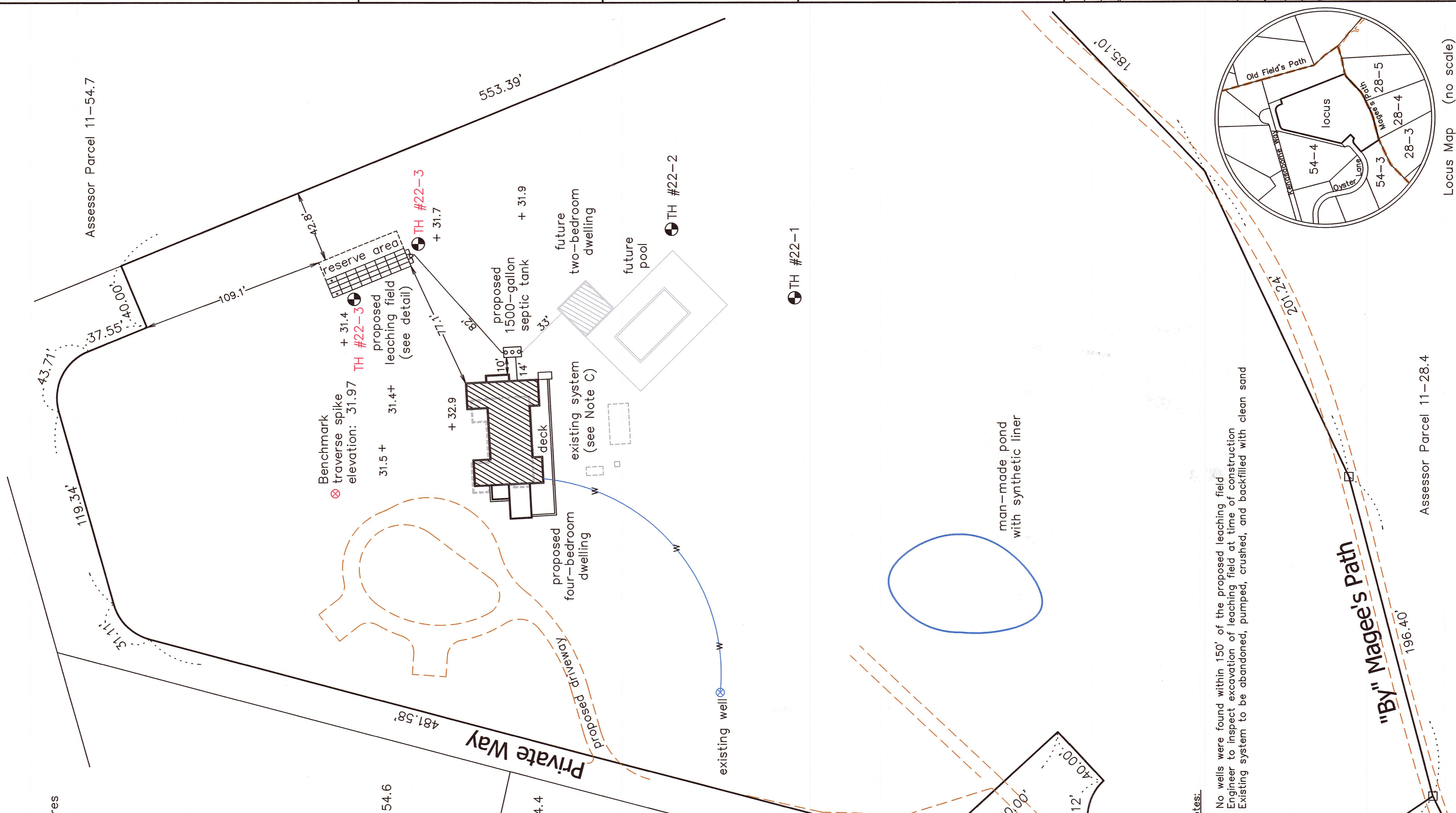
