

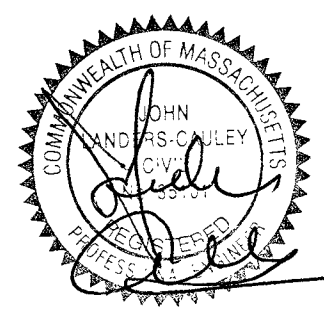
PROFILE OF SEWAGE DISPOSAL SYSTEM
 NOT TO SCALE

GENERAL NOTES:

- THIS PLAN IS FOR THE REPAIR OF AN EXISTING SEWAGE DISPOSAL SYSTEM.
 - PLAN REFERENCE DEED LOT 4 A BARNSTABLE REG. OF DEEDS.
 - THIS PLAN IS FOR THE INSTALLATION /REPAIR OF SEPTIC SYSTEM AND NOT TO BE USED FOR SURVEYING AND ZONING PURPOSES.
 - ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO D.E.P. TITLE 5 AND THE TOWN OF BOURNE RULES AND REGULATIONS FOR THE SUBSURFACE DISPOSAL OF SEWAGE.
 - ALL COVERS TO SANITARY UNITS SHALL BE BROUGHT TO WITHIN 6" OF THE FINISHED GRADE.
 - EXISTING AND FINAL GRADES SHALL REMAIN ESSENTIALLY THE SAME, UNLESS NOTED BY FINAL CONTOURS.
 - ALL COMPONENTS OF THE SANITARY SYSTEM SHALL BE CAPABLE OF WITHSTANDING H-10 LOADING UNLESS THEY ARE UNDER OR WITHIN 10' OF DRIVES OR PARKING AREAS. H-20 LOADING SHALL BE USED UNDER OR WITHIN 10' OF DRIVES OR PARKING AREAS UNLESS NOTED.
 - ANY MASONARY UNITS USED TO BRING COVERS TO GRADE SHALL BE MORTARED IN PLACE.
 - NO DETERMINATION HAS BEEN MADE AS TO COMPLIANCE WITH DEEDED OR ZONING REGULATIONS. OWNER/APPLICANT IS TO OBTAIN SUCH DETERMINATION FROM APPROPRIATE AUTHORITY.
 - THE EXCAVATOR/CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.
 - UNTIL APPROVAL FROM THE BOARD OF HEALTH IS GRANTED, THIS PLAN IS SUBJECT TO CHANGE.
 - ALL ELECTRICAL WORK SHALL BE DONE BY A LICENSED ELECTRICIAN.
 - THE ALARM FOR THE PUMP UNIT SHALL BE ON A DEDICATED CIRCUIT.
 - ALL DETAILS OF THE "FAST" SYSTEM INSTALLATION ARE INCLUDED IN THE ATTACHED DOCUMENTS PROVIDED BY BIO-MICROBICS.
 - THE PIPING INSIDE THE PUMP CHAMBER, FROM THE PUMP, SHALL BE PLACED TO PROVIDE UNIMPEDED ACCESS TO THE PUMP CHAMBER.
 - THE PUMP SHALL BE PLACED ON A 4" TALL PAD.
- ** THE PUMP CYCLE SHALL BE SET FOR A 100 GALLON DISCHARGE.

NOTE: THE TOWN OF BOURNE REQUIRES THE ENGINEER TO INSPECT AND LOCATE ALL SEPTIC COMPONENTS, INCLUDING INVERTS, AFTER THEY HAVE BEEN INSTALLED AND BEFORE THEY ARE BACKFILLED.

SOIL TEST DONE BY: J.E. LANDERS-CAULEY P.E.
 WITNESSED BY: TERRI GUARINO
 PERCOLATION RATE: 2 MIN/INCH P# NONE
 TEST HOLE 1 DATE: 11/18/20 ELEV. 13.0



I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 310 CMR 15.017 TO CONDUCT SOIL EVALUATIONS AND THAT THE ANALYSIS GIVEN HAS BEEN PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE, AND EXPERIENCE DESCRIBED IN 310 CMR 15.017. I FURTHER CERTIFY THAT THE RESULTS OF MY SOIL EVALUATION, AS INDICATED ON THE ATTACHED SOIL EVALUATION FORM, ARE ACCURATE AND IN ACCORDANCE WITH 310 CMR 15.000 THROUGH 15.017.

DESIGN DATA:

NUMBER OF BEDROOMS 3
 GARBAGE DISPOSAL NONE (0)
 TOTAL ESTIMATED FLOW 330 GPD
 (110 GAL./BR./DAY X 3 BR.)
 SEPTIC TANK CAPACITY 1,000/500
 LEACHING AREA REQUIREMENTS
 SIDEWALL AREA 150.00 S.F.
 BOTTOM AREA 312.50 S.F.
 LEACHING CAP.(BOT. & SIDEWALL) 342.25 GAL.
 RESERVE LEACHING CAPACITY N/A GAL.

DEPTH	HORIZON	TEXTURE	COLOR	MOTT.	OTHER
0"-8"	O/A	SANDY LOAM	10YR 3/3		
8"-34"	B	SANDY LOAM	10YR 5/6		
34"-132"	C1	M-F SAND	2.5Y 6/4	MOTT. @ 87"	WEeping @ 126"

DEPTH	HORIZON	TEXTURE	COLOR	MOTT.	OTHER

APPLICANT: BRETT ELLIS
 REVISED: 12/28/21 JDR

DATE: 03/01/21
 SHEET 2 OF 2 JOB # 3278