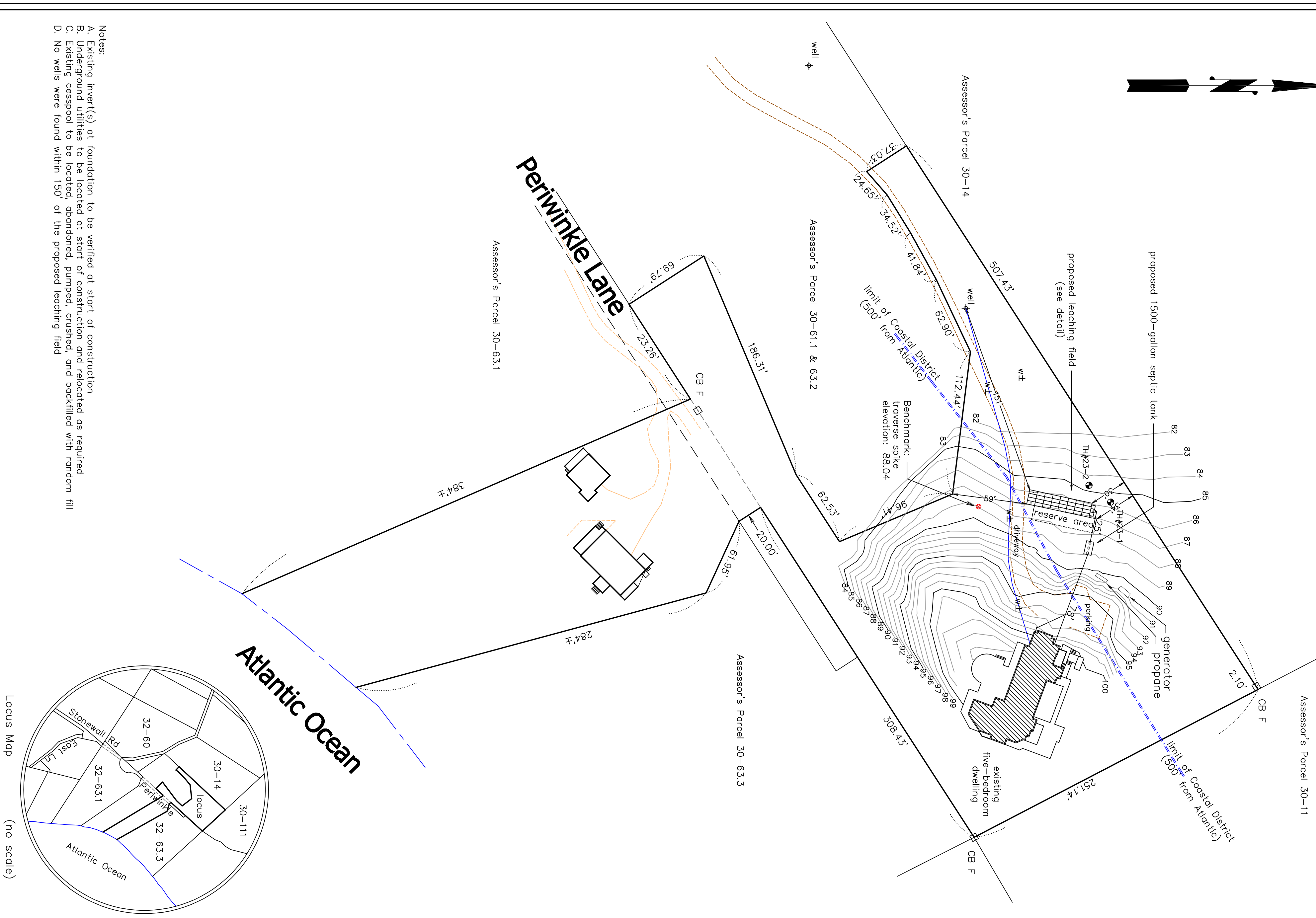
