Minimum Isolation Distances
From Leachfield

Water main	*50 Feet*
Water service line	*25 Feet*
Roadway/Driveway	*10 Feet (25 Feet Downslope)*
Streams/Lakes	*50 Feet*
Foundations	*35 Feet (75 Feet Downslope)*
Property Line	*25 Feet*

Basis of Design Replacement Area House
4- Bedrooms = 490 GPD
Application Rate - 1 Gal/ Sq ft per day
Disposal Area: 490 gal/1.0 gal/sq. ft.
Required Area = 490 sq. ft.
Area Provided - 492 sq. ft.
Use Bed 6' wide x 82'long
Basal Area = 490/.74= 662 sqft. = 82' long x 8.1' deep

Primary Area
Performance Based Linear Loading Rate
From Table # 1, Linear Loading Rate Factors
Based on Soil Textures & Natural Ground Slope
Provided by the State of Vermont Wastewater Management Division

Fine Sandy loam@ 7.2% = (10.5)
14" to mottles @ TP6 - 14"-6/12
LLR = (66) (10.5) = 7
(490 GPD)/ (7) Gal/ Lin. FT.)
Required Linear Feet = 70
Use 1 Bed 6' Wide X 82' Long
Provided Linear Feet 82

TEST PITS PERFORMED 2/4/08
EXCAVATOR: DENTON EXCAVATING
PRESENT: DAVID MISKELL, ROBERT MACK
SPENCER HARRIS TOWN OF CHARLOTTE AND JEFF KEENEY

TP1
0- 16" TOPSOIL LIGHT BROWN FRIABLE
16 - 28" ORANGE BROWN, VERY FINE SANDY LOAM, FRIABLE
MOTTLES 16", NO LEDGE TO DEPTH

TP2
0- 16" TOPSOIL LIGHT BROWN FRIABLE
16 - 28" ORANGE BROWN, VERY FINE SANDY LOAM, FRIABLE
MOTTLES 16", NO LEDGE TO DEPTH

TP3
0- 10" TOPSOIL LIGHT BROWN FRIABLE
10 - 26" ORANGE BROWN, FINE SANDY LOAM, FRIABLE
26+ VERY FINE SANDY LOAM, GREY BROWN
MOTTLES 20", ROOTS TO 26"

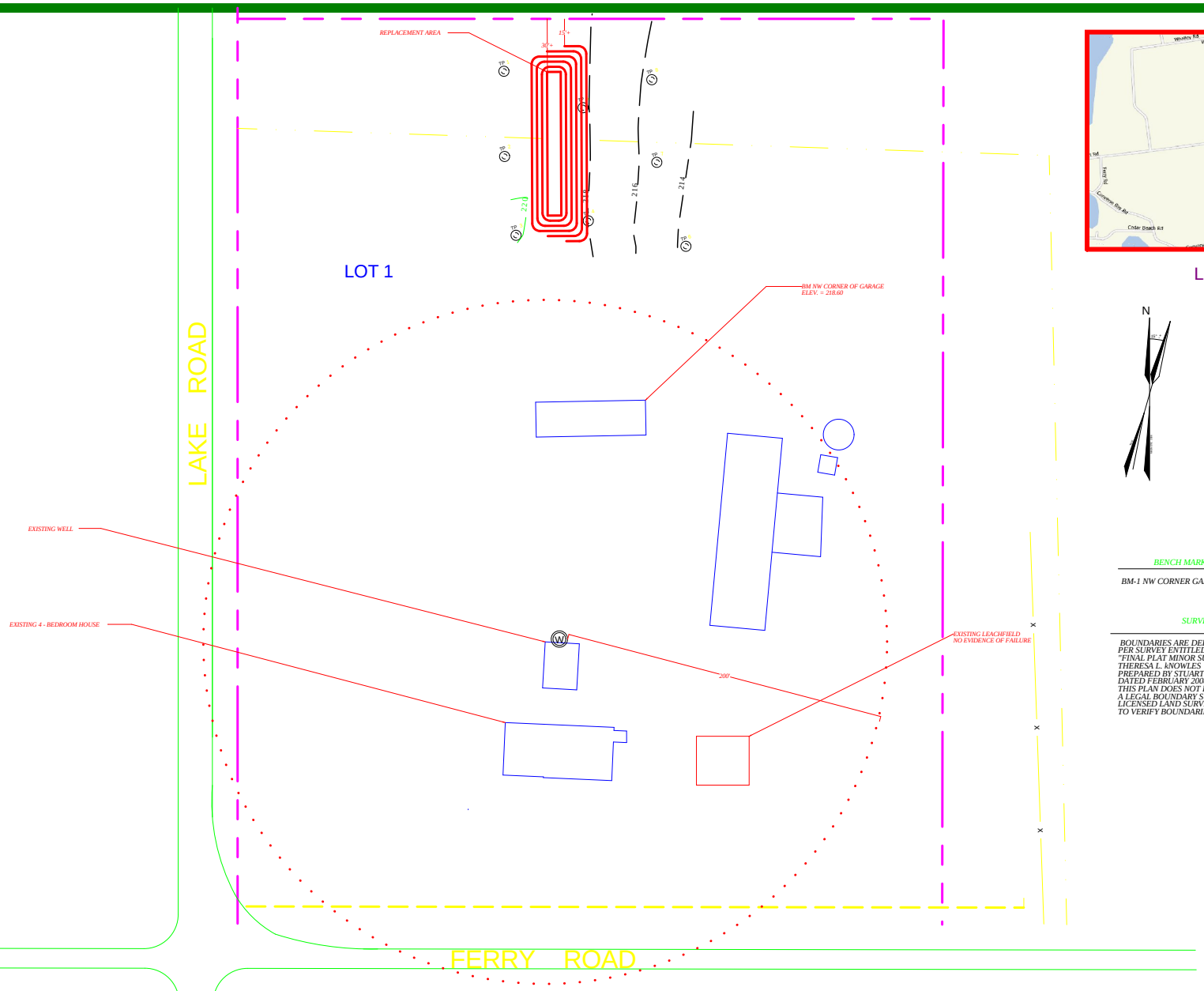
TP4
0- 10" TOPSOIL DARK BROWN FRIABLE
10 - 24" ORANGE BROWN, VERY FINE SANDY LOAM, FRIABLE
24+ SILT LOAM, GREY BROWN
MOTTLES 17", NO LEDGE TO DEPTH

