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

Issue Date: 04/30/2014 Expiration Date: 05/01/2015

Property Owner: Tim Byers c/o: Robert Stauffer – APEC, Inc.

Address: [redacted]

Telephone: (Home) (Work)

Installer: Barbara Renkema License No. 78

____ New Installation __XX__ Existing System

____ Repair _____ Replacement __XX__ Extension _____ Other

Describe: Tim Byers pressure-dosed wastewater system extension, per plan designed by Robert W. Stauffer. Existing pressure-dosed system is being expanded with addition one 85-foot lateral and 500-gallon increase in septic tank capacity to accommodate connection of a 1-bedroom guest cabin. Expanded system will accommodate wastewater flows for a total of 4-bedrooms.

Parcel Description:

Legal: Tract 1 in W-1/2 NW-1/4 S24 T36 R26

Address or Location: 138 Stone Road

Approved Design Criteria:

Septic Tank Size: 1500 gallons Dosing Tank Size: 500 gallons Drainfield Size: 420 Linear Feet

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

Special Instructions: ***INSTALL PRESSURE-DOSED SYSTEM EXPANSION ACCORDING TO ROBERT STAUFFER'S PLAN DESIGN, CIRCULAR DEQ 4, AND LINCOLN COUNTY WASTEWATER REGULATION. ANY DEVIATIONS FROM APPROVED PLAN MUST BE AUTHORIZED BY THE DEPARTMENT.*** **SYSTEM DESIGNER MUST ALSO SIGN-OFF ON THE CLOSURE STATEMENT.**

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

Closure Statement:

I, _____, have inspected this system and confirm that it is in compliance with the plan design, the conditions of this permit, and the Lincoln County Wastewater Treatment and Disposal Regulation.

Signed: _____ *Date:*
Licensed Installer

Signed: _____ *Date:*
System Designer.

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.

SEWAGE DISPOSAL SYSTEM EXPANSION FOR 138 STONE ROAD

W 1/2, NW 1/4, SEC. 24, T 36 N , R 26 W , LINCOLN CO.

ESTIMATED SEWAGE FLOWS

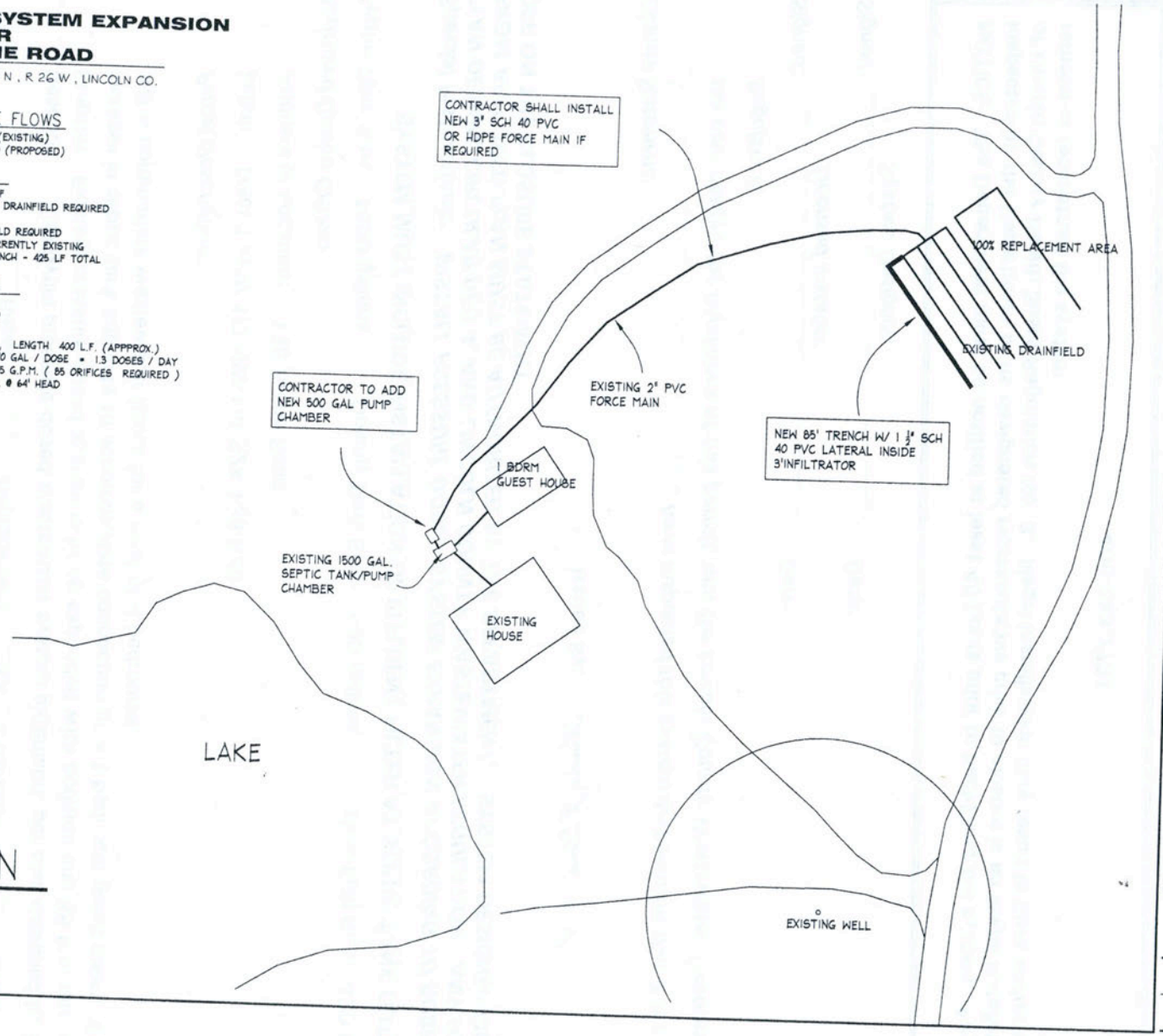
3 BEDROOM HOUSE @ 300 GPD (EXISTING)
4 BEDROOM SYSTEM @ 350 GPD (PROPOSED)

DRAINFIELD SIZING

APPLICATION RATE = 0.3 GPD/SF
350 GPD ÷ .3 GPD/SF = 1166 SF DRAINFIELD REQUIRED
USE 3' WIDE TRENCHES
1166 SF ÷ 3' = 388 LF DRAINFIELD REQUIRED
4 - 85' TRENCHES (334 LF) CURRENTLY EXISTING
ADD 1 ADDITIONAL 85 FOOT TRENCH - 425 LF TOTAL

DRAINFIELD DATA

LATERAL LENGTH = 85 FEET
LATERAL DIAMETER = 1-1/2"
MANIFOLD DIAMETER = 2"
FORCE MAIN DIAMETER = 2 " LENGTH 400 L.F. (APPPROX.)
AVERAGE DOSE VOLUME = 270 GAL / DOSE = 1.3 DOSES / DAY
DISCHARGE RATE / ORIFICE = .45 G.P.M. (85 ORIFICES REQUIRED)
PUMP REQUIREMENTS : 45 G.P.M. @ 64' HEAD



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W E
S

SITE PLAN

SCALE 1" = 60'

DRAINFIELD EXPANSION FOR
138 STONE ROAD

SECTION 24, T36N, R26W, LINCOLN, COUNTY

APEC
Engineering
Kalispell, Montana
www.apec-mt.com
406.755.1333

Drawn By: RWS
Date: 3-3-2014

SITE PLAN

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