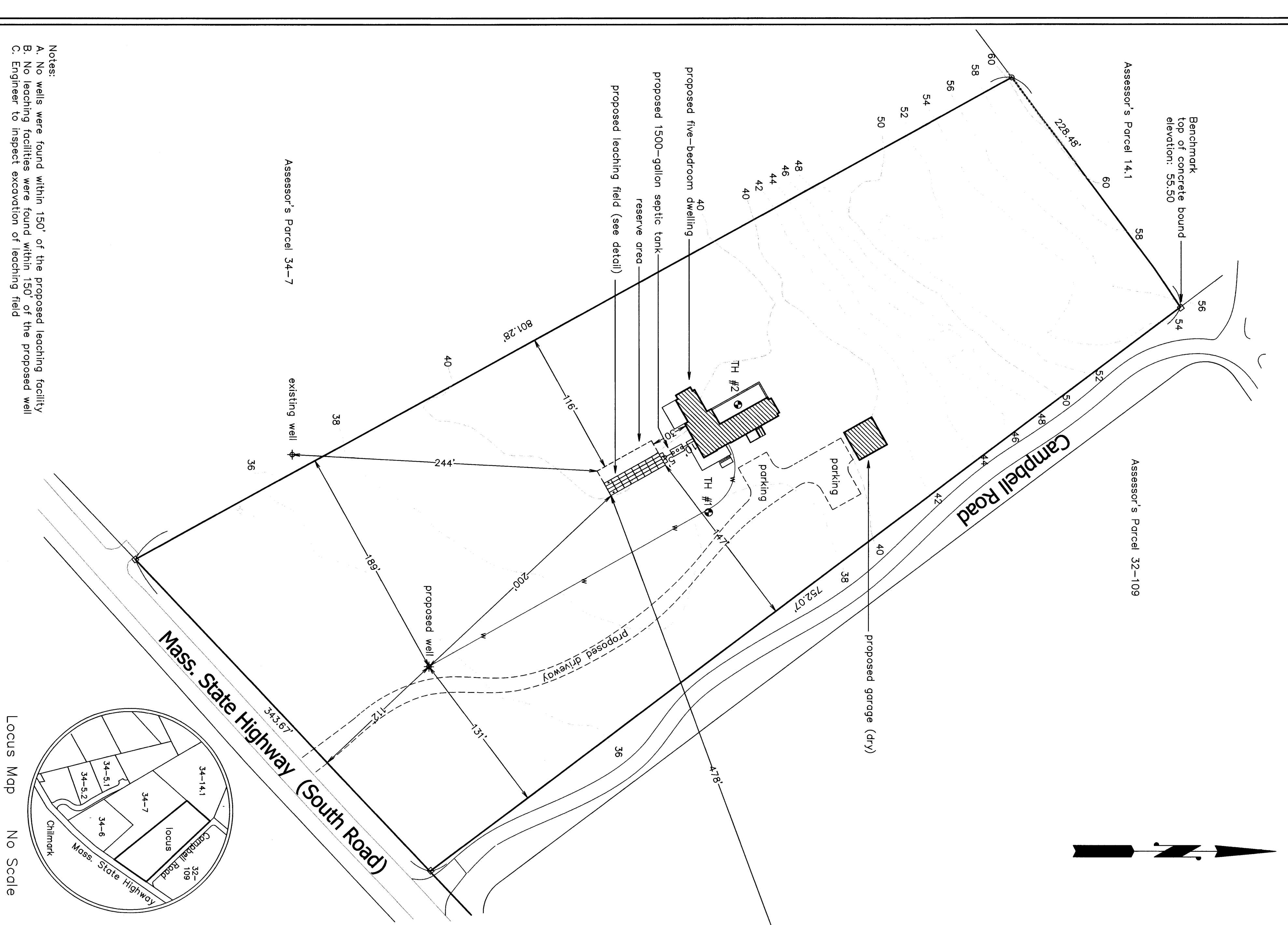
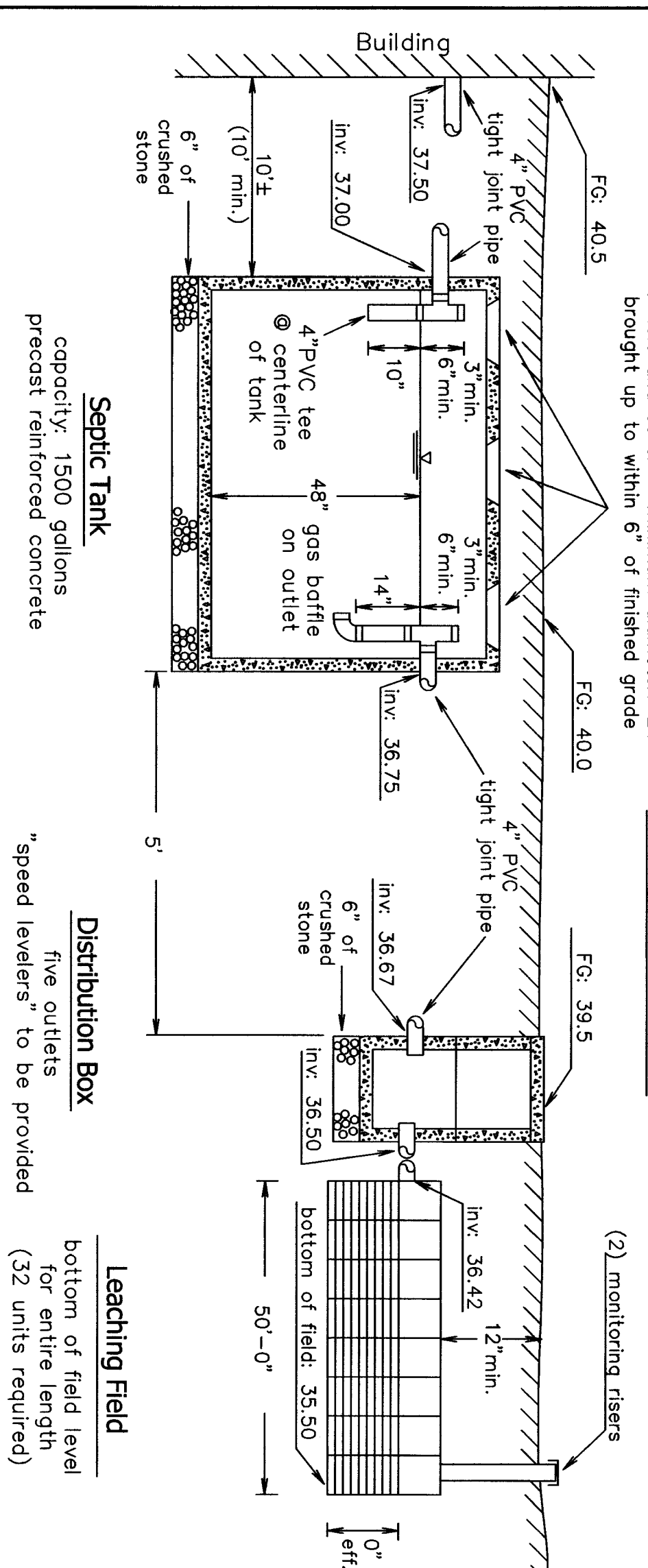


