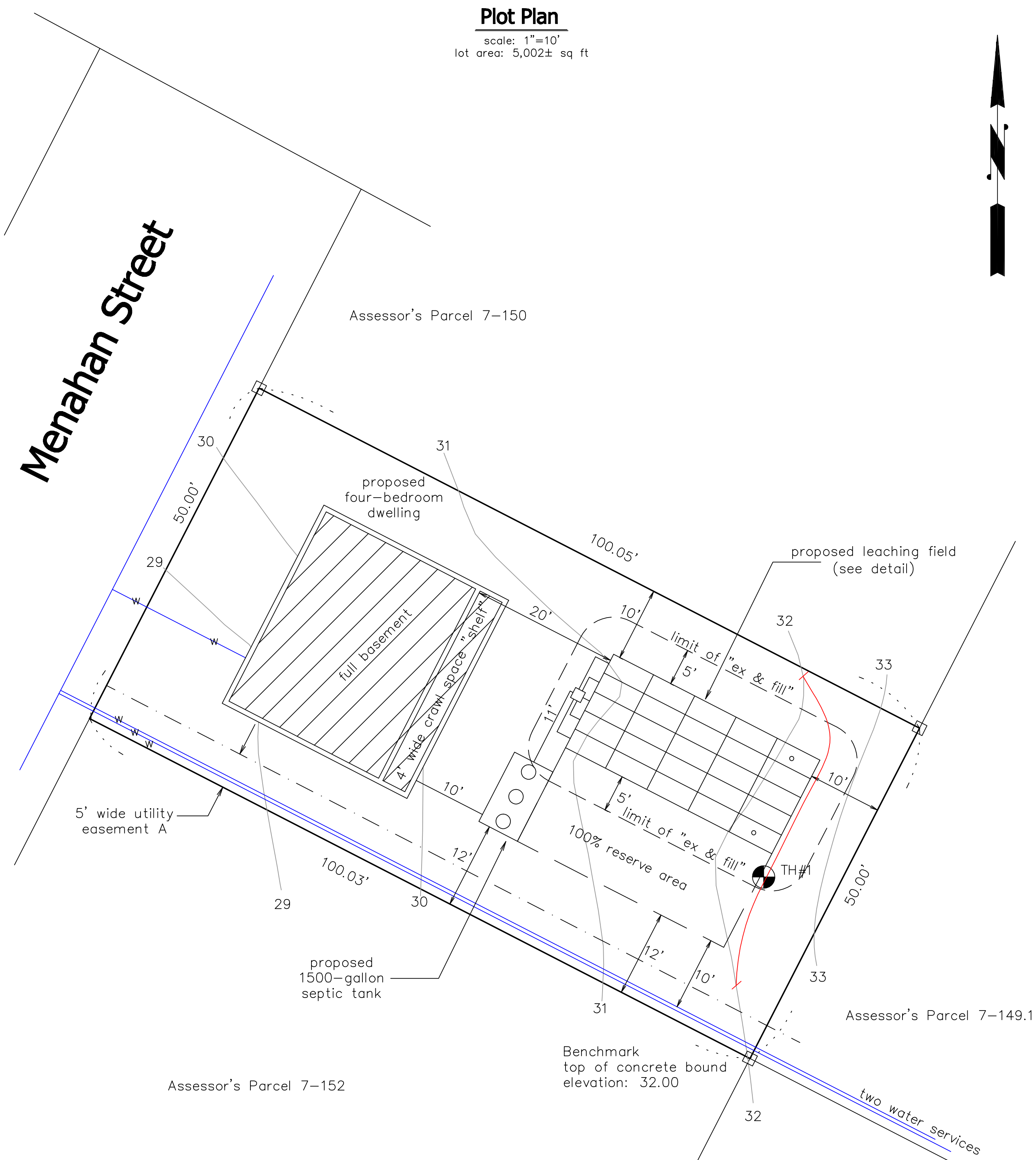
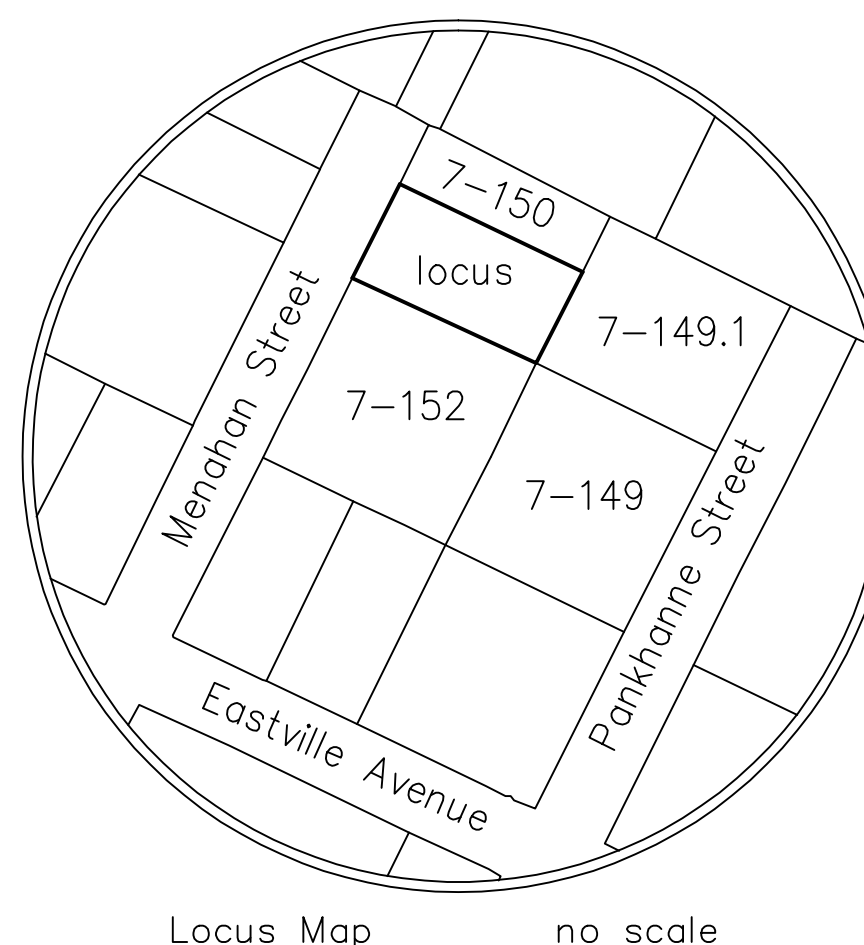


