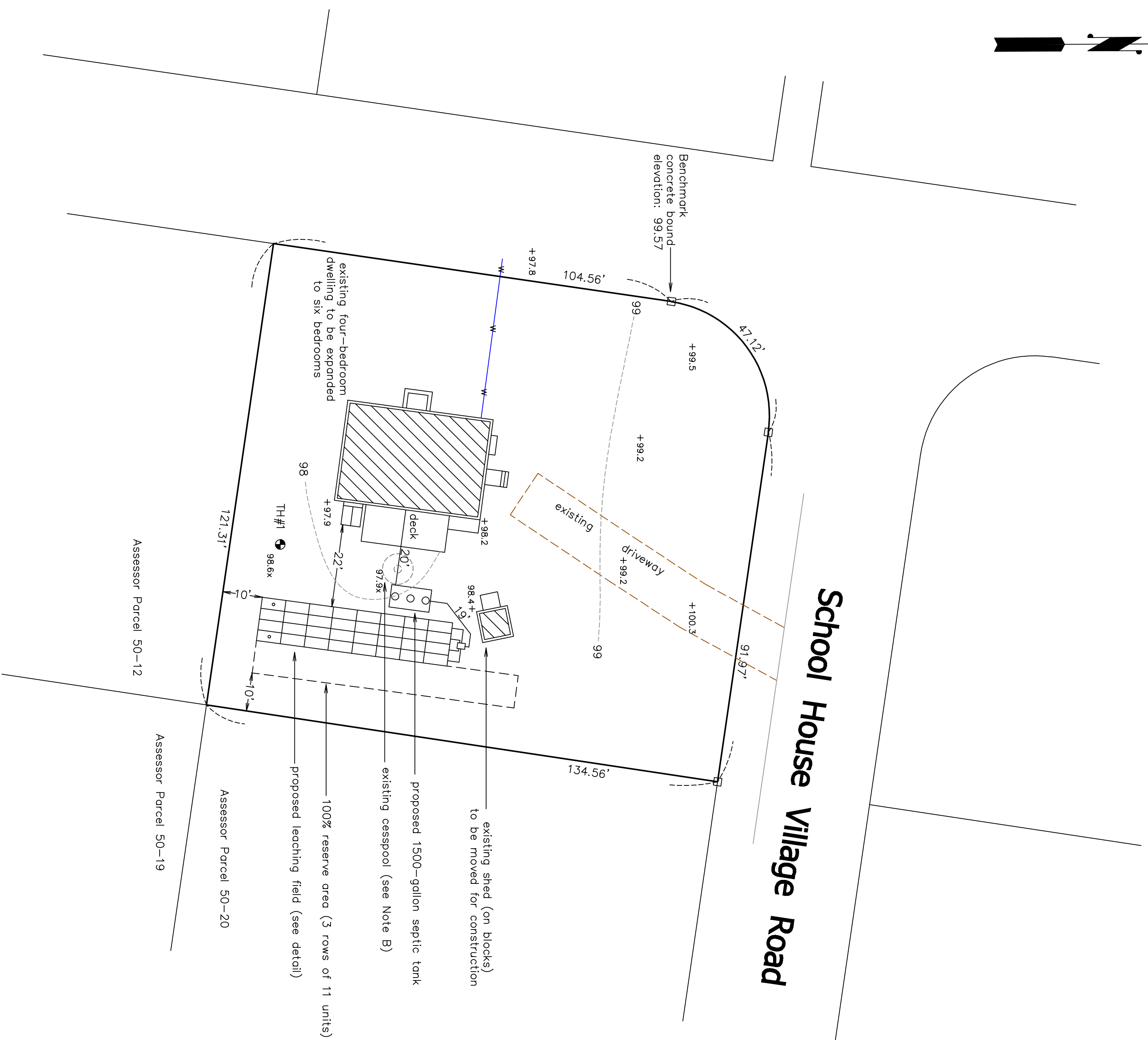


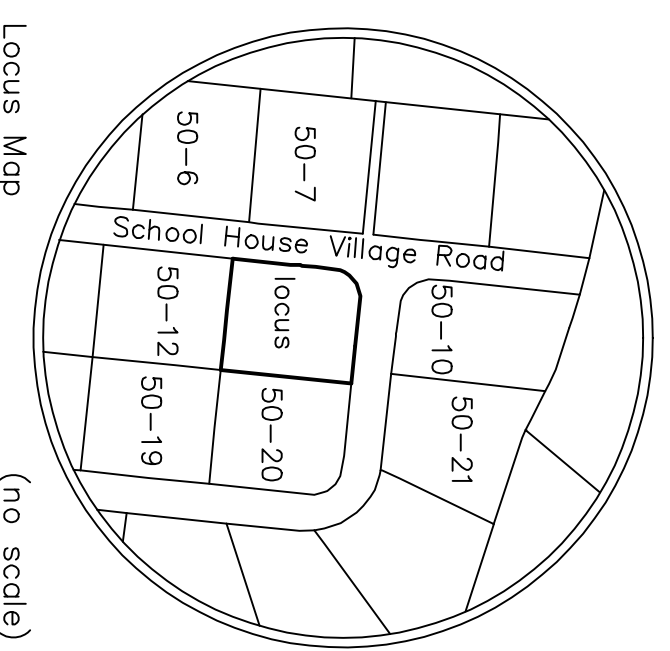
**Plot Plan**

Scale: 1"=20'

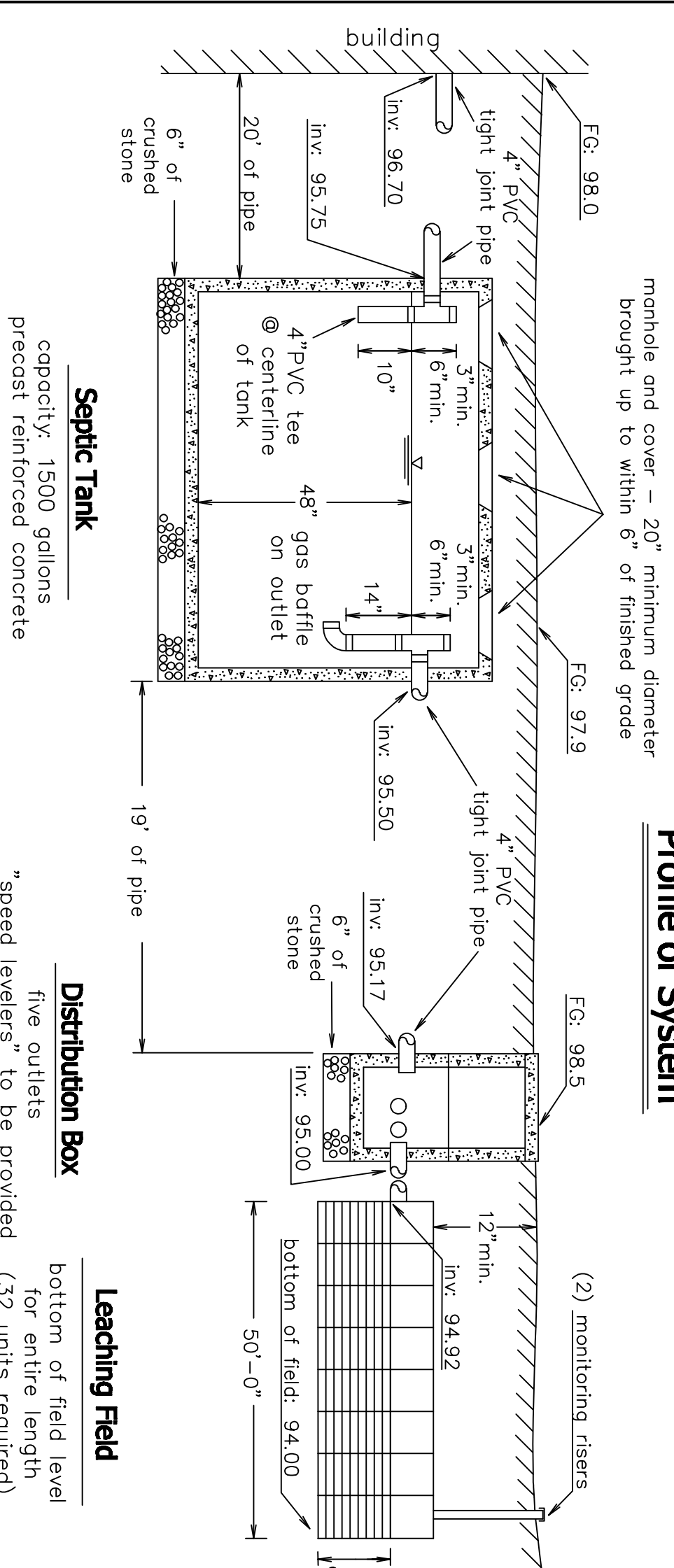
Lot Area: 28,746± sq ft



- Notes:
- A. No wells were found within 100' of the proposed leaching facility
  - B. Existing cesspool to be abandoned, pumped, crushed, and backfilled with clean sand
  - C. Invert at foundation to be verified at start of construction
  - D. Underground utilities to be located at start of construction and relocated as required
  - E. Engineer to inspect excavation of leaching field at time of construction