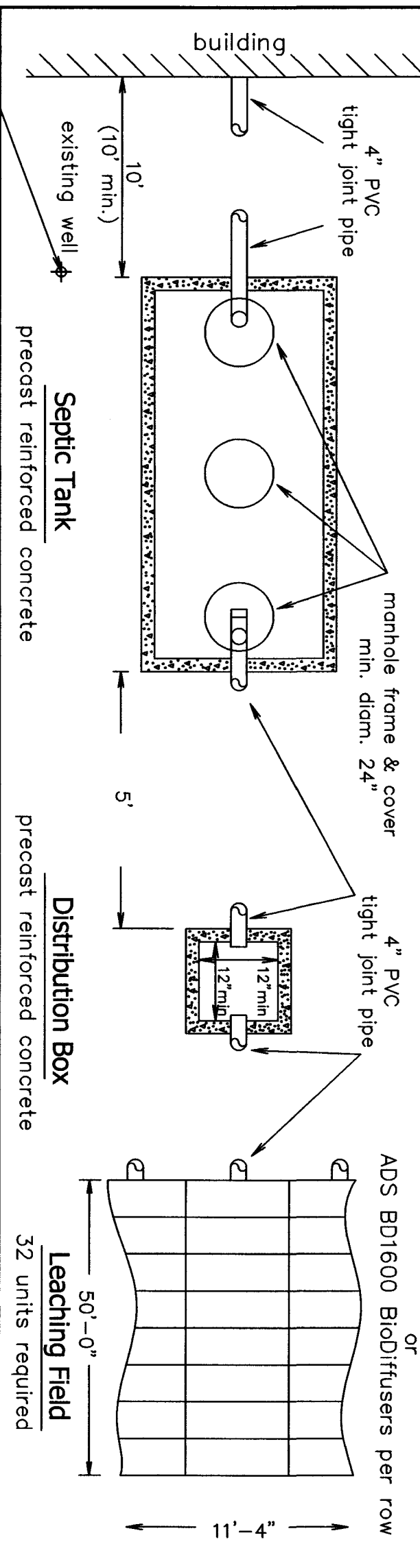
Plot Plan
 scale: 1" = 50'
 lot area: 5,044 ± acres