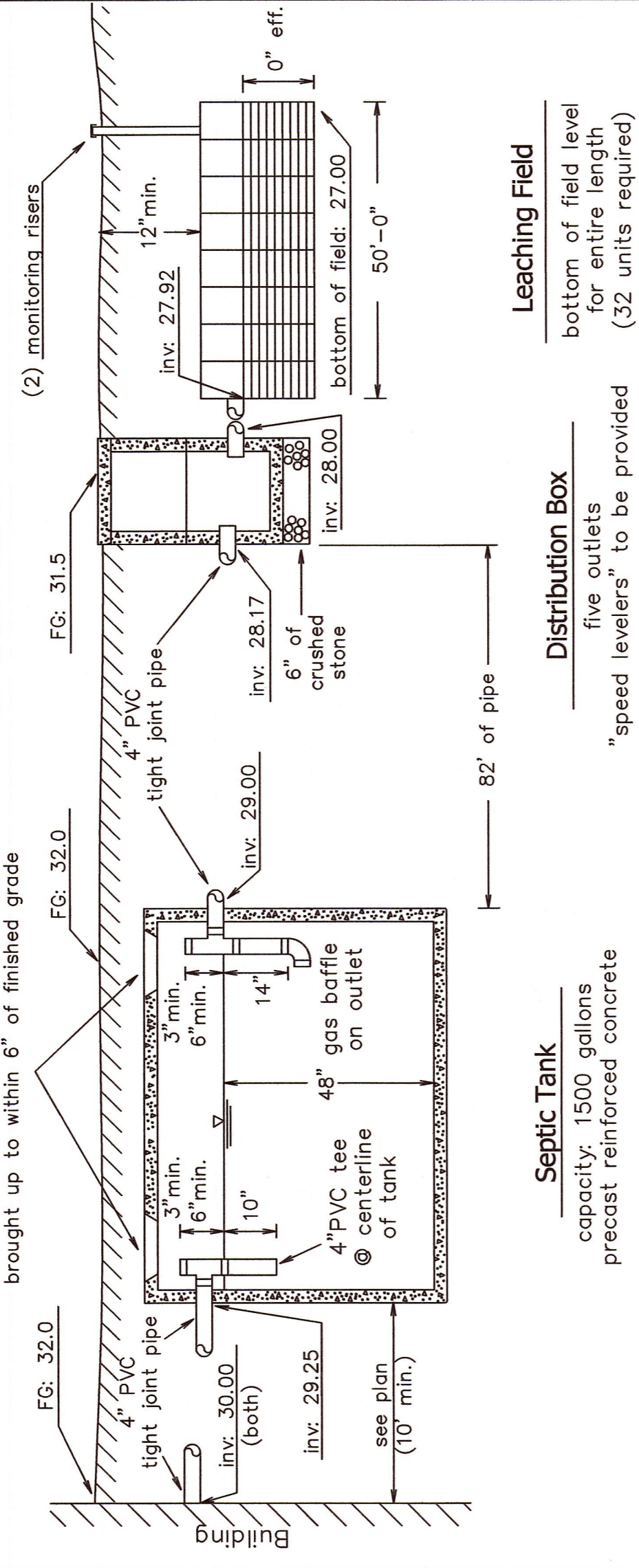


