

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 OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON AUGUST 29, 2019. IT IS A GENERAL LOCATION SURVEY MAP BASED ON A RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS D AND TOPOGRAPHICAL SURVEY ACCURACY CLASS T-2. THIS MAP WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, 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 LOCATION OF THE EXISTING SITE FEATURES SHOWN AND PROPOSED SEPTIC SYSTEM WITH RESPECT TO THE APPLICABLE MUNICIPAL OR STATUTORY REQUIREMENTS TO OBTAIN A SEPTIC REPAIR PERMIT. THIS MAP IS TO BE USED FOR THE STATED INTENT AND FOR THE PARTIES THE PLAN HAS BEEN PREPARED FOR ONLY. ANY USE OF THIS PLAN FOR OTHER USES OR BY OTHER PARTIES WILL RENDER ANY CERTIFICATIONS CONTAINED HEREON NULL AND VOID. ANY MODIFICATIONS TO THIS PLAN NOT COMPLETED BY BUSHNELL ASSOCIATES LLC. WILL RENDER ANY CERTIFICATIONS CONTAINED HEREON NULL AND VOID.

2.) TOPOGRAPHY DEPICTED WAS FIELD DERIVED BY BUSHNELL ASSOCIATES LLC. USING AN ASSUMED DATUM AND BENCHMARK SHOWN.

MAP REFERENCES:

1.) PROPERTY SURVEY PREPARED FOR J & C, LLC 77 LAKESIDE DRIVE ASSESSOR'S MAP 44 / BLOCK 47 / LOT 55A & 79 LAKESIDE DRIVE ASSESSOR'S MAP 44 / BLOCK 47 / LOT 53 ANDOVER, CONNECTICUT DRAWN BY: K.J.P. SCALE: 1 INCH = 20 FEET DATE: SEPTEMBER 12, 2022 EXISTING CONDITIONS SHEET: 1 OF 1

CONSTRUCTION NOTES:

1.) OWNER OR CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

2.) OWNER OR CONTRACTOR TO VERIFY ALL DIMENSIONS AND INFORMATION CONTAINED ON THIS PLAN PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.

3.) AN AS-BUILT PLAN SHALL BE SUBMITTED (WITH TIES AND ELEVATIONS) TO THE EASTERN HIGHLANDS HEALTH DISTRICT WITH DISTANCES TO FLOW LINE AT THE HOUSE, INLET AND OUTLET COVER OF TANK, D-BOXES, CLEANOUTS AND ENDS OF LEACHING ROWS, WELL, FOOTING/CURTAIN DRAINS AND BETWEEN TIE POINTS. IN ADDITION, PROVIDE THE NAME OF INSTALLER, DATE, HOUSE LOCATION AND STREET/DIRECTIONAL ARROW.

4.) ALL TANKS REQUIRING RISERS SHALL MAINTAIN THE ORIGINAL COVERS ON THE TANKS, HAVE RISER COVERS THAT WEIGH AT LEAST 50 LBS. AND/OR INSTALL A SAFETY DEVICE BELOW THE RISER TO PREVENT INDIVIDUALS FROM FALLING INTO A TANK. ALL BELOW GRADE TANK OR RISER COVER HANDLES SHALL CONTAIN OR BE FITTED WITH A MATERIAL THAT CAN BE LOCATED WITH A METAL DETECTOR.

5.) THE EXISTING LEACHING SYSTEM SHALL BE DISCONNECTED, FAILURE AREA COVERED WITH MATERIAL AND ANY HOLLOW STRUCTURES (D-BOXES ETC) ABANDONED BY THE LICENSED INSTALLER.

LAKESIDE DRIVE

N/F
RICHARD RISLEY JR. & LOUISE REAGAN
85 LAKESIDE DRIVE
(NO WELL WITHIN 75 FT. OF PROPOSED SEPTIC SYSTEM AT 79 LAKESIDE DRIVE)

GRAVEL DRIVEWAY

N/F
J&C LLC
77 LAKESIDE DRIVE
(NO WELL WITHIN 75 FT. OF PROPOSED SEPTIC SYSTEM AT 79 LAKESIDE DRIVE)

ANDOVER LAKE

LEGEND

- EXISTING IRON ROD
- PROPOSED WELL
- PROPOSED SILT FENCE
- STONE WALL
- EXISTING UTILITY POLE
- PROPOSED SPOT GRADE
- EXISTING SPOT GRADE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- TEST HOLE
- PERCOLATION TEST
- EXISTING TREE