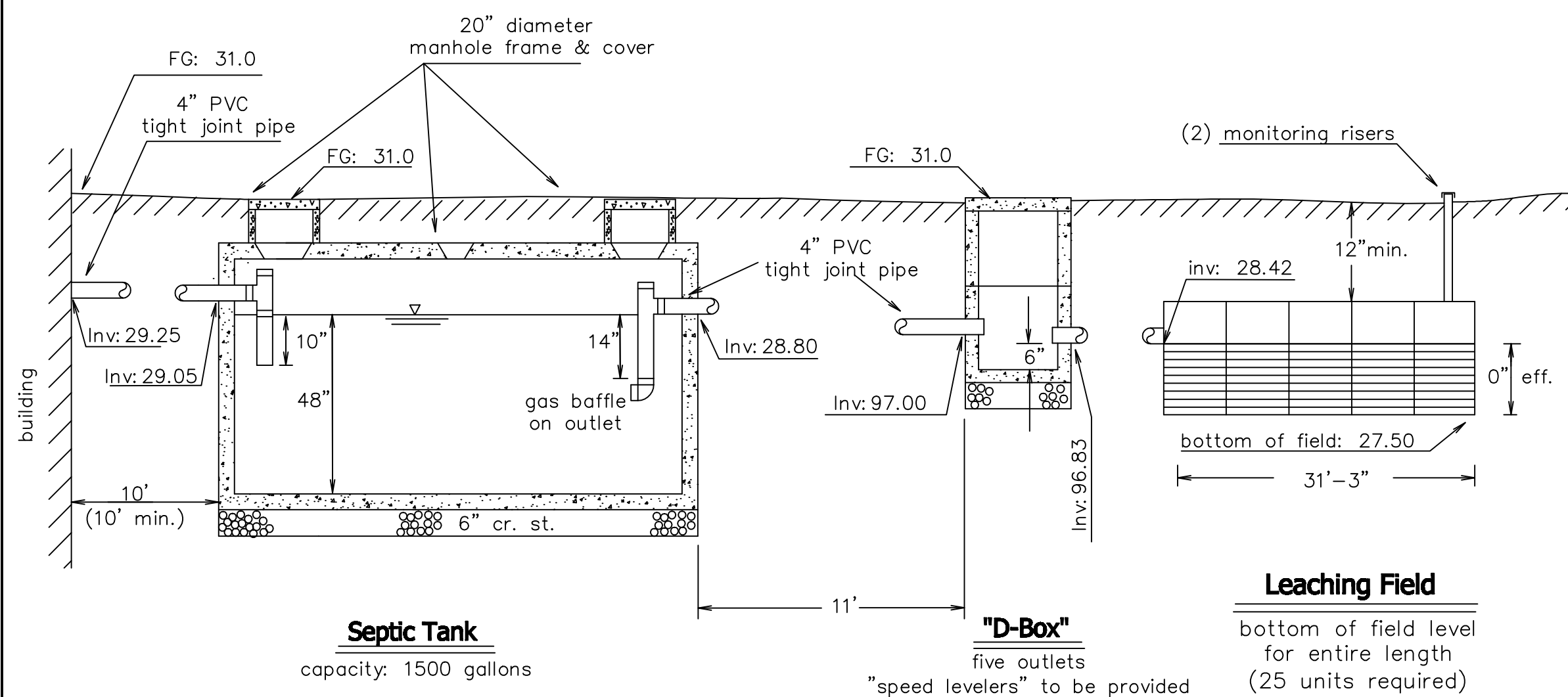
Plot Plan
scale: 1"=10'
lot area: 5,002± sq ft



