

P.O. Box 39
Stockbridge, Vt
05772

TOWN OF STOCKBRIDGE
Land Use and Development Application

746-8400
802-234-9371

1. From: Applicant
Address PO Box 730
KILLINGTON VT 05751
Phone 802 345 9610

2. Owner (If not #1):
Address
Phone

3. Property Location: SOUTH HILL (20)
Stockbridge VT


4. Proposed Use:

- A. Zoning Permit Application: Check One
 - Alteration of existing building(s)
 - New Construction of a _____
- B. Septic System Application: Check One
 - Replacement/Failed system
 - New system for a one Room Building
- C. Road Access Permit
- D. Subdivision Permit Application to divide
One lot into _____ lots.

Note: Items A thru D above require supplemental information. Each type of permit has a separate form that must be completed and additional technical information may also be required.

5. Certification: I, the property owner or duly authorized agent of the owner understand this application form and have completed this and submitted additional information as required, to fully represent the proposed changes to this property. I understand that the approved permit is issued on the basis of representations made by me in this application package and that any misrepresentation will be grounds to nullify the permit.

3/28/06
Date


Signature of Owner or Agent

Permit# 06-940

For Administrative Use

Map# 09-01-023

6. Date Application Rec'd: 4/4/06

7. Fee Paid: Rec'd:

8. Referred to Mark Pelletier

On: _____ Decision: _____

9. Permit Approved Denied

Conditions: ___ Yes* ___ No

10. Date 4-6-06 Signed:  Appeal Filing Period Ends 4/6/06

11. Comments/Conditions*:

Stockbridge, Vt.
0772

TOWN OF STOCKBRIDGE
Septic System Permit Application

004-200-0410

From: Applicant
Address

Phone

2. Owner (If not #1)
Address

Phone

3. Property Location:

4. Proposed Use:

- A. Septic System Permit Application: Check One
- Replacement system
 - Failed Septic System
 - New Septic System

B. Engineer or Certified On-Site Technician

Name: Mike Whipple
License/Certificate # _____

C. Actual isolation distances from the following items:

Drinking water source; <u>100'</u>	Ground Water; <u>500'</u>
Nearest Surface Water; <u>1000'</u>	Road; <u>2500'</u>
Nearest Property Line; <u>500'</u>	Foundation; <u>None ON SLAB</u>

E. Proposed Use: (ie: # Bedrooms; Type of water source; etc.)

one room with wash room - No kitchen or Bed

F. Note: Include a design with this form prepared by the qualified individual above identifying the test pit and percolation test results, replacement area on new systems, and all isolation distances required by the Town Health Ordinance and State of Vermont Dept. of Environmental Conservation Regulations.

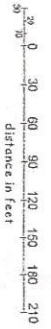
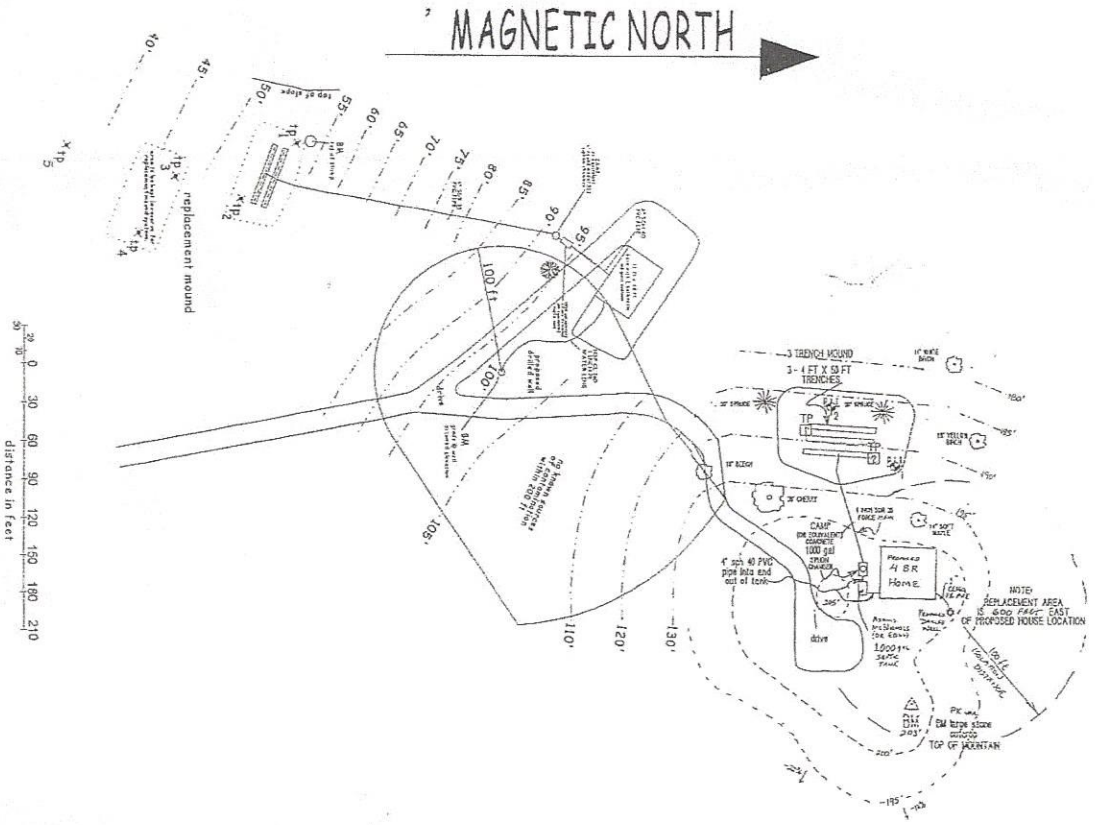
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3/20/06
Date