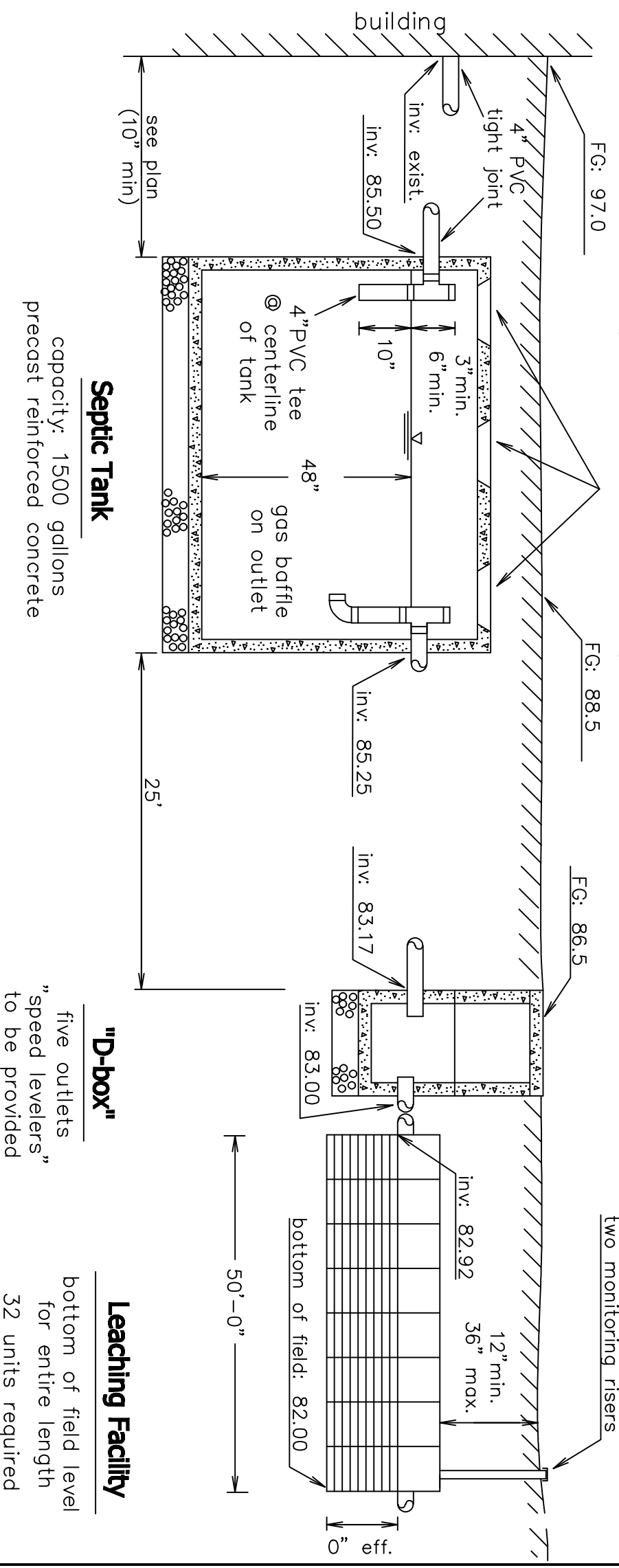


