

SOIL TESTS

TEST HOLE	MIN. UNIFORM SEEPAGE RATE (MIN./INCH)	SOIL PROFILE (DEPTH IN INCHES)
1		0-4 TOPSOIL 4-27 LIGHT BROWN FINE SANDY LOAM 27-68 RED BROWN COMPACT TILL 27 MOTTLES NO WATER
2		0-4 TOPSOIL 4-27 LIGHT BROWN FINE SANDY LOAM 27-79 RED BROWN COMPACT TILL 27 MOTTLES NO WATER
3	20 @ 20"	0-7 TOPSOIL 7-22 ORANGE BROWN SANDY LOAM 22-80 RED BROWN HARDPAN NO MOTTLES NO WATER 22 ROOTS
4	4 @ 20"	0-9 TOPSOIL 9-24 ORANGE BROWN SANDY LOAM 24-40 SANDY LOAM WITH ROCKS 40-96 RED BROWN HARDPAN NO MOTTLES NO WATER
5	10 @ 20"	0-8 TOPSOIL 8-24 ORANGE BROWN SILTY LOAM 24-92 RED BROWN HARDPAN 24 MOTTLES NO WATER

LOT 1 SEPTIC SYSTEM DESIGN (RESERVE SYSTEM)									
BEDROOMS	TEST	SLOPE HG (%)	RESTRICTIVE LAYER (N.)	PERC RATE (MIN./IN.)	HF	FF	PF	MLSS (FT.)	REQ'D. LEACH. AREA (S.F.)
5	5	> 15.0	24	10 @ 20"	24	2.25	1.2	64.8	742.5

PROPOSED LEACHING SYSTEM: 216 FEET OF "INFILTRATOR QUICK 4 STANDARD" CHAMBERS
 PROPOSED EFFECTIVE LEACHING AREA = 216 LF X 3.6 SF / LF = 777.6 SF
 PROPOSED LEACHING SYSTEM SPREAD = 72.0 FT

LOT 2 SEPTIC SYSTEM DESIGN									
BEDROOMS	TEST	SLOPE HG (%)	RESTRICTIVE LAYER (N.)	PERC RATE (MIN./IN.)	HF	FF	PF	MLSS (FT.)	REQ'D. LEACH. AREA (S.F.)
4	3	> 15.0	22	20 @ 20"	26	2.0	1.5	78.0	900
4	4	> 15.0	24	4 @ 20"	24	2.0	1.0	48.0	660

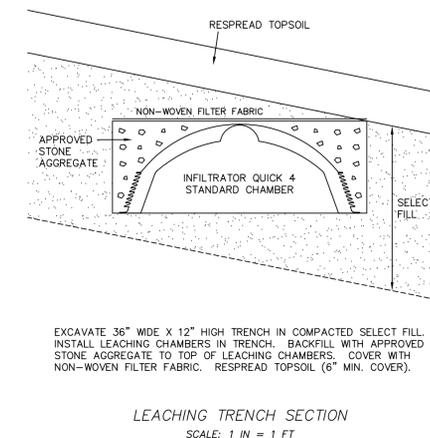
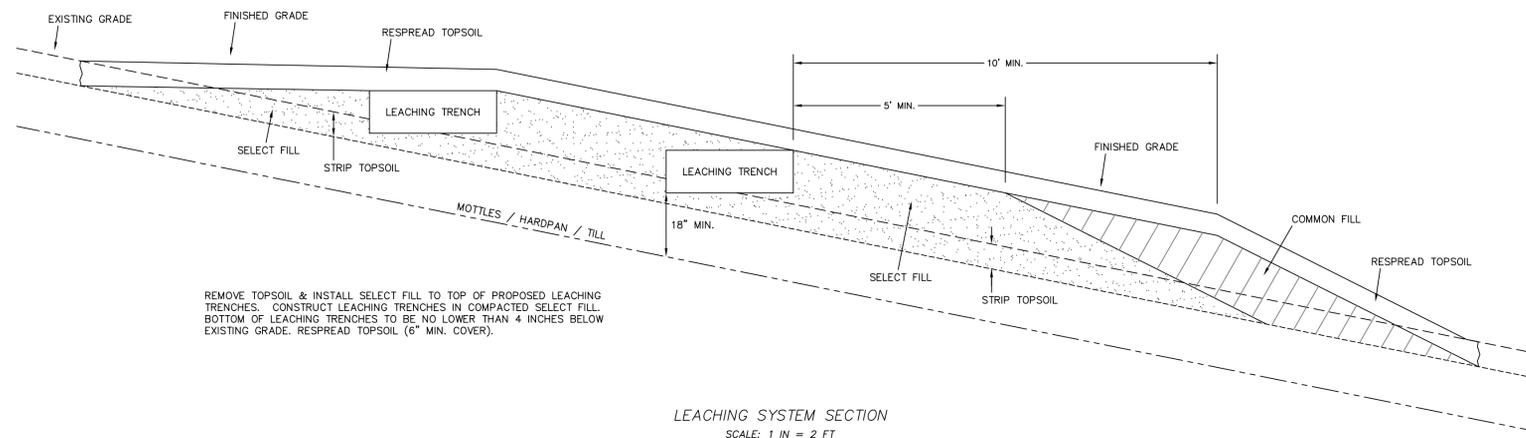
SEPTIC SYSTEM DESIGN RECOMMENDATION: (SEE NOTE 1)
 MIN. SEPTIC TANK CAPACITY (GAL.): 1,250
 PROPOSED LEACHING SYSTEM: 256 FEET OF "INFILTRATOR QUICK 4 STANDARD" CHAMBERS THE PRIMARY SYSTEM AND THE SAME FOR THE RESERVE SYSTEM
 PROPOSED EFFECTIVE LEACHING AREA = 256 LF X 3.6 SF / LF = 921.6 SF
 PROPOSED LEACHING SYSTEM SPREAD = 128 FT