UTILITIES SHOWN ON THIS MAP WERE DERIVED FROM FIELD LOCATIONS AND EXISTING MAPPING CONTRACTOR TO VERIFY LOCATIONS AND DEPTH IN THE FIELD PRIOR THE START OF ANY CONSTRUCTION. *CALL BEFORE YOU DIG (1-800-922-4455).*

PLAN PREPARED FOR

J&C LLC

79 LAKESIDE DRIVE ANDOVER, CT.

SEPTIC REPAIR PLAN

SCALE: 1"=10' DATE: 5/9/2023 FILE NO. 2022-125 SHEET: 1 OF 2

BUSHNELL ASSOCIATES LLC.
CIVIL ENGINEERING AND LAND SURVEYING
563 WOODBRIDGE STREET MANCHESTER, CT. 06042
860-643-7875

REVISIONS:

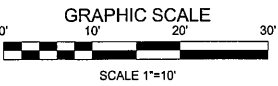
TEST PIT - 1
0-11" TOPSOIL
11-52" BROWN FINE SANDY LOAM
52-84" GREY/BROWN FINE SAND AND GRAVEL
LITTLE SILT SLIGHTLY COMPACT
NO MOTTLING
NO LEDGE
NO SEEPAGE
ROOTS TO 50"

PERCOLATION TEST RESULTS
PERFORMED BY - BUSHNELL ASSOCIATES LLC
MAY 10, 2023
PRE-SOAK 1:45 PM
START @ 2:05 PM
32" DEEP HOLE

TIME	READING	DIFFERENCE
0	16 1/2"	
5	21 1/2"	5"
10	24 1/2"	3"
15	25 1/2"	1"
20	26 1/2"	1"
25	27 1/2"	1"
30	DRY	

PERCOLATION RATE = 1-10 MIN./IN.

TEST PIT - 2
0-15" TOPSOIL AND SANDY FILL
16-50" BROWN FINE SANDY LOAM
50-74" GREY/BROWN FINE SAND AND GRAVEL
LITTLE SILT SLIGHTLY COMPACT
NO MOTTLING
NO LEDGE
NO SEEPAGE
ROOTS TO 50"



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.

IWWC 23-09 79 Lakeside (Phillips) Submitted 07/25/2023

[illegible]

SEPTIC SYSTEM DESIGN NOTES AND COMMENTS

SEPTIC SYSTEM DESIGN AND INSTALLATION TO COMPLY WITH CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS REVISIO

JANUARY 1, 2023 AND THE MANHOLE WASTEWATER LEACHING SYSTEM CONNECTION DESIGN & INSTALLATION MANUAL DATED MARCH 2017.

MINIMUM LEACHING SYSTEM SPREAD (MLSS) CALCULATION:

NUMBER OF BEDROOMS 3

PERCOLATION RATE: 1-10 MIN INCH

RESTRICTIVE LAYER: 60" TH-2 NONE

GROUND SLOPE: 15%

MLSS: 10 H.F. X 5.5 F.F. X 1.0 P.F. = 15 FT. MINIMUM

REQUIRED: 1,000 GALLON TWO-COMPARTMENT TANK

AND 185 SQ. FT. OF EFFECTIVE LEACHING AREA

PROVIDED: 1,000 GALLON TWO-COMPARTMENT SEPTIC TANK

REQUIRED TO LESS THAN 12 INCH FINAL GRADE

AND 25 FEET (10 UNITS) OF ELBEN MANHOLE COURSE WIDE (10.564" HIGH) LEACHING UNITS

BACKFILLED WITH ELBEN MANHOLE SAND (EFFECTIVE LEACHING CREDIT 20.0 SQ. FT./FT.)

WITH AN EFFECTIVE LEACHING AREA OF 500 SQ.FT. WITH HOUSE SEWER PIPE OF 4 DIA.

SCHEDULE - 40 ASTM D-1785 / ASTM A-2685.

MANHOLE UNIT BOTTOMS TO BE NO LESS THAN 32" BELOW GRADE.

MANHOLE LEACHING UNITS TO BE CUT TO LENGTH PER MANUFACTURER SPECIFICATIONS

WHEN NECESSARY,

THE SEPTIC SYSTEM AREA SHALL NOT BE DISTURBED PRIOR TO STAKEOUT

OF THE SYSTEM BY THE DESIGN ENGINEER.

THE DESIGN ENGINEER SHALL STAKE OUT THE SEPTIC SYSTEM AND SET A LOCAL BENCHMARK

ELBEN MANHOLE SPECIES AND REQUIREMENTS (INSTALLER TO SUPPLY A COPY OF A SEW

UNITS MEETS THE SPECIFICATION REQUIREMENTS BELOW) (ASTM C93)

[illegible]