Plot Plan
 scale: 1"=50'
 lot area: 3.05± acres



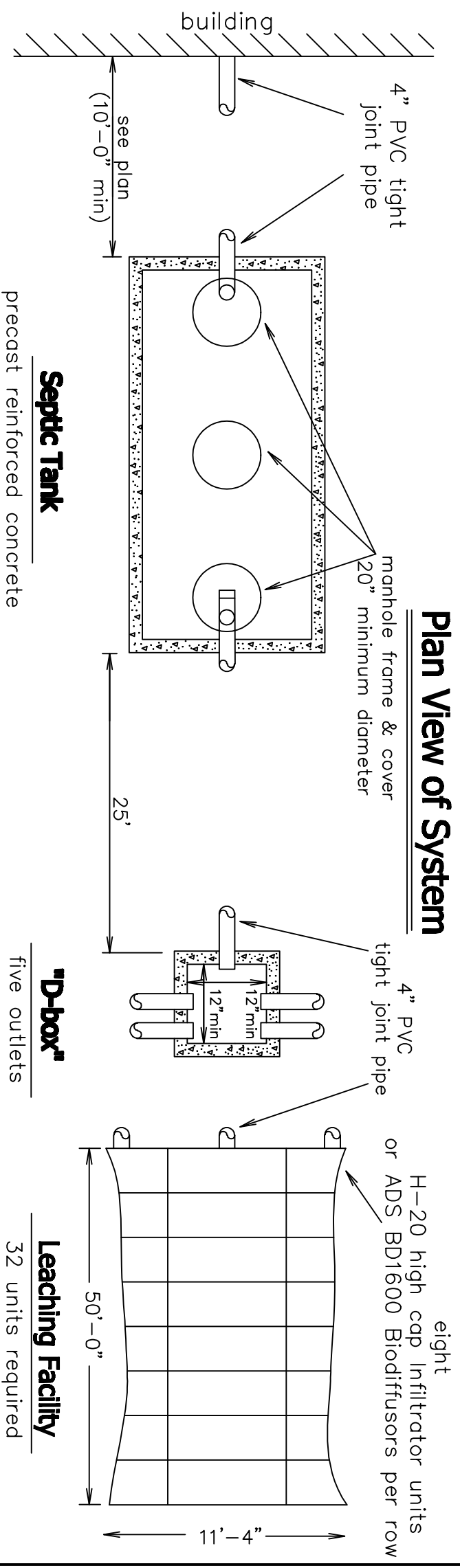
- Notes:
 A. Existing invert(s) at foundation to be verified at start of construction
 B. Underground utilities to be located at start of construction and relocated as required
 C. Existing cesspool to be located, abandoned, pumped, crushed, and backfilled with random fill
 D. No wells were found within 150' of the proposed leaching field