SEPTIC SYSTEM NOTES

- PROPOSED HOUSE STYLE AND LOCATION, AS SHOWN, IS CONCEPTUAL. PROPOSED SEPTIC SYSTEMS ARE SHOWN FOR THE PURPOSE OF OBTAINING APPROVAL OF THE PROPOSED LOT. ALTERNATIVE SEPTIC SYSTEMS MAY BE APPROVED.
- AT THE TIME OF APPLICATION FOR BUILDING PERMIT, THE BUILDER/DEVELOPER SHALL SUBMIT A DETAILED SITE PLAN PREPARED BY A PROFESSIONAL ENGINEER TO FARMINGTON VALLEY HEALTH DISTRICT (FVHD), TOWN BUILDING DEPARTMENT AND TOWN ENGINEER. THE SITE PLAN SHALL SHOW, AS A MINIMUM, THE FOLLOWING:
 EXISTING CONTOURS
 EXISTING UTILITIES
 WETLANDS, WATERCOURSES, AND SETBACKS
 PROPOSED HOUSE LOCATION
 PROPOSED DRIVEWAY LOCATION
 PROPOSED GRADING AND VEGETATION REMOVAL
 PROPOSED SEPTIC LAYOUT AND DESIGN
 PROPOSED WELL LOCATION
 PROPOSED FOOTING/CURTAIN/STORM DRAINS
 EROSION CONTROLS, NOTES AND DETAILS
- FOLLOWING PLAN APPROVAL, CONTRACTOR SHALL OBTAIN PERMISSION TO START CONSTRUCTION FROM FVHD.
- SEPTIC SYSTEM CONSTRUCTION AND MATERIALS SHALL CONFORM TO "CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS" (LATEST REVISION).
- SEPTIC SYSTEM CONSTRUCTION SHALL OCCUR DURING LOW SOIL MOISTURE CONDITIONS.
- SELECT FILL PLACED WITHIN AND ADJACENT TO THE LEACHING SYSTEM SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY A PROFESSIONAL ENGINEER FOR USE WITHIN THE LEACHING AREA:
 - THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE 3 INCH SIEVE.
 - UP TO 45 % OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE).
 - THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
 - THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SIEVE SIZE	PERCENT PASSING	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70 - 100	70 - 100
#40	10 - 50 *	10 - 75
#100	0 - 20	0 - 5
#200	0 - 5	0 - 2.5

* PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75 % IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10 % AND THE #200 SIEVE DOES NOT EXCEED 5 %



FINAL APPROVAL

This subdivision received Final Approval as authorized by the Simsbury Planning Commission.

Signature _____
 Planning Commission Chairman or Secretary

Date of Final Approval _____

Pursuant to Title 8 of the Connecticut General Statutes as revised and Section 12 B of these regulations, all work in connection with this subdivision must be completed by _____, otherwise the approval will lapse.

This approval, unless otherwise indicated by special notation, does not include specific approval of driveway construction, building size or location, or septic design. Subdivision may also be subject to conditions, the satisfaction of which may be a prerequisite to the issuance of a Zoning or Building Permit. Buyers are advised to Inquire at the Simsbury Land Use Office.

DATE	REVISION
9-5-14	PER TOWN STAFF
7-3-14	EROSION CONTROLS ADDED

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

111 PROSPECT HILL ROAD - WINDSOR, CT 06095 - (860) 688-2413

SEPTIC SYSTEM DESIGN & DETAILS

RE-SUBDIVISION
 PROPERTY OF
RANDY E. & SHELLY SWINFORD
 5 PINNACLE MOUNTAIN ROAD
 SIMSBURY, CONNECTICUT

SCALE: AS SHOWN

MARCH 7, 2014