

# B-100a DESIGN CRITERIA

SEPTIC SYSTEM DESIGN AND INSTALLATION TO COMPLY WITH CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS REVISED JANUARY 1, 2015.

MINIMUM LEACHING SYSTEM SPREAD (MLSS) CALCULATION: NOT APPLICABLE  
NUMBER OF BEDROOMS 4 (PER ASSESSOR'S RECORDS)  
PERCOLATION RATE 1-10 MIN/INCH  
RESTRICTIVE LAYER NONE OBSERVED TEST PIT 1,2,3  
GROUND SLOPE 0.0 %  
MLSS: NOT APPLICABLE

REQUIRED: 660 SQ. FT. OF EFFECTIVE LEACHING AREA.

PROVIDED: 220 LINEAL FEET OF 4FT. WIDE STONE TRENCHES (EFFECTIVE LEACHING CREDIT 3 SQ. FT./FT) WITH AN EFFECTIVE LEACHING AREA OF 660 SQ.FT. MINIMUM SPACING OF 8FT. ON CENTER WITH HOUSE SEWER PIPE OF 4" DIA. SCHEDULE - 40 ASTM D-1785 / ASTM D-2665.

TRENCH BOTTOMS TO BE NO MORE THAN 24" BELOW ORIGINAL GRADE.

## SURVEY NOTES:

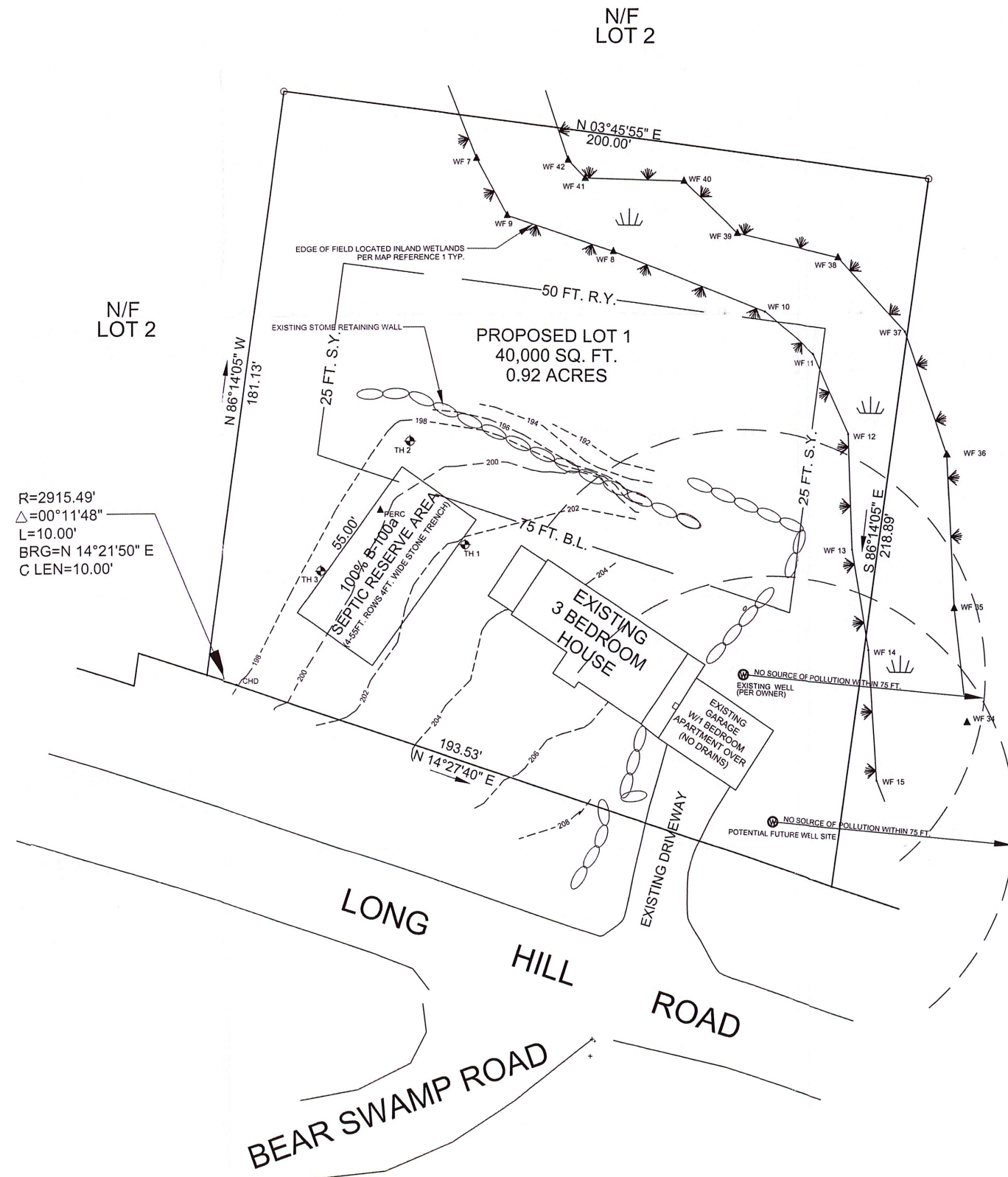
1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT IS A GENERAL LOCATION SURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS D. THIS MAP WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES. IT IS NOT TO BE CONSTRUED AS A PROPERTY/BOUNDARY OR LIMITED PROPERTY/BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEYS MAY DISCLOSE. THE INTENT OF THIS MAP IS TO DEPICT THE PROPOSED SEPTIC SYSTEM WITH RESPECT TO MUNICIPAL AND STATUTORY REQUIREMENTS.