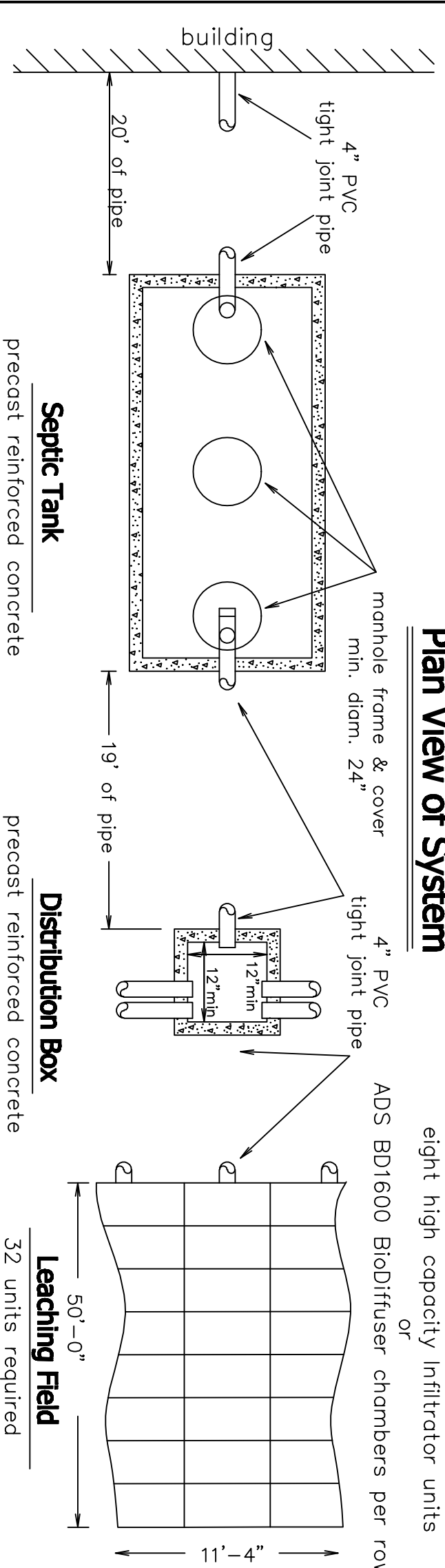
**Profile of System**



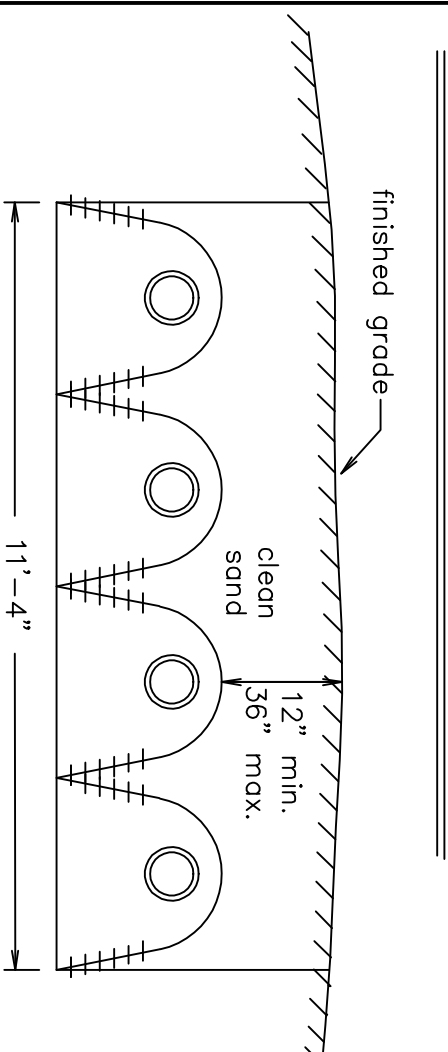
**General Notes**

1. Elevations refer to approximate mean sea level datum. See bench mark on plot plan located on concrete bound (elevation: 99.57)
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. Septic tank and distribution box shall be watertight after construction, including covers.
6. No driveway, parking or turning area or other impervious areas shall be located above the soil absorption system.
7. No permanent structure may be constructed over the 100% expansion area.
8. Schofield, Borhini & 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, Borhini & Hoehn Inc.
9. The Board of Health shall require inspection of all construction by the design engineer and by the agent of the Board of Health.
10. 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.
11. 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.
12. Distribution box cover to be brought to finish grade.