Profile of System

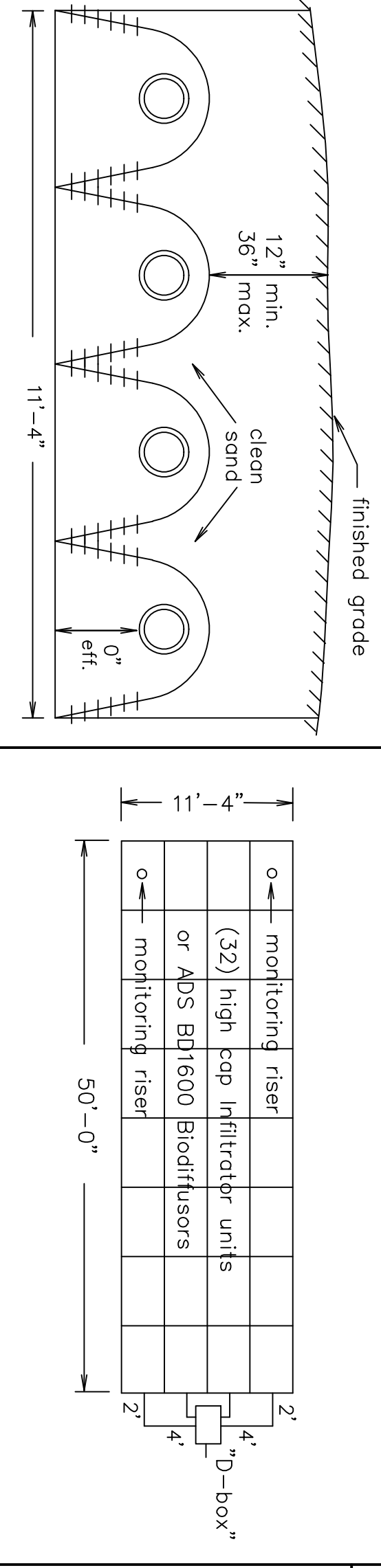


General Notes

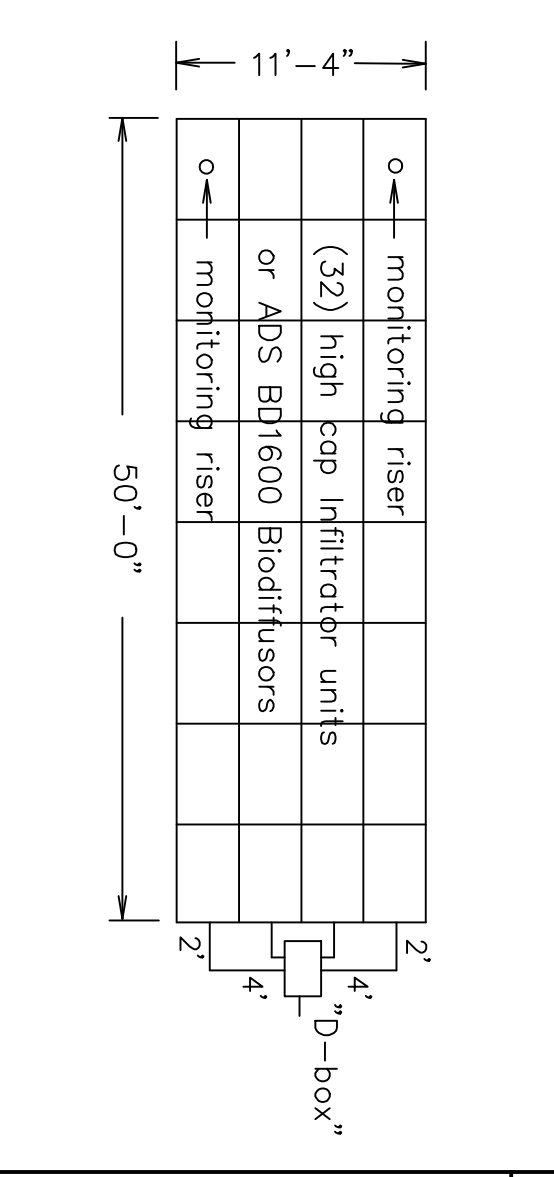
- Elevations refer to approximate mean sea level datum. See bench mark on plot plan located on traverse spike (elevation: 88.04)
- Finished grading to be done in accordance with plot plan.
- Percolation tests to be performed in accordance with the instructions of Title V of the Massachusetts State Environmental 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, 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 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.



Typical Leaching Field Cross-Section (no scale)



Leaching Facility Detail (no scale)



Schedule of Elevations

Location	Elevation	Structure
Top of foundation:	105.71±	Finished Grade Above Structure
Basement floor:	98.21	Existing
Invert of pipe at foundation:	(see Note A)	Existing
Invert at septic tank inlet:	85.25	Existing
Invert of distribution box outlet:	83.00	Existing
Invert of field bottom:	82.00	Existing

Deep Test Pit 23-1 (Surface Elevation: 85.6)

Depth	Horizon	Soil Description	Date of Test: January 31, 2023
0'-6"	A	f-m Sandy LOAM	23-1
6'-18"	B	f-m Sandy LOAM	1/31/23
18'-42"	C1	Loamy SAND with Gravel	24"
42'-84"	C2	Sand and Gravel with Stones	36"
84'-144"	C3	Abolition till (Sandy LOAM)	81.5

Deep Test Pit 23-2 (Surface Elevation: 84.5)

Depth	Horizon	Soil Description	Date of Test: January 31, 2023
0'-5"	A	f-m Sandy LOAM	23-2
5'-27"	B	Sandy LOAM with Gravel and Cobbles	1/31/23
27'-126"	C	m-c SAND with Gravel	36"

Percolation Test Data

test pit #	date	top of 12" of water depth from top of pit	elevation	rate: minutes per inch
23-1	1/31/23	24"	83.6	<5
23-2	1/31/23	36"	81.5	<5

Design Data

- Estimated Hydraulic Loading: 110 GPD per bedroom = 660 GPD. Five bedrooms (+ one future) at 110 GPD 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 gallons
- Design percolation rate: 5 MPI. Soil textural class: 1. Loading rate: 0.74 GPD/SF
- Leaching Area: 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
- F.G. = 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
- Denotes water service
- Denotes approximate property line

Proposed Sewage Disposal System

To Serve an Existing Five-Bedroom Dwelling And Future Sixth Bedroom
 62 Stonewall Road – Assessor's Parcels 32-61.2 & 63.5
 Chilmark, Massachusetts

Applicant: Leonard O. Bell
 c/o Schofield, Barhini & Hoehn, Inc.
 P.O. Box 339
 Tisbury, MA 02568
 Phone: (508) 693-2781

date: March 2, 2023
 designed by: CPA | drawn by: CPA | checked by: CHD
 Schofield, Barhini & Hoehn, Inc.
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