

Minimum Isolation Distances
From Leachfield

Water main	50 Feet
Water service line	25 Feet
Roadway/Driveway	10 Feet (25 Feet Downslope)
Stream/Culvert	50 Feet
Foundation	25 Feet (75 Feet Downslope)
Property Line	25 Feet

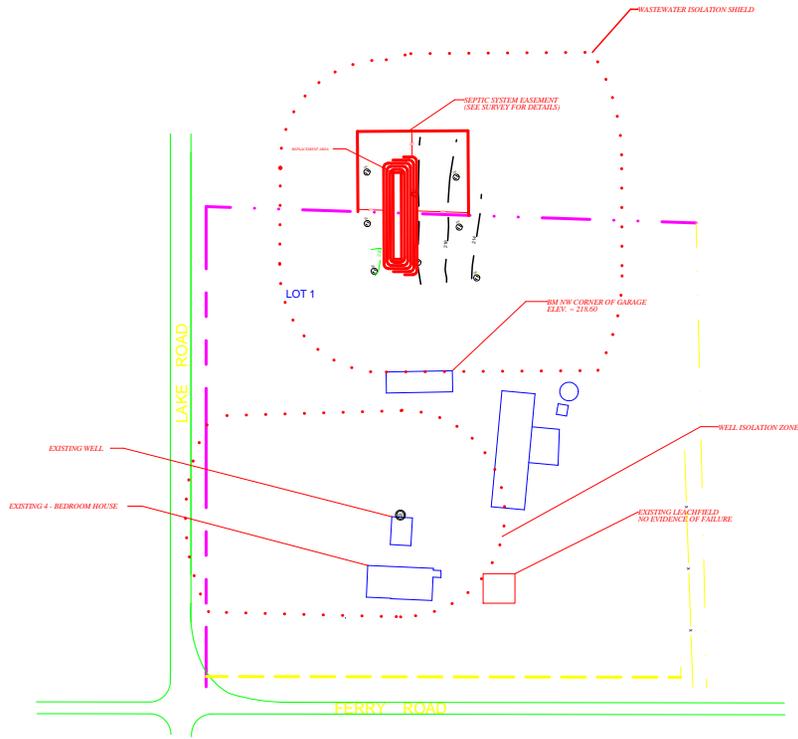
Basin of Design Replacement Area House
of Bedrooms = 400 GPD
Application Rate = 1 Gallon/50 sq ft per day
Required Area = 400 Gallons/100 sq ft
Required Area = 400 sq. ft.
Provided Area = 402 sq. ft.
Line Bed = wide x 1.0 long
Basin Area = 400.74 = 66 sqft. = 82' long x 8.1' deep

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

File Number: 2018-1183
12" x 18" manholes @ TP9, 14'-0" D
1.00 GPD/171 Gallon Lin. Ft.
Required Linear Foot = 70
Dio. 1 Bed 16" Wide x 82' Long
Provided Linear Foot = 82

TEST PITS PERFORMED 2/10/18
EXCAVATOR: BENTON EXCAVATING
PRESENT: DAVID MCELLE, ROBERT MACK
SPENCER HARRIS TOWN OF CHARLOTTE AND JEFF KEENEY

- TP1
0-16" TOPSOIL LIGHT BROWN FRABLE
16-20" ORANGE BROWN VERY FINE SANDY LOAM, FRABLE
MOTTLES 10"; NO LEDGE TO DEPTH
- TP2
0-8" TOPSOIL LIGHT BROWN FRABLE
16-20" ORANGE BROWN VERY FINE SANDY LOAM, FRABLE
MOTTLES 10"; NO LEDGE TO DEPTH
- TP3
0-10" TOPSOIL LIGHT BROWN FRABLE
10-20" ORANGE BROWN VERY FINE SANDY LOAM, FRABLE
24" VERY FINE SANDY LOAM GREY BROWN
MOTTLES 20"; ROOTS TO 20"
- TP4
0-10" TOPSOIL DARK BROWN FRABLE
10-24" ORANGE BROWN VERY FINE SANDY LOAM, FRABLE
24" Silt LOAM, GREY BROWN
MOTTLES 17"; NO LEDGE TO DEPTH
- TP5
0-10" TOPSOIL DARK BROWN FRABLE
10-20" ORANGE BROWN VERY FINE SANDY LOAM, FRABLE
MOTTLES 17"; NO LEDGE TO DEPTH
- TP6
0-10" TOPSOIL DARK BROWN FRABLE
10-20" ORANGE BROWN VERY FINE SANDY LOAM, FRABLE
MOTTLES 14"; NO LEDGE TO DEPTH
- TP7
0-8" TOPSOIL DARK BROWN FRABLE
8-24" ORANGE BROWN VERY FINE SANDY LOAM, FRABLE
MOTTLES 17"; NO LEDGE TO DEPTH
- TP8
0-12" TOPSOIL DARK BROWN FRABLE
12-30" ORANGE BROWN VERY FINE SANDY LOAM, FRABLE
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 CONTOUR
	APPROVE BOUNDARY
	PROPOSED CONTOUR

22013	ADDED SEPTIC SYSTEM ISOLATION SHIELD	JK

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 26, 2008



SITE PLAN

THERESA KNOWLES
FERRY ROAD
CHARLOTTE, VERMONT

HIGH KNOB
DESIGN ASSOCIATES LLC

WATER & WASTEWATER DESIGN'S
TOPOGRAPHIC SITE PLANS & MAPPING
STATE & LOCAL PERMITTING
981 BIG HOLLOW ROAD
STARKSBORO, VERMONT 05487
453-5071

DATE	JK
DATE	2/10/18
DATE	AS NOTED
DATE	2/20/20
DATE	7/20/1