

### RR-80 ZONING REQUIREMENTS TABLE

SECTION	REQUIREMENTS	EXISTING	PROPOSED
5.1.1	MINIMUM LOT AREA	80,000 SF	319,165 SF
5.1.1	MINIMUM FRONTAGE	200'	372.91'
5.1.1	MINIMUM FRONT YARD SETBACK	50'	948.33'
5.1.1	MINIMUM SIDE YARD SETBACK	25'	39.2'
5.1.1	MINIMUM REAR YARD SETBACK	50'	89.6'
5.1.1	MAXIMUM BUILDING HEIGHT	30'	15.64'
5.1.1	FLOOR AREA RATIO	0.10	0.02

PERCOLATION HOLE: P1 - GARY J. WINALSKI, P.E.

DEPTH: 31"

PRESOAK: OVERNIGHT

TIME	READING (INCHES)	CHANGE (INCHES)	PERC. RATE (MINS./INCH)
6:33	12.0	-	-
6:43	15.0	3	3.22
6:53	17.25	2.5	4.00
7:03	18.75	2.0	6.50
7:13	20.25	1.5	6.67
7:23	21.75	1.5	6.67
7:33	23.25	1.5	6.67

PERCOLATION RATE: 6.67 MIN./INCH

**LOT A BARNES ROAD - SEPTIC DESIGN DATA**  
**3 BEDROOM DESIGN**

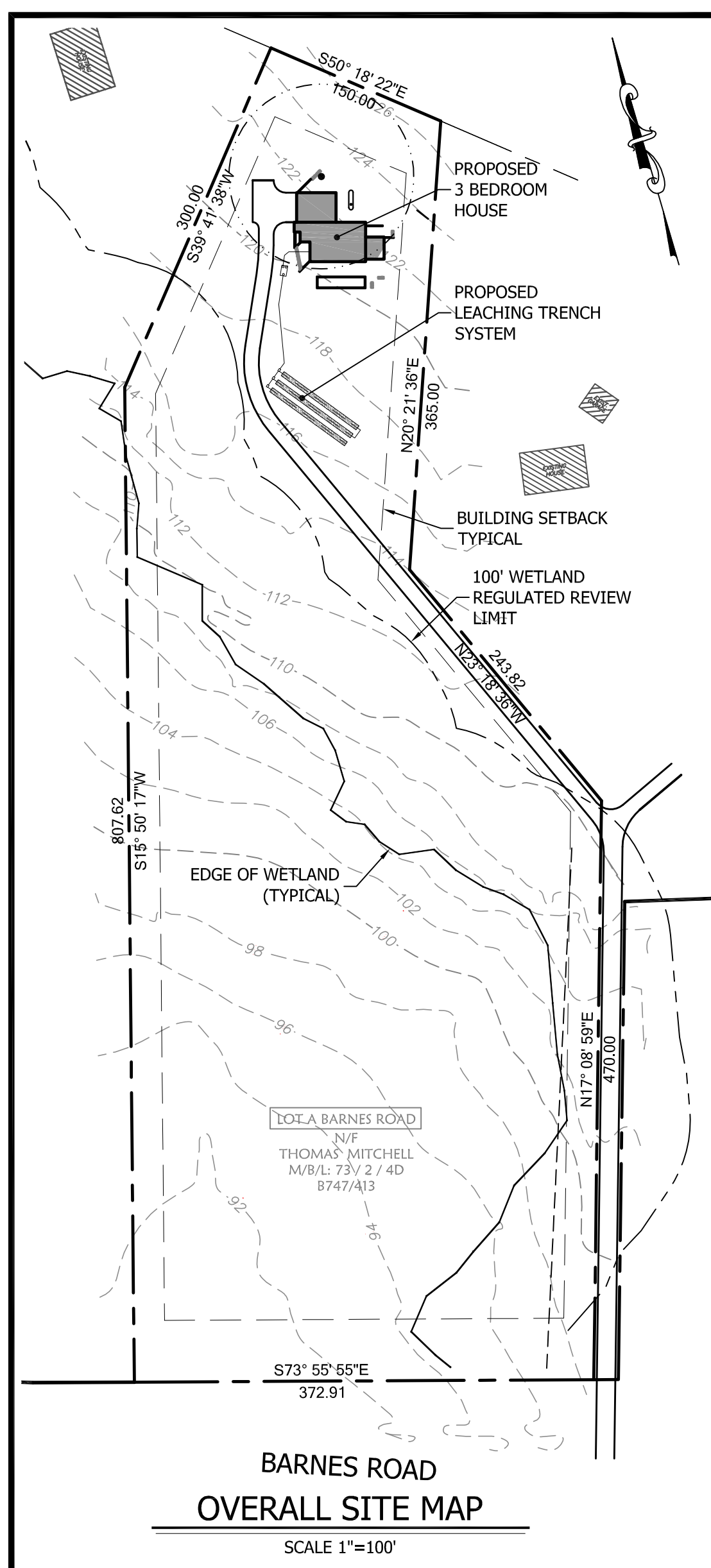
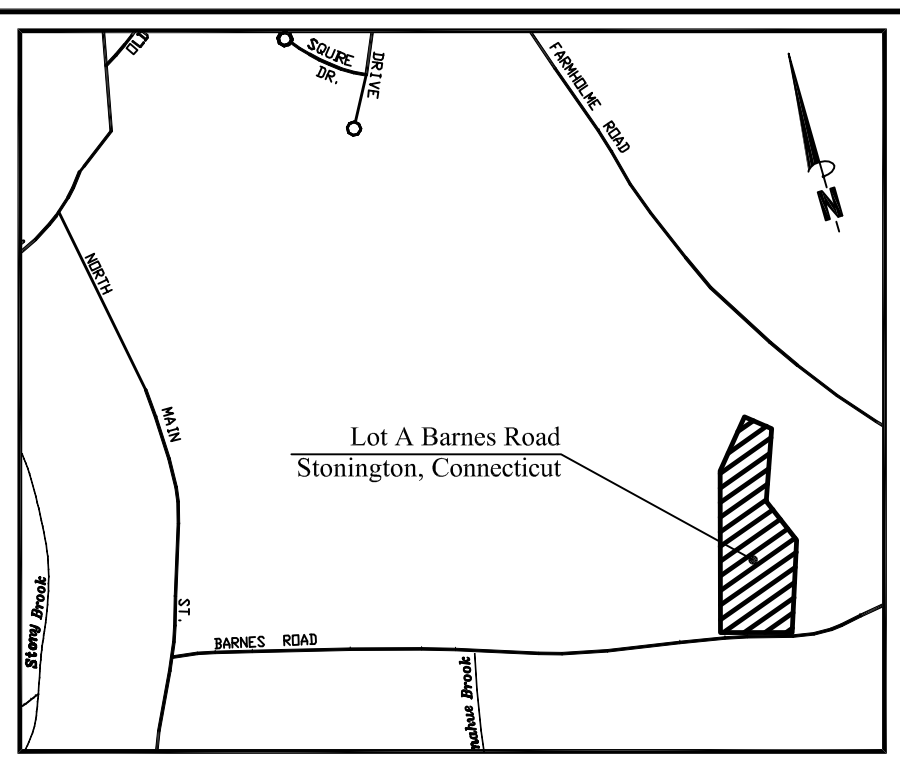
USE PERC RATE = 10.1-20.0 MINS./INCH = 675 SF OF EFFECTIVE LEACHING REQUIRED  
LEACHING TRENCHES = 3.0 SF/LF  
MINIMUM REQUIRED TRENCH = 675 SF / 3 SF/LF = 225 LF  
TRENCH PROVIDED = 225 LF - 3 ROWS @ 75 LF  
EFFECTIVE LEACHING PROVIDED = 675 SF