**Plot Plan**  
 scale: 1"=40'  
 lot area: 6.86± acres



**Profile of System**



**General Notes**

- Elevations refer to approximate sea level datum. See bench mark on plot plan located on traverse spike (elevation: 31.97)
- 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, Barbini & Hoehn Inc. will not be responsible for the performance of the system unless construction is 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 + two 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: 1500 gallons
- Design percolation rate: 2 MPI  
 Soil textural class: I  
 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

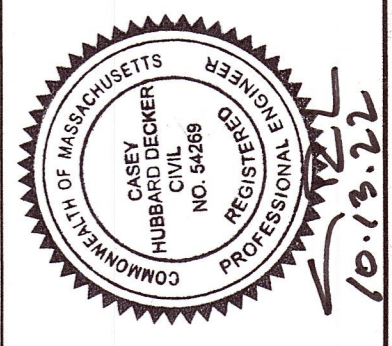
**Legend**

- XX--- Denotes proposed contour
- F.G. = XX.X Denotes proposed finished grade
- XX Denotes existing contour
- Denotes test hole location
- Denotes polyvinyl chloride pipe, Sch. 40, unless noted
- Denotes catch basin
- 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**

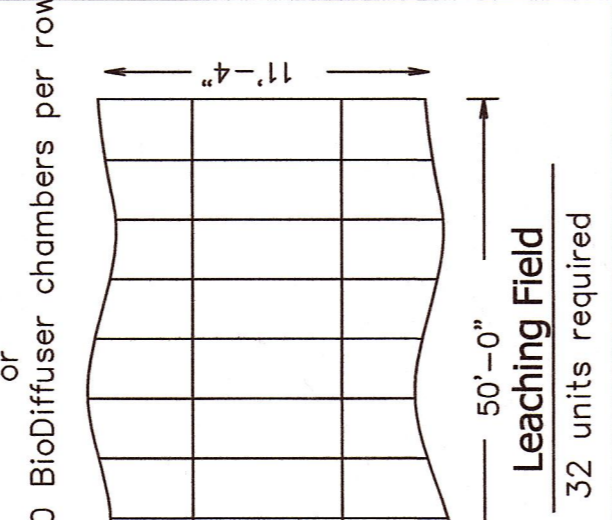
To Serve a Proposed Four-Bedroom Dwelling  
 And Future Two-Bedroom Guest House  
 27 Oyster Lane - Assessor Parcel 11-54.5  
 Chilmark, Massachusetts

Applicant: Mark J. Stein & Laura Chamberlain Ph: (508) 693-2781  
 25 Huguenot Drive  
 Larchmont, NY 10538

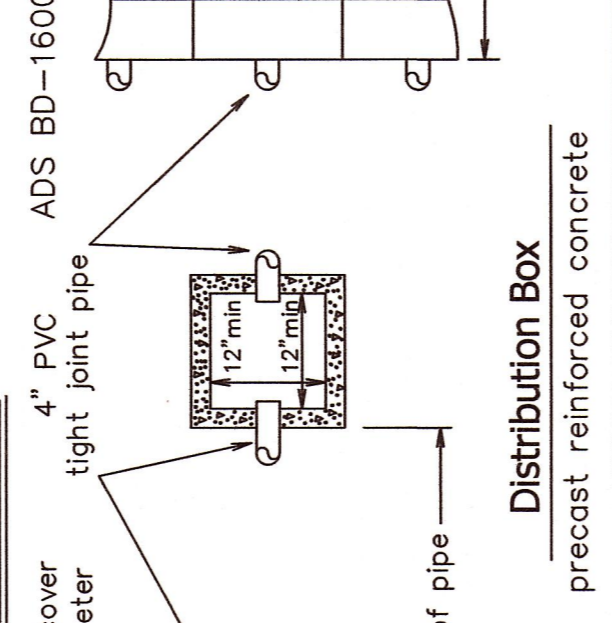


Date: Sept 10, '22 Rev. Oct 13, '22 (TH #22-3 & TH #22-4)  
 designed by: CPA drawn by: CPA checked by: CHD  
 Schofield, Barbini & Hoehn, Inc.  
 Land Surveying & Civil Engineering  
 12 Surveyor's Lane, Box 339  
 Vineyard Haven, Mass. 02568  
 www.sbhinc.net MV 3952-5

