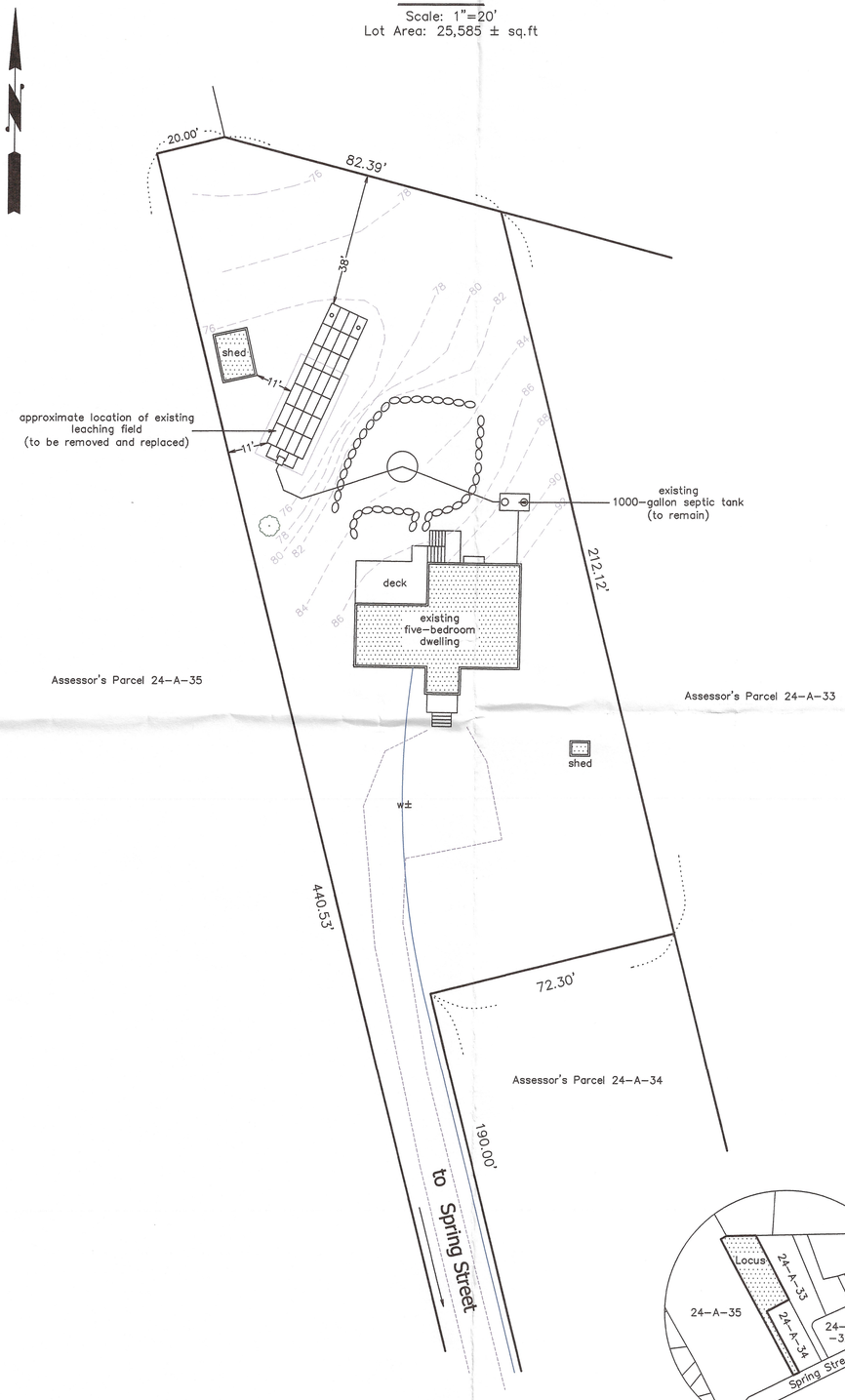
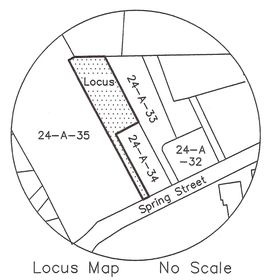
Plot Plan

Scale: 1"=20'
Lot Area: 25,585 ± sq.ft

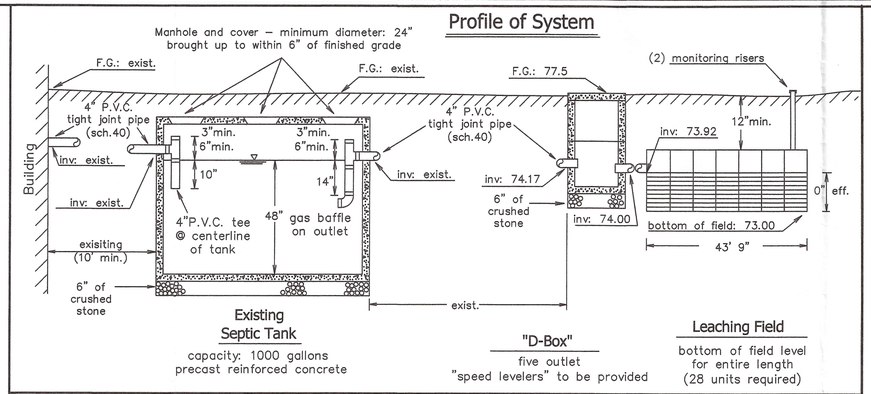




Locus Map No Scale

Notes:
A. Utilities to be located at start of construction and relocated as required
B. Existing leaching pit to be abandoned, pumped, and backfilled with clean sand
C. Existing 1000 gallon tank to be remain
D. Existing invert at septic tank outlet to be verified at start of construction

