

AISTING CONTOUR AISTING SPOT ELEVATION OPOSED CONTOUR RCOLATION TEST WAGE LINE PROXIMATE PROPERTY LINE //ERHEAD WIRE OR IDERGROUND ELECTRIC	 Notes <u>Seneral Notes</u> 1. This Plan is to be used only for the permitting and installation of a sewage disposal system. It is not to be used for any other purpose. 2. No changes to this plan are permitted without the prior written approval of sourati engineering group, LLC. 3. Installation shall be in strict conformity with title 5 of the massachusetts state sanitary code and the rules + regulations of the town of west tisbury board of health. 4. Machinery that May disturb pipe alignment in the disposal system shall not be used on the disposal area. 5. No existing wells were found within bo' from the proposed soil absorption system, or within so' from the seric tank. 6. Finished surface of leaching area shall be graded to insure runoff (22 minimum slope). 7. The seric tank. And the distribution box shall be either: a. Watertight according to manufacturer's specifications and warranty, or b. Made watertight by the wanufacture equipment supplice of grade on a level stable base that has been mechanically compacted and onto which 6 inches of crushed store to grade on a level stable base that has been mechanically compacted and onto which 6 inches of crushed store base that mas been placed to minimize uneven settling. a. All system components shall be constructed of corrosion resistant materials. b. All piping shall be a minimum of schedule 40 pvc unless otherwise noted. d. Distribution box outlet lines shall be level for a minimum of the pression resistant materials.
	CONSTRUCTION IN FILL: 1. FILL MATERIAL FOR SYSTEMS CONSTRUCTED IN FILL SHALL CONSIST OF SELECT ON-SITE OR IMPORTED SOIL MATERIAL. THE FILL BE COMPRISED OF CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES. MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN TWO INCHES. A SIEVE ANALYSIS. USING A #4 SIEVE, SHALL BE PERFORMED ON A REPRESENTATIVE SAMPLE OF THE FILL. UP TO 45% BY WEIGHT OF THE FILL SAMPLE MAY DE RETAINED ON THE #4 SIEVE. SIEVE ANALYSIS ALSO SHALL DE PERFORMED ON THE #4 SIEVE. SUCH ANALYSIS ALSO SHALL DE PERFORMED ON THE FRACTION OF THE FILL. SAMPLE PASSING THE #4 SIEVE. SUCH ANALYSES MUST DEMONSTRATE THAT THE MATERIAL MEETS EACH OF THE FOLLOWING SPECIFICATIONS: SIEVE SIZE EFFECTIVE X THAT MUST PARTICLE SIZE PARTI
	PUMP CHAMBER: 1. BASE SECTION SHALL BE MONOLITHICALLY CAST (REINFORCED CONCRETE) AND SHALL HAVE A MINIMUM RISE OF 30" BEFORE ANY JOINT. 2. BOTTOM SLAB OF BASE SECTION SHALL BE AT LEAST 4" IN THICKNESS. 3. THE CHAMBER SHALL BE CLEANED OUT, MADE WATER TIGHT, AND TEST DURING FINAL INSPECTION BY THE CONTRACTOR. THE EXTERIOR WALLS SHOULD BE SPRAYED OR PAINTED WITH A WATERPROOF COMPOUND AND ALL PIPE INLETS OR CONNECTIONS SHALL BE MADE WATERTIGHT. 4. THE CHAMBER SHALL BE EQUIPPED WITH ONE 20" MANHOLE WITH A READY REMOVABLE WATERTIGHT COVER OF DURABLE MATERIAL. THE ACCESS COVER SHALL BE LOCATED WITHIN 6" OF FINAL GRADE.