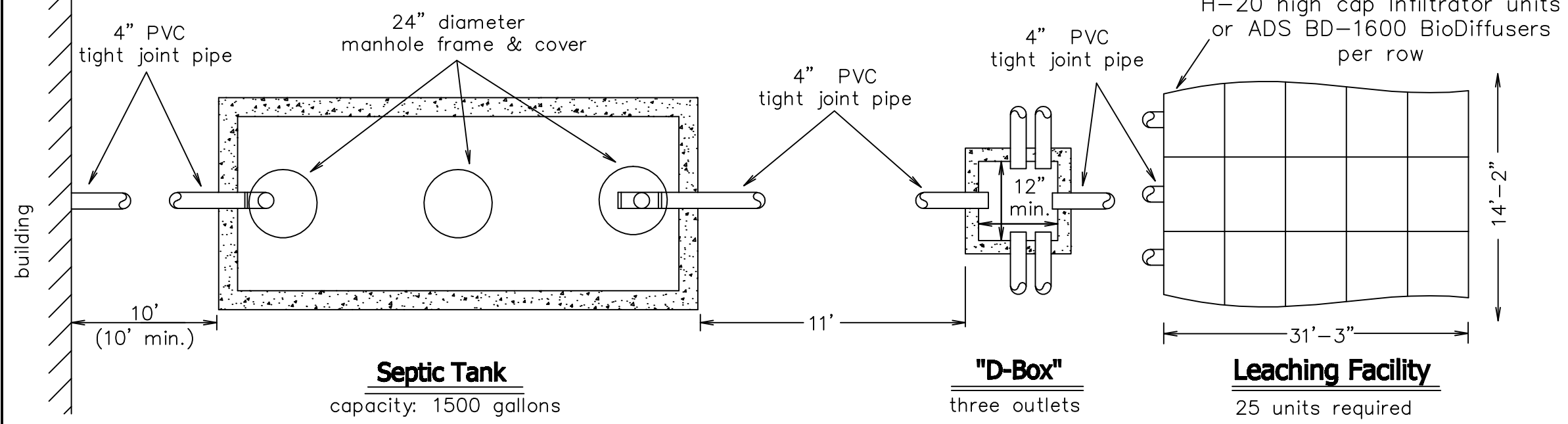
- Notes:
 A. No wells were found within 100' of the proposed leaching facility
 B. Engineer to inspect excavation of leaching facility at time of construction
 C. Top of foundation elevation and basement slab elevation to be verified with architectural drawings