Profile of System

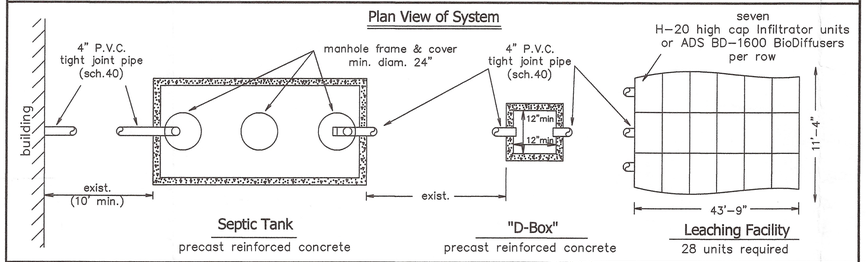


Existing Septic Tank
capacity: 1000 gallons
precast reinforced concrete

"D-Box"
five outlet
"speed levelers" to be provided

Leaching Field
bottom of field level for entire length
(28 units required)

Plan View of System

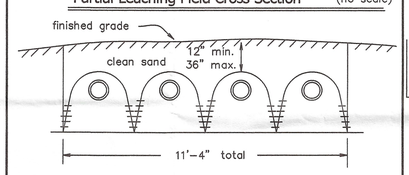


Septic Tank
precast reinforced concrete

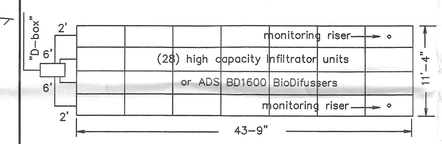
"D-Box"
precast reinforced concrete

Leaching Facility
28 units required

Partial Leaching Field Cross-Section (no scale)



Leaching Facility Detail (no scale)



Schedule of Elevations

		finished grade above structure			finished grade above structure
Top of foundation =	existing		Invert at distribution box inlet =	74.17	
Basement floor =	existing		Invert at distribution box outlet =	74.00	78.0
Inverts at foundation =	existing	existing			
Invert at septic tank inlet =	existing		Invert at infiltrator inlet =	73.92	
Invert at septic tank outlet =	existing	existing	Elevation of field bottom =	73.00	

Deep Test Pit 1 (Surface Elevation: 79.0)
Date: September 18, 2003

Depth	Horiz.	Soil Description
0"–8"	A	Sandy LOAM
8"–48"	B	Loamy SAND
48"–120"	C	SAND

Groundwater was not encountered at a depth of 120" (elevation: 69.0)

Percolation Test Data

test pit #	date	top of 12" of water: depth from top of pit	top of 12" of water: elevation	rate: (mpi)
1	11/18/03	48"	75.0	<5

General Notes

1. Elevations refer to approximate mean sea level datum. See bench mark on plot plan located on (elev: xx.xx')
2. Finished grading to be done in accordance with plot plan.
3. Percolation tests to be performed in accordance with the instructions of Title V of the Massachusetts State Environmental Code.
4. All construction to conform to Title V and Board of Health requirements.
5. 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 15.255(3) of Title V. Construct trenches in this material.
6. Septic tank and distribution box shall be watertight after construction, including covers.
7. No driveway, parking or turning area or other impervious areas shall be located above the soil absorption system.
8. No permanent structure may be constructed over the 100% expansion area.
9. 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.
10. The Board of Health shall require inspection of all construction by the design engineer and by the agent of the Board of Health.
11. 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.
12. 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.
13. Distribution box cover to be brought to finish grade.

APPROVED ~~FOR PAYMENT~~
TISBURY BOARD OF HEALTH
Mark Valley
1/26/2022

Design Data

1. Estimated Hydraulic Loading:
   Five bedrooms at 110 gallons per day per bedroom = 550 GPD
   Garbage disposal is not allowed with this design.
2. Septic Tank Size:
   Required tank capacity: 550 x 200% = 1100 gallons (minimum)
   Septic tank provided: 1000 gallons (existing to remain)
3. Design percolation rate: 5 M.P.I.
   Soil textural class: I
   Loading rate: 0.74 GPD/S.F.
4. Leaching Area:
   Total leaching area provided: 495 S.F.
5. Maximum Allowable Loading:
   495 S.F. x 1.67 (chamber general permits) x 0.74 GPD/S.F. = 611 GPD
   Actual hydraulic loading: 550 GPD

Legend

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

Proposed Sewage Disposal System

To Serve an Existing Five–Bedroom Dwelling
201 Spring Street–Assessor Parcel 24–A–34.1
Tisbury, Massachusetts

Applicant: Garrett Albiston
c/o Schofield, Barbini & Hoehn, Inc.
PO Box 339
Vineyard Haven, MA 02568
Phone: (508) 693–2781

Revision: January 19, 2022 (increase leaching capacity)

COMMONWEALTH OF MASSACHUSETTS — CASEY HUBBARD DECKER — CIVIL — NO. 54269 — REGISTERED PROFESSIONAL ENGINEER
1.21.22

date: December 29, 2021		
designed by: TED	drawn by: TED	checked by: CHD

Schofield, Barbini & Hoehn, Inc.
Land Surveying Civil Engineering
12 Surveyor's Lane, Box 339
Vineyard Haven, Mass. 02568
508–693–2781
www.sbhinc.net

MV 6999–A