	PUMP: 1. THE PUMP TO BE INSTALLED IN THE PUMP CHAMBER SHALL CONSIST OF ONE (1) ME45AC-11 MYERS HEAVY-DUTY SUBMERSIBLE SEWAGE PUMP OR APPROVED EQUAL. THE PUMP MUST HAVE A CAPACITY OF 30 GPW AGAINST A HEAD OF 15'. MOTORS TO BE 0.5 HP, SINGLE PHASE, 60 CYCLE, 115 VOLTS A.C., ELECTRICAL SERVICE FOR PUMPS MUST BE ON A SEPARATE CIRCUIT BREAKER NOT IN COMMON WITH THE HIGH WATER ALARM. 2. THE PUMP SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURES SPECIFICATIONS. 3. THE PUMP AND ALARM REQUIRE PERIODIC OR ROUTINE INSPECTION AND MAINTENANCE SHALL BE OPERATED, INSPECTED AND MAINTAINED IN STRICT ACCORDANCE WITH THE MANUFACTURE'S SPECIFICATIONS. IN NO INSTANCE SHALL INSPECTION BE PERFORMED LESS FREQUENTLY THAN ONCE EVERY THREE MONTHS. THE RESULTS OF SUCH INSPECTIONS SHALL BE SUBMITTED TO THE APPROVING AUTHORITY.
	ALARMS AND SWITCHES: 1. THE ON-OFF SWITCHES MUST BE BUILT INTO THE PUMP AND MOTOR ASSEMBLY OR SET AS PER THE DESIGN PLAN. 2. THE HIGH WATER ALARM SWITCH MUST BE SET TO THE ELEVATION SHOWN ON THE DESIGN PLAN ATTACHED AND CONSIST OF A MERCURY FLOAT TYPE. THE HIGH WATER ALARM PANEL MUST BE INSTALLED IN THE MAIN HOUSE SO AS TO BE EASILY HEARD WHEN ACTIVATED. THIS ALARM MUST BE CONNECTED TO A SEPARATE ELECTRICAL CIRCUIT NOT COMMON WITH THE PUMP AND MOTOR ASSEMBLY. 3. THE PUMP CONTROLS SHALL BE MOISTURE PROOF.
	FORCE MAIN: 1. ALL PIPING FROM THE PUMP CHAMBER TO THE LEACHING AREA SHALL CONSIST OF 2" DIAMETER PVC SCHEDULE 40 PIPE, UNLESS OTHERWISE NOTED ON THE DESIGN PLAN. 2. FORCE MAINS SHALL BE COVERED WITH A MINIMUM OF THREE (3) FEET OF COVER MATERIAL. THE COVER MATERIAL SHALL CONSIST OF CLEAN COMPACT SAND FREE OF LARGE STONES OR OBJECT FOR A DISTANCE OF 6" AROUND THE FORCE MAIN FOR PROPER BEDDING.
	Design Computations: HYDRAULIC LOADING 1 BEDROOM AT 110 GPD = 110 GPD A GARBAGE DISPOSAL IS NOT ALLOWED IN THIS DESIGN. SEPTIC TANK SIZE INCREASE FLOW TO 200% (TITLE V) = 220 GALLONS USE 1,500 GALLON SEPTIC TANK.
REFERENCE: 102715WS	PUMP CHAMBER SIZE USE 1,000 GALLON PUMP CHAMBER. LEACHING CAPACITY USE EXISTING 5-BEDROOM CAPACITY LEACHING FIELD.
	Septic Tank and Pump Chamber Plan In The Town Of West Tisbury
	Site:Owner:Proposed Garage/One Bedroom ApartmentOwner:Map 17, Parcel 1331901 Brighton Dam Road225 Great Plains RoadBrookville, MD 20833Scale:As ShownDate:December 7, 2023
	Job No.: 102715 Drawn By: H. Chen A Drawing No.: 102715 Septic Tank Plan Designed By: H. Chen A Sheet 1 of 1 Checked By: G. Sourati Image: Sourati Figure of the sine sine of the sine of the sine of the sine of the sine sine of the
 DWG's prepared by SEG\102715	$ \bigcirc Group LLC \qquad Phone: (508) 693-9933 $