MLSS CALCULATION:  
RESTRICTIVE LAYER= 38"  
MLSS= HFxPFxPP  
HF= 30  
FF= 1.5  
PF= 1.5  
MLSS= 30x1.5x1.5= 67.50'  
75 LF PROVIDED

### Legend

**EXISTING**

- PROPERTY CORNER
- EX. IP / REBAR
- EX. PK NAIL
- UTILITY POLE W/ LIGHT
- STONEWALL
- METAL FENCE LINE
- POST & BEAM FENCE LINE
- BOARD FENCE LINE
- WATER VALVE
- OVERHEAD WIRES
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- INDEX CONTOUR
- CONTOUR
- WETLANDS BOUNDARY/FLAG
- MEAN LOW WATER LINE
- MEAN HIGH WATER LINE
- HIGH TIDE LINE
- COASTAL JURISDICTIONAL LINE
- ZONE LINE
- SETBACK LINE
- NOW OR FORMERLY
- CATCH BASIN
- (TYP.)
- SPOT ELEVATION
- DRILL HOLE
- POINT OF BEGINNING
- TEST PIT
- PERCOLATION TEST
- UTILITY POLE
- MANHOLE



TEST PIT: 4A - GARY J. WINALSKI, P.E.	TEST PIT: 4B - GARY J. WINALSKI, P.E.	TEST PIT: 4C - GARY J. WINALSKI, P.E.	TEST PIT: 4D - GARY J. WINALSKI, P.E.
0"-10" TOPSOIL	0"-11" TOPSOIL	0"-8" TOPSOIL	0"-10" TOPSOIL
10"-32" SUBSOIL	11"-33" SUBSOIL	8"-33" SUBSOIL	10"-33" SUBSOIL
32"-89" FINE SANDY GRAVEL	33"-82" FINE SANDY GRAVEL	33"-81" FINE SANDY GRAVEL	33"-81" FINE SANDY GRAVEL
MOTTLES: YES	MOTTLES: YES	MOTTLES: YES	MOTTLES: YES
GROUNDWATER: NO	GROUNDWATER: NO	GROUNDWATER: NO	GROUNDWATER: NO
LEDGE: NO	LEDGE: NO	LEDGE: NO	LEDGE: NO
ROOTS: NO	ROOTS: NO	ROOTS: NO	ROOTS: NO
RESTRICTIVE: 40"	RESTRICTIVE: 38"	RESTRICTIVE: 38"	RESTRICTIVE: 34"

**Subject Parcel Information**

OWNER: THOMAS MITCHELL, REALSMARHOUSE  
PARCEL ADDRESS: 54 BARNES ROAD  
MAILING ADDRESS: P.O. BOX 11  
73 / 2 / 4D  
DEED: BOOK 747 PAGE 413  
AREA: 319,165 SF, 7.33 ACRES  
ZONE: X  
FLOOD ZONE:  
FIRM MAP #09011C0532J  
EFFECTIVE DATE: AUGUST 5, 2013

NO.	DATE	REVISIONS
1	7/14/2016	HEALTH DEPARTMENT COMMENTS

Gregg T. Fedus P.E.  
CT. License No. 21231

**Septic Site Plan**  
of  
**54 Barnes Road**  
Stonington, Connecticut  
Prepared For:  
Thomas Mitchell, Realsmarhouse  
May 27, 2016

DRAWING SCALE: 1"=30'

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SHEET NO. 1 OF 2 JOB NO. 16-000577 DRAWN BY: CAC