Signature of Owner or Agent

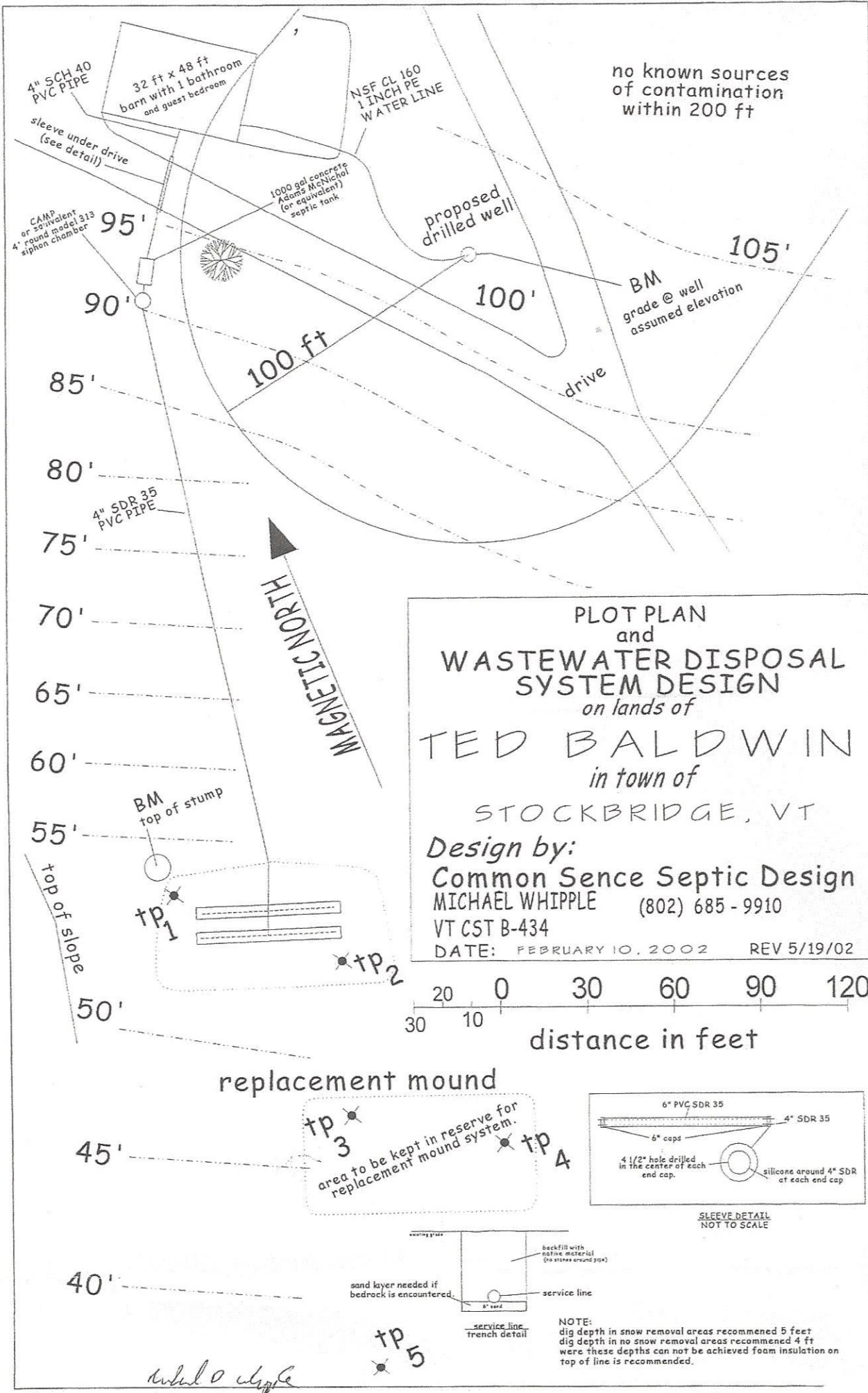
Permit#	For Administrative Use	Map#
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11: Comments:



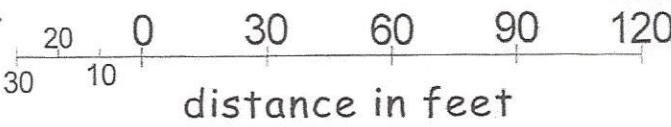
Michael D Whipple

PLOT PLAN
 and
WASTEWATER DISPOSAL
SYSTEM DESIGN
on lands of
TED BALDWIN
in town of
STOCKBRIDGE, VT
 Design by:
Common Sence Septic Design
MICHAEL WHIPPLE (802) 685 - 9910
VT CST B-434
 DATE: FEBRUARY 10, 2002 REV 5/19/02



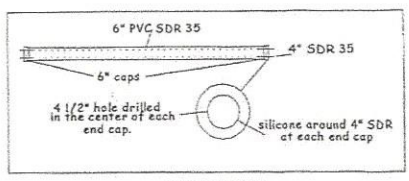
no known sources of contamination within 200 ft

PLOT PLAN and WASTEWATER DISPOSAL SYSTEM DESIGN
on lands of
TED BALDWIN
in town of
STOCKBRIDGE, VT
 Design by:
Common Sence Septic Design
 MICHAEL WHIPPLE (802) 685 - 9910
 VT CST B-434
 DATE: FEBRUARY 10, 2002 REV 5/19/02

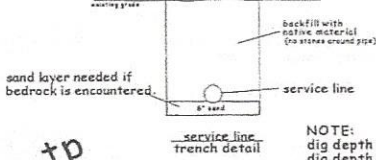


replacement mound

tp 3
 area to be kept in reserve for replacement mound system.



SLEEVE DETAIL NOT TO SCALE



NOTE:
 dig depth in snow removal areas recommended 5 feet
 dig depth in no snow removal areas recommended 4 feet
 were these depths can not be achieved foam insulation on top of line is recommended.

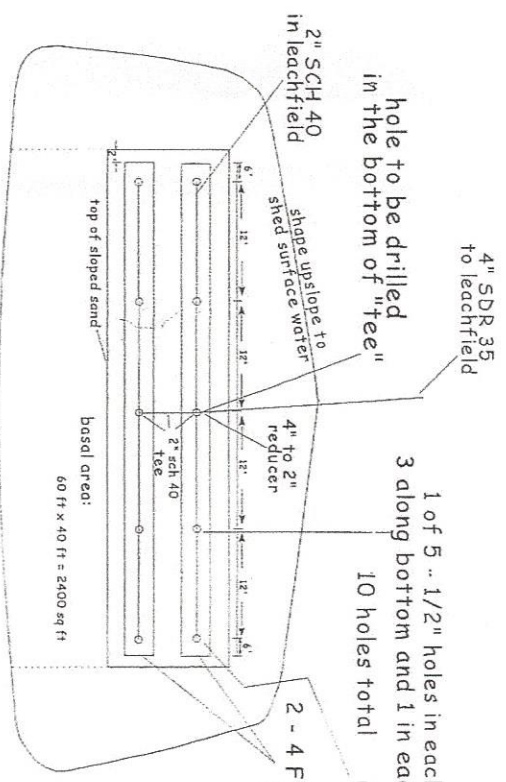
Michael Whipple

WASTEWATER DISPOSAL SYSTEM DESIGN
on lands of
FED BALDWIN
in town of
STOCKBRIDGE, VT

