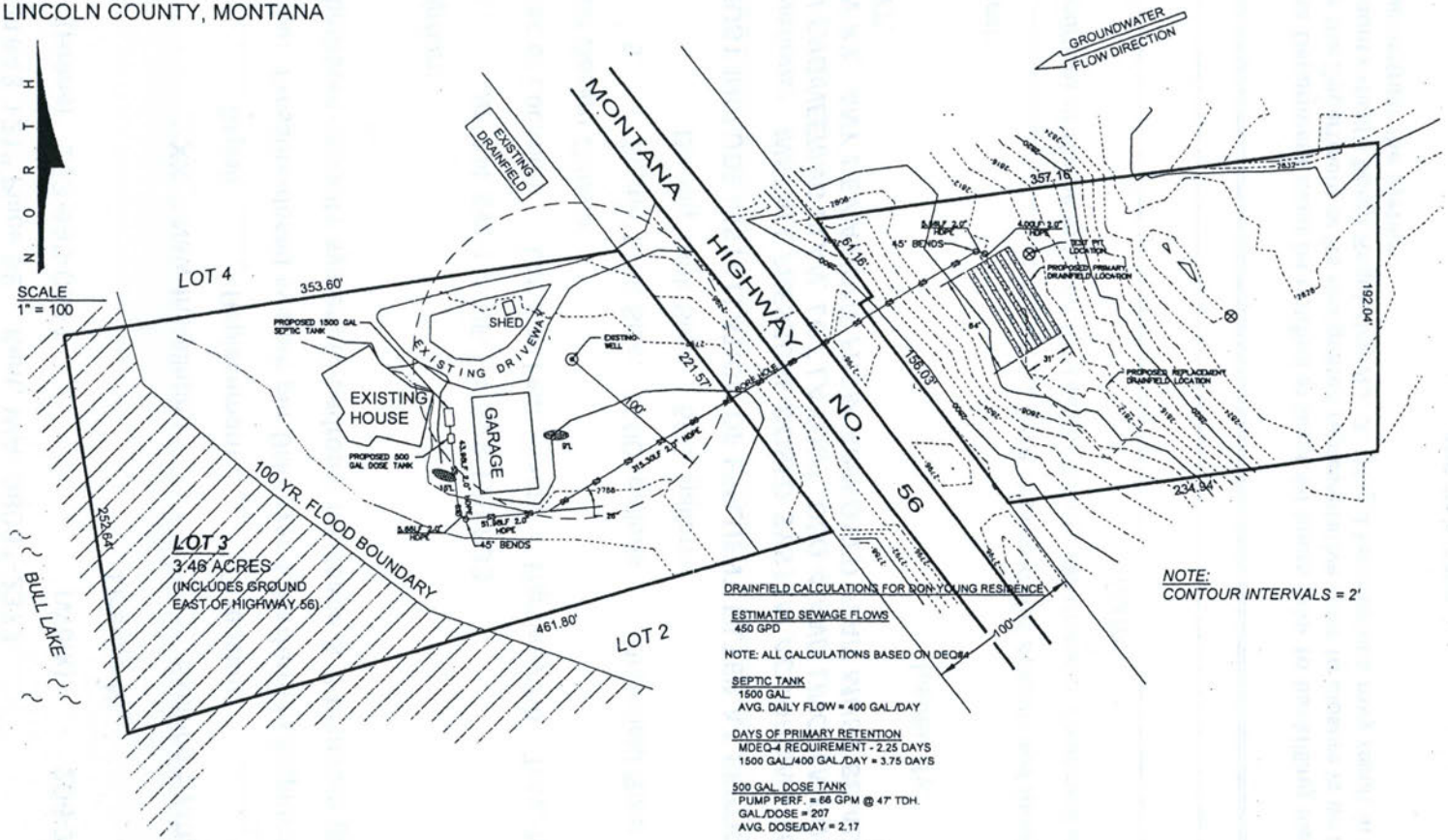
DISCLAIMER

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

LOT LAYOUT

LOT 3, FEAK TRACTS SUBDIVISION

(REMOVAL OF SANITARY RESTRICTIONS)
SECTION 29, TOWNSHIP 29N., RANGE 33W.
LINCOLN COUNTY, MONTANA



NOTE:
CONTOUR INTERVALS = 2'

NOTE:
THERE ARE NO WELLS OR DRAINFIELDS WITHIN 100' OF PROPERTY BOUNDARY EXCEPT FOR THOSE SHOWN.

DRAINFIELD CALCULATIONS FOR DON YOUNG RESIDENCE

ESTIMATED SEWAGE FLOWS
450 GPD

NOTE: ALL CALCULATIONS BASED ON DEQ-4

SEPTIC TANK
1500 GAL.
AVG. DAILY FLOW = 400 GAL./DAY

DAYS OF PRIMARY RETENTION
MDEQ-4 REQUIREMENT - 2.25 DAYS
1500 GAL./400 GAL./DAY = 3.75 DAYS

500 GAL. DOSE TANK
PUMP PERF. = 66 GPM @ 47' TDH.
GAL./DOSE = 207
AVG. DOSE/DAY = 2.17

SIZING COMPS - DRAINFIELD
APPLICATION RATE = X GPD FINE SANDY LOAM, SILT LOAM
SF BASED ON APPLICATION RATE = 450 GPD / 0.5 GPD/SF. = 900 SF
USE 3' WIDE TRENCHES: 900 SF / 3' = 300 L.F. ABS. TR.
USE 5 TRENCHES @ 60' EA.

SYSTEM DATA - DRAINFIELD
LATERAL LENGTH = 60'
LATERAL DIAMETER = 1.5"
ORIFICE DIAMETER = 3/16"
HOLE SPACING = 4.62'
NUMBER OF ORIFICES PER ZONE = 53
DISCHARGE RATE/ORIFICE = 50 GPM @ 50' TDH.

SDS Design
FOR
Don & Ronda Young

BH
BILLMAYER & HAFFERMAN
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DRAWING TITLE
LOT LAYOUT

SCALE
AS SHOWN

DATE
APRIL 15, 2009

PROJECT
Y.DS.D

DRAWING NUMBER
1 of 2