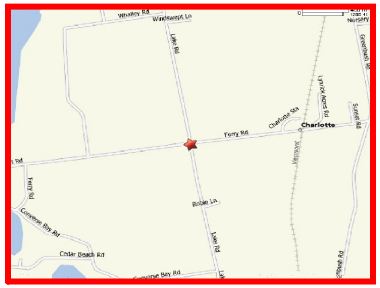
TP5
0- 10" TOPSOIL DARK BROWN FRIABLE
10 - 20" ORANGE BROWN, VERY FINE SANDY LOAM, FRIABLE
MOTTLES 17", NO LEDGE TO DEPTH

TP6
0- 10" TOPSOIL DARK BROWN FRIABLE
10 - 20" ORANGE BROWN, VERY FINE SANDY LOAM, FRIABLE
MOTTLES 14", NO LEDGE TO DEPTH

TP7
0- 8" TOPSOIL DARK BROWN FRIABLE
8- 28" ORANGE BROWN, VERY FINE SANDY LOAM, FRIABLE
MOTTLES 17", NO LEDGE TO DEPTH

TP8
0- 12" TOPSOIL DARK BROWN FRIABLE
12 - 30" ORANGE BROWN, VERY FINE SANDY LOAM, FRIABLE
MOTTLES 18", NO LEDGE TO DEPTH





Locus Map

BENCH MARK ELEVATIONS

BM-1 NW CORNER GARAGE = 218.60

SURVEY NOTE

BOUNDARIES ARE DEPICTED
PER SURVEY ENTITLED
"FINAL PLAT MINOR SUBDIVISION
THERESA L. KNOWLES
PREPARED BY STUART MORROW CONSULTING LAND SURVEYOR
DATED FEBRUARY 2008
THIS PLAN DOES NOT REPRESENT
A LEGAL BOUNDARY SURVEY. CONTACT A
LICENSED LAND SURVEYOR AS NECESSARY
TO VERIFY BOUNDARIES.

LEGEND

- *TREE*
- *SEPTIC TANK*
- *DRILLED WELL*
- *TEST PITS*
- *CONTROL POINT*
- *PERCOLATION TEST*
- *CURB STOP*
- *UTILITY POLE*
- *IRON PIPE FOUND*
- *EXISTING CONTOURS*
- *APPROX BOUNDARY*
- 500 *PROPOSED CONTOURS*

0 15 30 60 90
SCALE 1" = 30'

THIS DESIGN IS PROPOSED TO SATISFY CRITERIA AND MEET
THE INTENT OF THE VERMONT ENVIRONMENTAL PROTECTION RULES
CHAPTER 1 WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES
EFFECTIVE SEPTEMBER 29, 2008

STATE OF VERMONT
JEFFREY KEENEY
NO. 377-B
LICENSED DESIGNER

SITE PLAN

THERESA KNOWLES
FERRY ROAD
CHARLOTTE, VERMONT

HIGH KNOB
DESIGN ASSOCIATES LLC

WATER & WASTEWATER DESIGNS
TOPOGRAPHIC SITE PLANS & MAPPING
STATE & LOCAL PERMITTING

981 BIG HOLLOW ROAD
STARKSBORO, VERMONT 05487
453-5071

Drawn:	JMK
Date:	3/4/08
Scale:	AS NOTED
Project:	2008004
Sheet:	1 OF 1