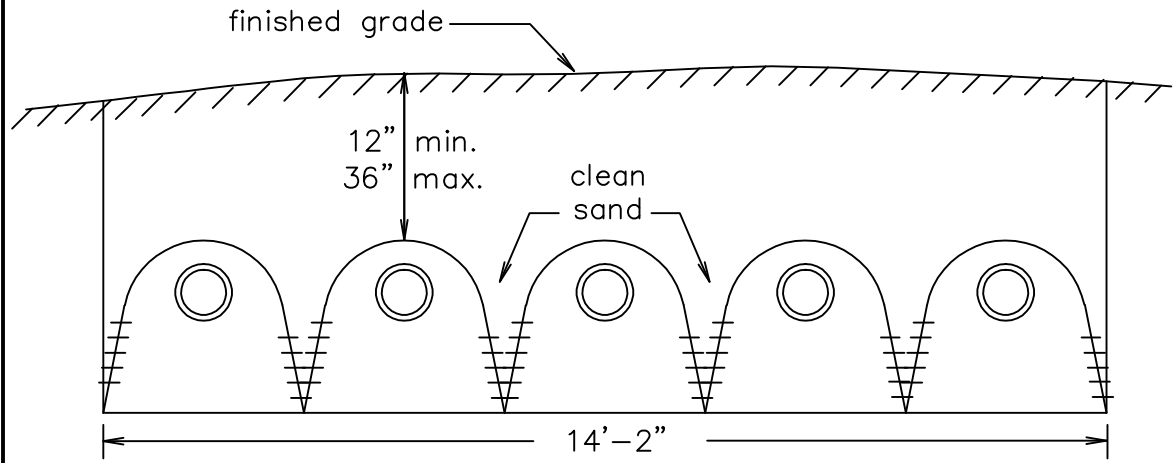
Profile of System



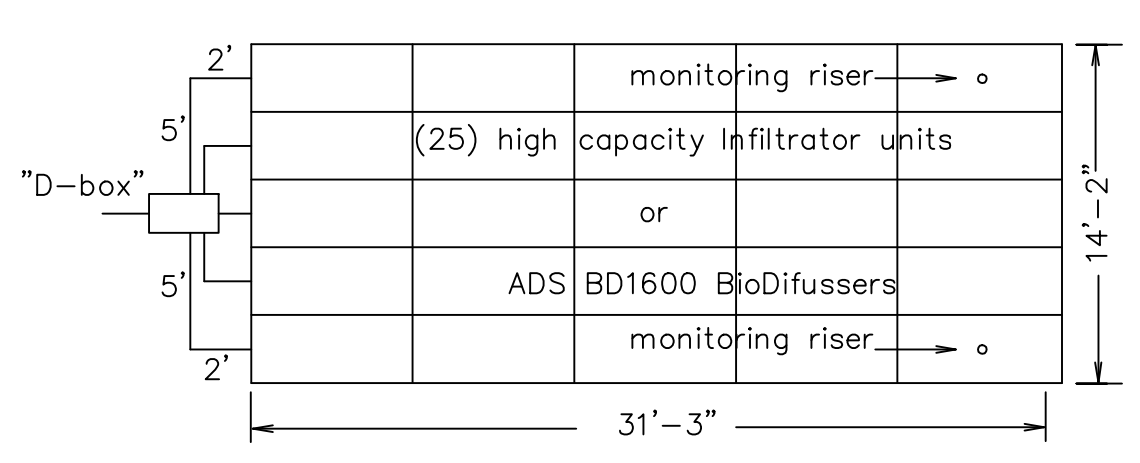
Plan View of System



Typical Leaching Field Cross-Section (no scale)



Leaching Facility Detail (no scale)



Schedule of Elevations

	32.00 (see Note C)	Finished Grade		Finished Grade
Top of foundation:	32.00 (see Note C)	Finished Grade		Finished Grade
Basement floor:	25.50 (see Note C)		Invert at distribution box inlet:	28.67
Invert of pipe at foundation:	29.25	31.0	Invert at distribution box outlet:	28.50
				31.0
Invert at septic tank inlet:	29.05		Invert at infiltrator inlet:	28.42
Invert at septic tank outlet:	28.80	31.0	Elevation of field bottom:	27.50
				see plan

Deep Test Pit 1 (Surface Elevation: 32.2)

Date of Test: March 11, 2003

depth	horizon	soil description
0"-4"	A	Loamy SAND
4"-30"	B	Sandy LOAM
30"-70"	C1	Loamy SAND & Sandy LOAM
70"-120"	C2	Loamy SAND (Class I)
120"-128"	C3	Sandy LOAM with Clay

Groundwater was not encountered at a depth of 128" (elevation: 21.6)

Percolation Test Data

test pit #	date	top of 12" of water depth from top of pit	rate: minutes per inch
1	3/11/03	72"	26.2
			<5

General Notes

- Elevations refer to an approximate mean sea level datum. See bench mark on plot plan located on concrete bound (elevation: 32.00)
- 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 5 feet from all sides of the leaching field. Excavate down to 6 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 field on this material.
- 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:
Four bedrooms at 110 gallons per day per bedroom = 440 GPD
Garbage disposal is not allowed with this design.
- Septic Tank Size:
Required capacity: 440 GPD x 200% = 880 gallons (min.)
Septic tank provided: 1500 gallons
- Design percolation rate: 5 MPI
Soil textural class: I
Loading rate: 0.74 GPD/SF
- Leaching Area:
Total leaching area provided: 442 SF
- Maximum Allowable Loading:
442 SF x 1.67 (chamber general permit) x 0.74 GPD/SF = 546 GPD
Actual hydraulic loading: 440 GPD

Legend

- XX---
 - F.G. = XX.X
 - XX
 - ⊙
 - P.V.C.
 - ⊞
 - E.H.C.I.
 - W —
 - R —
 - O.W. —
 - D —
- 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
 - Denotes storm drain pipe

Proposed Sewage Disposal System

To Serve a Proposed Four-Bedroom Dwelling
 45 Menahan Street. – Assessor's Parcel 7-151
 Oak Bluffs, Massachusetts

Applicant: _____

Date: May 24, 2022
 designed by: CPA drawn by: CPA checked by: CHD

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

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 Vineyard Haven, Mass. 02568
 508-693-2781
 www.sbhinc.net

MV 9221