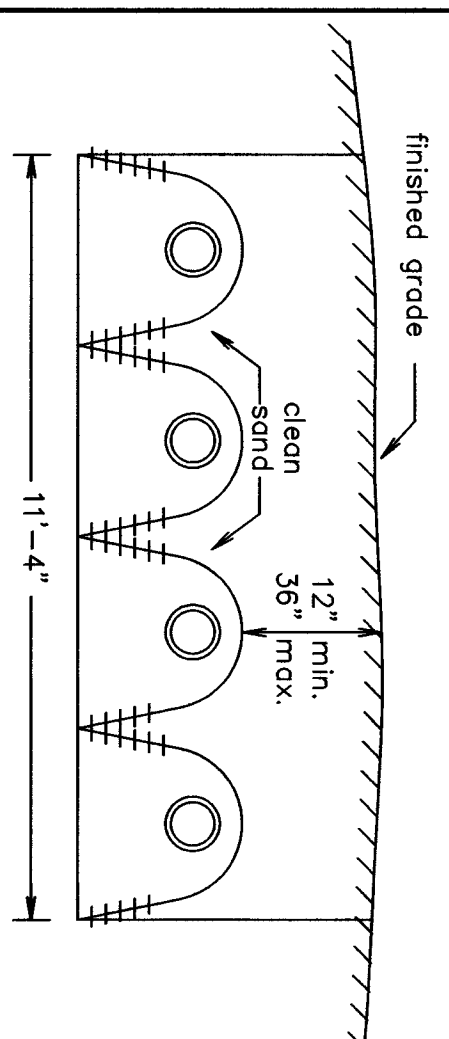
Profile of System



Plan View of System



Partial Leaching Field Cross-Section
 (no scale)



Schedule of Elevations

Top of foundation =	41.50 (verify w/ arch's)	finished grade above structure
Basement floor =	34.00 (verify w/ arch's)	
Inverts at foundation =	37.50	Invert at distribution box outlet = 36.50
		Invert at distribution box inlet = 36.67
		Invert of field bottom = 35.50
		Invert at septic tank inlet = 37.00
		Invert of septic tank outlet = 36.75
		Elevation of field bottom = 35.50

Deep Test Pit No. 1 (Surface Elevation: 38.0)		Deep Test Pit No. 1 (Surface Elevation: 39.3)	
Date:	November 5, 2020	Date:	November 5, 2020
Depth	Horiz.	Depth	Horiz.
0'-8"	A	0'-8"	A
8'-34"	B	8'-54"	B
34'-126"	C	54'-120"	C

Soil Description		Soil Description	
Depth	Horiz.	Depth	Horiz.
0'-8"	A	0'-8"	A
8'-34"	B	8'-54"	B
34'-126"	C	54'-120"	C

Percolation Test Data			
test pit #	date	depth from top of pit	rate of water (mpi)
1	11/5/20	36"	<5

General Notes

- Elevations refer to mean sea level datum (NAVD88). See bench mark on plot plan located on top of concrete bound (elev:55.54).
- 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.
- All topsoil, subsoil and deleterious material, if any, must be excavated and removed below the leaching field and to a distance of n/a feet from all sides of the leaching field. Excavate down to n/a inches below the surface of the natural permeable soil. Backfill as required with materials meeting the requirements of section 15.235(5) of Title V. Construct trenches in this material. (SEE NOTE C)
- 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, Barhini & 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, Barhini & 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 Board of Health that the system complies 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 and one bedrooms at 110 gallons per day per bedroom = 660 GPD Garbage disposal is not allowed with this design.
- Septic Tank Size: Required tank capacity: 660 x 200% = 1320 gallons (minimum) Septic tank provided: two at 1500-gallons
- Design percolation rate: 5 MPI Soil textural class: I Loading rate: 0.74 GPD/SF
- Total leaching area provided: 566 SF
- Maximum Allowable Loading: 566 SF x 1.67 (chamber general permits) x 0.74 GPD/SF = 699 GPD Actual hydraulic loading: 660 GPD

Legend

- XX--- Denotes proposed contour
- FG. = XXX Denotes proposed finished grade
- XX Denotes existing contour
- Denotes test hole location
- P.V.C. Denotes polyvinyl chloride pipe, Sch. 40, unless noted
- E.H.C.I. Denotes extra heavy cast iron
- W Denotes water service
- O.W. Denotes approximate property line
- D Denotes storm drain pipe

Proposed Sewage Disposal System

To Serve a Proposed Five-Bedroom Dwelling and Future One-Bedroom Guest House Assessor Parcel 34-8 West Tisbury, Massachusetts

Applicant: Oliver Ireland
 c/o Schofield, Barhini, & Hoehn, Inc.
 PO Box 339
 Vineyard Haven, MA 02568
 Phone: (508) 693-2781

designed by: CPA
 drawn by: CPA
 checked by: JRL

Schofield, Barhini & Hoehn, Inc.
 Land Surveying
 Civil Engineering

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11.16.20
 MV-70TTZ