



Schedule of Elevations

	Finished Grade Above Structure	Finished Grade Above Structure
Top of foundation:	30.50	
Basement floor:	23.00	
Invert of pipe at foundation:	27.00	29.5
Invert at MicroFAST 0.9 tank inlet:	26.00	
Invert at MicroFAST 0.9 tank outlet:	25.75	29.5
Invert at distribution box inlet:		25.67
Invert at distribution box outlet:		25.50
Invert at infiltrator inlet:		25.42
Elevation of field bottom:		24.50

Deep Test Pit 1 (Surface Elevation: 29.9)

depth	horizon	soil description
0"-5"	A	Sandy LOAM
5"-34"	B	Silt LOAM with Clay
34"-60"	C1	Sandy LOAM
60"-129"	C2	m-c SAND

Groundwater was not encountered at a depth of 126" (elevation: 19.4)

Deep Test Pit 2 (Surface Elevation: 29.2)

depth	horizon	soil description
0"-4"	A	Sandy LOAM
4"-34"	B	Sandy LOAM
34"-58"	C1	Sandy LOAM
58"-114"	C2	m-c SAND

Groundwater was not encountered at a depth of 114" (elevation: 19.7)

Percolation Test Data

Test Pit #	DATE	depth from top of pit	elevation	Rate: minutes per inch
1	12/13/13	60"	24.9	<2
2	12/13/13	36"	26.2	<2

MicroFAST 0.9 System Notes:

- An copy of a signed operation and maintenance contract for the proposed MicroFAST 0.9 system (General Permit) shall be filed with the West Tisbury Board of Health prior to release of a Disposal Works Construction Permit
- MicroFAST 0.9 unit may be internal or top mounted (top mount shown)
- FAST blower assembly may be mounted in a sub-grade vault supplied by Bio-Microbics (above grade shown) provided that air supply lines pitch to septic tank at a minimum of 0.5% slope
- Contact information for MicroFAST 0.9 system:
Michael Moreau at J&R Sales and Service
44 Commercial Street
Raynham, MA 02767

Project Notes:

- No wells were found within 150' of the proposed leaching field
- No leaching facilities were found within 150' of the proposed well
- Engineer to inspect excavation of leaching field at time of construction prior to placement of Infiltrator units

- ### General Notes
- Elevations refer to approximate mean sea level datum
See bench mark on plot plan located on top of concrete bound (elevation: 29.60)
 - Finished grading to be done in accordance with plot plan.
 - Percolation tests to be performed in accordance with the instructions of Title V of the Massachusetts State Environmental Code.
 - All construction to conform to Title V and Board of Health requirements.
 - Septic tank and distribution box shall be watertight after construction, including covers.
 - No driveway, parking or turning area or other impervious areas shall be located above the soil absorption system.
 - No permanent structure may be constructed over the 100% expansion area.
 - Schofield, Barbini & Hoehn Inc. will not be responsible for the performance of the system unless constructed as shown. Any alterations must be approved in writing by Schofield, Barbini & Hoehn Inc.
 - The Board of Health shall require inspection of all construction by the design engineer and by the agent of the Board of Health.
 - The design engineer and the system installer shall certify in writing to the approving authority that the system has been constructed in compliance with the approved plans.
 - For proper performance, the septic tank should be inspected at least once a year and when the total depth of scum and solids exceed 1/3 the liquid depth of the tank, the tank should be pumped.
 - Distribution box cover to be brought to finish grade.

- ### Design Data
- Estimated Hydraulic Loading:
Five + one future bedrooms at 110 gallons per day per bedroom = 660 GPD
Garbage disposal is not allowed with this design.
 - Septic Tank Size:
Required capacity: 660 GPD x 200% = 1320 gallons (min.)
Septic tank provided: 1500 gallon MicroFAST 0.9
 - Design percolation rate: 2 MPI
Soil textural class: I
Loading rate: 0.74 GPD/SF
 - Leaching Area:
Total leaching area provided: 566 SF
 - Maximum Allowable Loading:
566 SF x 1.67 (chamber general permit) x 0.74 GPD/SF = 699 GPD
Actual hydraulic loading: 660 GPD

- ### Legend
- XX---
 - F.G. = XX.X
 - XX
 -
 - P.V.C.
 -
 - E.H.C.I.
 - W —
 - R —
 - O.W. —
- Denotes proposed contour
 - Denotes proposed finished grade
 - Denotes existing contour
 - Denotes test hole location
 - Denotes polyvinyl chloride pipe, Sch. 40, unless noted
 - Denotes catch basin
 - Denotes extra heavy cast iron
 - Denotes water service
 - Denotes approximate property line
 - Denotes overhead wires

Proposed Sewage Disposal System

To Serve a Proposed Five-Bedroom Dwelling
And Future Sixth Bedroom
35 Plum Bush Point Road – Assessor Parcel 35-6.161
West Tisbury, Massachusetts

Applicant: David & Jodi Ephraim Phone: (508) 693-2781
c/o Schofield, Barbini, and Hoehn, Inc.
PO Box 339
Vineyard Haven, MA 02568

date: October 27, 2023
designed by: CPA | drawn by: CPA | checked by: CHD
Schofield, Barbini & Hoehn, Inc.
Land Surveying Civil Engineering

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