Design by:
Common Sence Septic Design
MICHAEL WHIPPLE (802) 685-9910
VT CST B-434
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PLOT PLAN

perc rate of 16 min per inch
 Basal application rate = 0.74 G/ SQ FT/ day
 required basal area = 450 GPD divide by 0.74 G/ SQ FT/ day
 equals 608 SQ FT of required area



4" SDR 35 to leachfield
 1 of 5 ... 1/2" holes in each trench
 3 along bottom and 1 in each end cap.
 10 holes total
 2 - 4 FT X 60 FT trenches
 8 FT on center

Design Calculations:

3 BR @ 150 GPD = 450 GPD
 450 GPD divide by 16 per SQ FT day = 450 SQ FT
 450 SQ FT divide by 4 FT (trench width)
 divide by 2 (# of trenches) = 56.25 lineal FT
 use 2 - 60 FT trenches, 60 FT x 4 FT (trench width) =
 equals 240 SQ FT per trench, divide by 50 SQ FT = 4.8
 (use 5) number of orifices per trench
 60 FT divide by 5 (# orifice) = 12 FT (distance between orifice)

76' of distribution piping
 10 total orifices
 10 - 1/2" holes

discharge from each orifice:
 orifice diameter = 1/2" discharge rate per orifice = 6.57 gpm (1.31e-3 m³/s)
 total # orifice = 10 x 6.57 gpm = 65.7 gpm total flow
 required min. discharge for model 313 siphon = 48 gpm

total system head loss:

elevation change: - 42' siphon @ 99', trench @ 55'
 friction loss in 4" force main = .28 ft / 100ft X 264' = .739'
 friction loss in 2" manifold & laterals: 3.98 ft / 100ft X 76' = 3.02'
 residual head set @ 5 feet in trenches
 total head required: - 33.24 feet

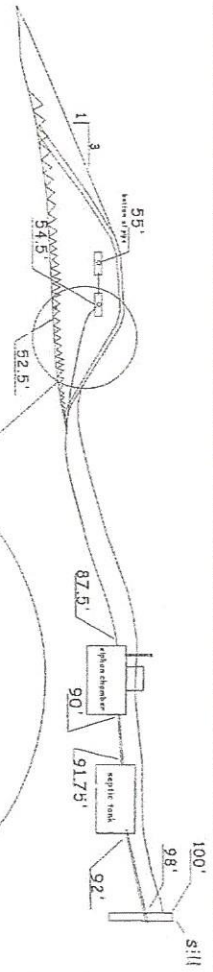
dose volume:
 4' round siphon chamber = 4' X 3.14 = 12.57 SQ FT
 12.57 SQ FT X 13" draw down = 13.57 cubic feet
 13.57 cubic feet X 7.48 = 101.5 gallons

distribution volume:
 76 feet of 2" pipe X .16306 gal/ft = 12.39 gal

dose/volume ratio:
 101.5 gal/dose divided by 12.39 gal = 8.19 volumes/dose

dose/day ratio:
 450 gal/day divided by 101.5 gal/dose = 4.43 dose/day

Michael Whipple



trench cross section

SOILS DATA:

Type C Round Sand Spac	% passing sieve
#10	85% - 100%
#40	30% - 50%
#200	0% - 10%

0 - 8" dark brown fine sand loam (lose many roots, few stones 1/4 - 1/2" angular)
 8 - 30" orange brown fine sand loam (lose, some roots, few stones 1/4 - 3/4" round)
 30 - 46" gray brown very fine sand loam (friable, few roots, some stones 1/2 - 3" angular)
 roots to 40"
 ledge on bottom
 mottling @ 36" or below

note:
 soils data for TP 1 - 5

DETAIL SHEET
NOT TO SCALE