2. TOPOGRAPHY SHOWN WAS FIELD DERIVED BY BUSHNELL ASSOCIATES LLC. USING AN ASSUMED DATUM.

MAP REFERENCES:  
1.) PLAN PREPARED FOR JOSHUA G. CLARK & CHRISTOPHER L. WIERZBICKI 64 LONGHILL ROAD ANDOVER CT. SUBDIVISION PLAN SCALE: 1"=100' DATE: 7/13/16 FILE NO. 2015-23 SHEET 1 OF 2 BUSHNELL ASSOCIATES LLC. CIVIL ENGINEERING AND LAND SURVEYING 563 WOODBRIDGE STREET MANCHESTER, CT. 06042 860-643-7875

|  |                                       |                                     |  |               |                  |
|--|---------------------------------------|-------------------------------------|--|---------------|------------------|
| TEST PITS OBSERVED BY<br>HOLLY HOOD, RS, SASATERN HIGHLANDS HEALTH DISTRICT<br>AND ANDREW BUSHNELL, PE 8/19/2015 |                                       |                                     | LOT 1 (EXISTING HOUSE, LONG HILL ROAD)<br>PRE-SOAK 9:18 AM 8/20/15<br>DRY START AT 11:00 AM<br>23" DEEP HOLE |               |                  |
| TEST PIT 1   | 0-10" TOPSOIL                         | 10-24" ORANGE BROWN FINE SANDY LOAM | TIME (MIN.)  | READING (IN.) | DIFFERENCE (IN.) |
|  | 24-64" VERY FINE GREY SAND TILL       | ROOTS TO 45"                        | 0  | 4"            | ---              |
|  | NO MOTTLING - INDETERMINATE           |                                     | 5  | 6"            | 2"               |
| TEST PIT 2   | 0-12" TOPSOIL                         | 12-39" ORANGE BROWN FINE SANDY LOAM | 10   | 7 1/8"        | 1 1/8"           |
|  | 39-79" VERY FINE GREY SAND TILL       | ROOTS TO 45"                        | 15   | 8 1/2"        | 1 3/8"           |
|  | NO MOTTLING                           |                                     | 20   | 9 3/8"        | 1 1/2"           |
|  |                                       |                                     | 25   | 10"           | 5/8"             |
|  |                                       |                                     | 30   | 10 5/8"       | 5/8"             |
|  |                                       |                                     | 35   | 11 1/4"       | 5/8"             |
|  |                                       |                                     | 40   | 11 5/8"       | 3/8"             |
|  |                                       |                                     | 45   | 12"           | 3/8"             |
| TEST PIT 3   | 0-20" TOPSOIL                         | 20-45" ORANGE BROWN FINE SANDY LOAM | 50   | 12 1/2"       | 1/2"             |
|  | 45-88" VERY FINE, FINE GREY SAND TILL | ROOTS TO 45"                        | 55   | 13"           | 1/2"             |
|  | NO MOTTLING                           |                                     | 60   | 13 1/4"       | 1/4"             |
|  |                                       |                                     | 65   | 13 1/2"       | 1/4"             |
|  |                                       |                                     | 70   | 13 3/4"       | 1/4"             |
|  |                                       |                                     | 75   | 14"           | 1/4"             |
|  |                                       |                                     | 80   | 14 1/4"       | 1/4"             |
|  |                                       |                                     | 85   | 14 1/2"       | 1/4"             |
|  |                                       |                                     | 90   | 15"           | 1/4"             |

PERCOLATION RATE = 10-20 MIN/IN.



## LEGEND

- IRON ROD TO BE SET
- ⊙ EXISTING WELL
- ⊙ EXISTING UTILITY POLE
- EXISTING CONTOUR
- - - - PROPOSED CONTOUR
- ⊙ TEST HOLE
- ▲ PERC PERCOLATION TEST
- B.L./R.Y./S.Y. --- BUILDING LINE/REAR YARD/SIDEYARD

THE LOCATIONS OF UTILITIES SHOWN ON THIS MAP ARE APPROXIMATE. THE LOCATIONS WERE DERIVED FROM FIELD LOCATIONS AND/OR EXISTING MAPPING. ADDITIONAL UTILITIES NOT SHOWN ON THIS MAP MAY EXIST. THE OWNER OR CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG (1-800-922-4455) PRIOR TO THE START OF ANY CONSTRUCTION TO VERIFY UTILITY LOCATIONS.

|  |   |                 |
|--|---|-----------------|
|  | <b>PLAN PREPARED FOR</b><br><b>JOSHUA G. CLARK &amp; CHRISTOPHER L. WIERZBICKI</b><br>64 LONGHILL ROAD ANDOVER, CT. |                 |
|  | <b>B-100a SEPTIC PLAN</b>   |                 |
|  | SCALE: 1"=20'   | DATE: 7/25/2016 |
|  | FILE NO. 2015-23  | SHEET: 1 OF 1   |
| <b>BUSHNELL ASSOCIATES LLC.</b><br>CIVIL ENGINEERING AND LAND SURVEYING<br>563 WOODBRIDGE STREET MANCHESTER, CT. 06042<br>860-643-7875 |   |                 |
| REVISIONS:   |   |                 |

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

ANDREW F. BUSHNELL P.E. L.S. 24591  
THIS MAP IS NOT VALID UNLESS IT BEARS THE EMBOSSED SEAL OF THE LICENSED LAND SURVEYOR WHOSE REGISTRATION NUMBER AND SIGNATURE APPEAR ABOVE.

Lwmc 23-13  
64 Long Hill Rd  
Submitted 9.6.23