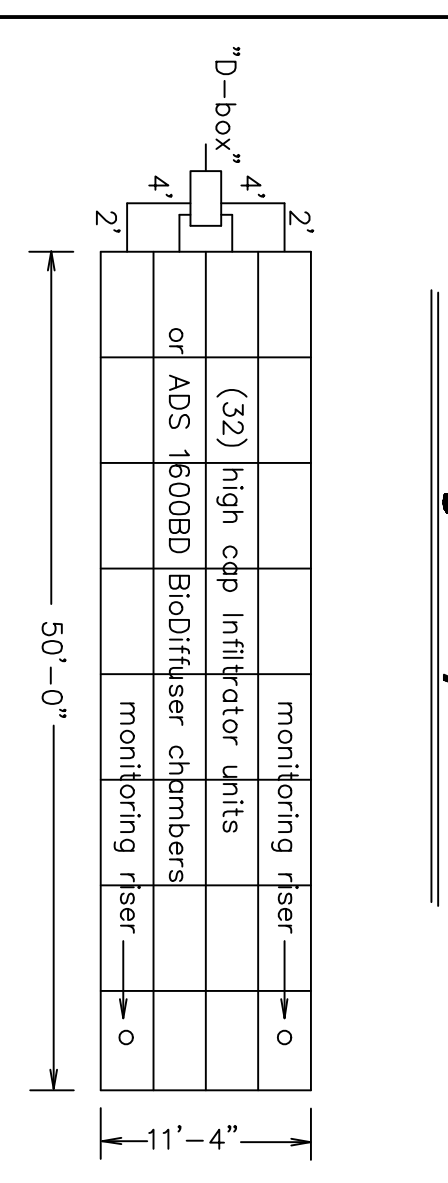
**Plan View of System**



**Typical Leaching Field Cross Section (no scale)**



**Leaching Facility Detail (no scale)**



**Schedule of Elevations**

Location	Elevation	Location	Elevation
Top of foundation:	99.20±	finished grade above structure	
Basement floor:	91.70±		
Inverts at foundation:	96.70±	Invert at distribution box inlet:	95.17
(see Note C)		Invert at distribution box outlet:	95.00
			98.5
Invert at septic tank inlet:	95.75	Invert at septic tank outlet:	95.50
		Invert at distribution box inlet:	94.92
		Elevation of field bottom:	94.00

**Deep Test Pit 1 (Surface Elevation: 98.6)**

Depth	Horizon	Soil Description
0'-12"	fill	Sandy LOAM
12'-16"	A	Sandy LOAM
16'-34"	B	Loamy SAND with Gravel
34'-120"	C	SAND and Gravel with Stones and Cobbles

**Deep Test Pit 2 (Surface Elevation:)**

Depth	Horizon	Soil Description

**Percolation Test Data**

test pit #	date	Top of 12" of water depth from top of pit	elevation (mfp)	rate
1	4/30/21	36"	95.6	<2

**Design Data**

1. Estimated Hydraulic Loading: Six bedrooms at 110 gallons per day per bedroom = 660 GPD. Garbage disposal is not allowed with this design.
2. Septic Tank Size: Required tank capacity: 660 x 200% = 1320 gallons (minimum). Septic tank provided: 1500 gallons
3. Design percolation rate: 5 MFL. Soil textural class: I. Loading rate: 0.74 GPD/SF
4. 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
- P.V.C. 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 an Existing Four-Bedroom Dwelling and Future Two-Bedroom Addition  
 15 School House Village – Assessor's Parcel 50-11  
 Oak Bluffs, Massachusetts

Applicant: Otis B. & Julie S. Tholander  
 c/o JasonTholander  
 PO Box 3049  
 Oak Bluffs, MA 02557  
 Ph: (617) 688-7035

date: September 13, 2021  
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 drawn by: CPA  
 checked by: CHD  
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