

## GENERAL NOTES

DESIGN ENGINEER.

- A. PROPOSED THREE BEDROOM HOME. NO TUBS GREATER THAN 100 GALLONS 1. THIS LOT WAS TOPOED IN THE AREA OF THE HOUSE AND SEPTIC BY DIETER & GARDNER, INC. LAND SURVEYORS IN MARCH 2022.
- B. 1000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND

  2. SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS 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 THE DESIGN ENGINEER. SELECT FILL EXCEEDING 6% PASSING THE #200 SIEVE BASED ON A WET SIEVE TEST CANNOT BE APPROVED BY THE
  - 1. THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3)

2. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED

ON THE #4 SIEVE. NOTE: THIS IS THE GRAVEL PORTION OF THE SAMPLE. 3. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE

4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SIEVE SIZE -	PERCENT PASSING		
SIEVE SIZE	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%.

SELECT FILL THAT DOES NOT MEET THE DRY SIEVE GRADATION CRITERIA BUT MEETS THE WET SIEVE GRADATION CRITERIA IS ACCEPTABLE. SIEVE TESTING OF SELECT FILL IS REQUIRED FOR LARGE (2,000 GPD OR GREATER) SYSTEMS WHENEVER THE LEACHING SYSTEM IS LOCATED TOTALLY IN SELECT FILL. THE LOCAL DIRECTOR OF HEALTH MAY REQUIRE SIEVE TESTING OF SELECT FILL ON LESS THAT 2,000 GPD SEWAGE SYSTEMS IN ACCORDANCE WITH PHC SECTION 19-13-B103e (D) (6).

THE LICENSED INSTALLER IS RESPONSIBLE FOR PREPARING THE LEACHING AREA WITH NECESSARY SELECT FILL. THE TOPSOIL IN THE LEACHING SYSTEM AREA MUST BE REMOVED AND THE SUBSOIL SCARIFIED PRIOR TO SELECT FILL PLACEMENT UNLESS OTHERWISE DIRECTED BY THE DESIGN ENGINEER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOIL FROM OVER COMPACTION OR DAMAGE. THE INSTALLER IS RESPONSIBLE FOR PROPERLY COMPACTING SELECT FILL TO FACILITATE CONSTRUCTION AND TO PREVENT SETTLING. SELECT FILL SHALL EXTEND A MINIMUM OF FIVE (5) FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE LEACHING SYSTEM.

THE COMMISSIONER OF PUBLIC HEALTH MUST APPROVE MANUFACTURED FILL. ROCK USED TO PRODUCED MANUFACTURED FILL MUST HAVE A LOSS OF ABRASION OF NOT MORE THAN 50% USING AASHTO METHOD T-96, AND WHEN TESTED FOR SOUNDNESS USING AASHTO METHOD T104 NOT HAVE A LOSS OF MORE THAN 15% AT THE END OF 5 CYCLES. SUPPLIERS OF MANUFACTURED FILL MUST MAKE APPLICATION FOR APPROVAL TO THE COMMISSIONER OF PUBLIC HEALTH. DOCUMENTATION MUST BE SUBMITTED ON THE QUARRY OPERATION AND PRODUCTION PROCESS. FILL SPECIFICATIONS (GRADATION, PERMEABILITY, ETC) AND A NARRATIVE OF THE QUALITY CONTROL/QUALITY ASSURANCE PROGRAM MUST ALSO BE INCLUDED FOR ALL ACTIVE QUARRIES. THE MANUFACTURED FILL PRODUCERS MUST PROVIDE ANNUAL PRODUCT REGISTRATIONS TO THE COMMISSIONER OF PUBLIC HEALTH BY JULY 1ST OF EACH YEAR.

3. APPLICANT: PETER C. GARDNER P. O. BOX 335 GALES FERRY CT. 06335 860-464-7455

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- 4. THE FOUNDATION AND SEPTIC SYSTEM SHALL BE STAKED OUT AND A BENCHMARK SET, GRADES ESTABLISHED BY A LICENSED LAND SURVEYOR.
- 5. AT THE TIME OF THIS DESIGN THERE WERE NO EXISTING WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEM. NO SEPTICS SYSTEMS WITHIN 75' OF PROPOSED WELL.

	PERCOLATION TEST P1		F	PERCOLATION TEST P2		
PERFORMED BY JOE BLANCHARD REHS/RS, LEDGE LIGHT HEALTH DISTRICT ON APRIL 7, 2022 DEPTH 25.5" PRESOAK 30 MINS.		L	PERFORMED BY JOE BLANCHARD REHS/RS, LEDGE LIGHT HEALTH DISTRICT ON APRIL 7, 2022			
				DEPTH 18" PRESOAK 30 MINS.		
	TIME	READING		TIME	READING	
	9:57	16"		0:00	6"	
	9:58	18"	1	0: 01	8"	
	9:59	19"	1	0:02	9"	
	10:01	21.5"		0: 04	10"	
	10:03	22.5"		0: 06	11"	
	10: 05	23.5"		0: 08	12"	
	10:07	24.5"		0:10	13"	
	10:09	EMPTY	1	0:12	14"	
			1	0:14	14.75"	
			1	0:16	15.5"	
				0.10	1C OF"	

## ZONING COMPLIANCE TABLE R-60 ZONE 894R IN AN INTERIOR LOT

05+11	IN AN INTERIOR LOT		
ITEM	REQUIRED/ALLOWED	PROVIDED	
MIN. LOT AREA	90,000 Sq. Ft.	1,219,700± Sq. Ft.	
MIN. FRONT YARD	50'	1630'±	
MIN. SIDE YARD	60'	51.0'	
MIN. REAR YARD	40'	619.1'	
BUILDING HEIGHT	35'	28±'	

## PLAN SHOWING

PROPOSED HOUSE, WELL, DRIVE

AND SEPTIC SYSTEM

PROPERTY OF

JACOB E. FEDORS

MARY E. MALERBA

894R COLONEL LEDYARD HIGHWAY LEDYARD, CONNECTICUT

SCALES AS SHOWN

APRIL 2022

REVISED: JUNE 15, 2022 REVISED: JULY 12, 2022

SHEET 2 OF 2

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 ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS AN IMPROVEMENT LOCATION SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS "D" & A TOPOGRAPHIC SURVEY BASED ON TOPOGRAPHIC ACCURACY T-2.
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

TITLE: LAND SURVEYOR CT No. 14208 DATE: APRIL 18, 2022