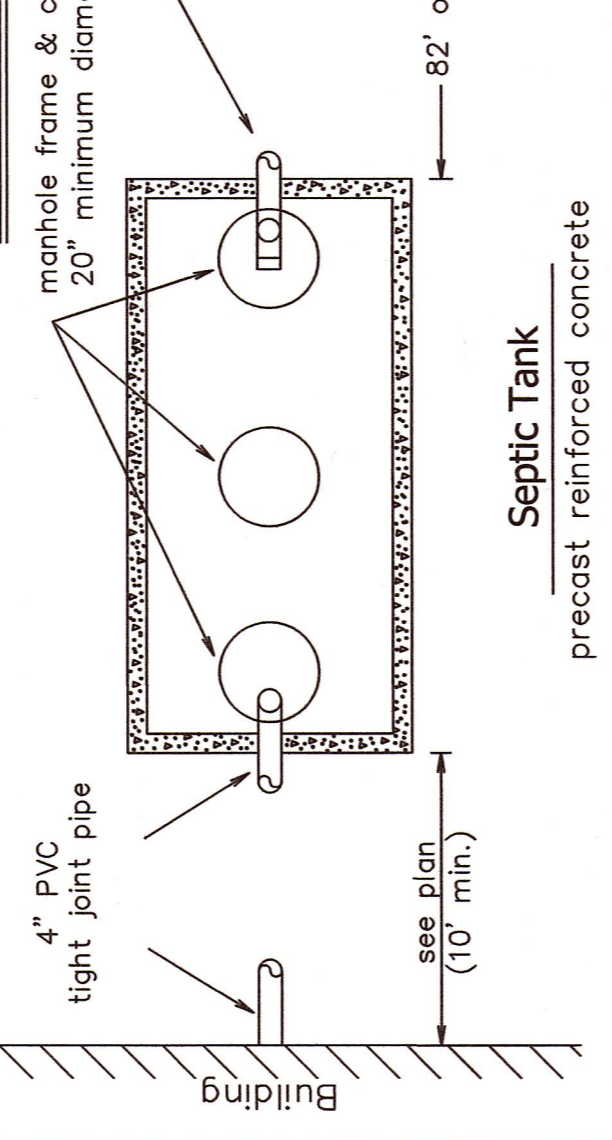
**Leaching Field**



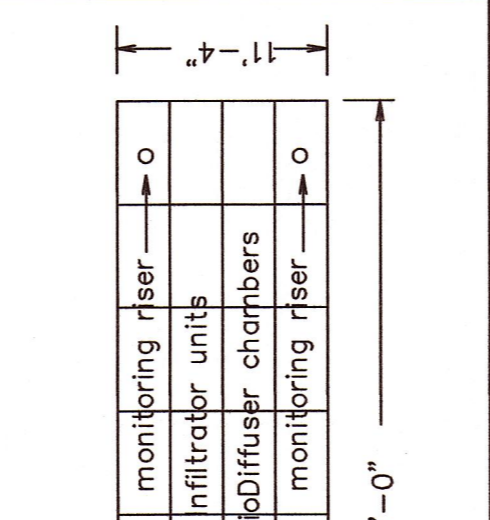
**Distribution Box**



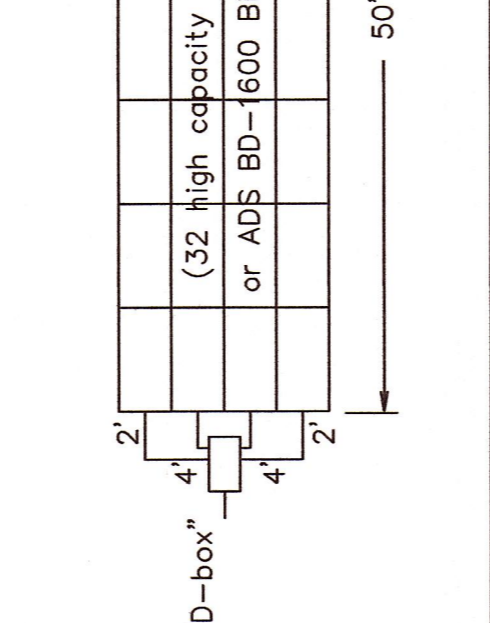
**Septic Tank**



**Typical Leaching Field Cross-Section**



**Distribution Box Detail**



**Schedule of Elevations**

Item	Finished Grade Above Structure	Invert at Distribution Box Inlet	Invert at Distribution Box Outlet	Finished Grade Above Structure	Invert at Infiltrator Inlet	Elevation of Field Bottom
Top of foundation:	see architectural					
Basement floor:	see architectural					
Inverts at foundations:	30.00 (both)	32.0	32.0	31.5	28.17	28.00
Invert at septic tank inlet:	29.25				27.92	27.00
Invert at septic tank outlet:	29.00					

**Percolation Test Data**

Test Pit #	Date	Depth (ft)	Soil Description	Rate (mpi)
22-2	2/23/22	48"	Loamy f-m SAND	27.5
22-4	10/13/22	48"	Sandy LOAM	27.6
			Silt LOAM (NG)	
			m-c SAND with Stones	

Test Pit #	Date	Depth (ft)	Soil Description	Notes
Deep Test Pit 22-1 (Surface Elevation: 31.5)	February 23, 2022	0'-3"	A Loamy SAND	Groundwater was not encountered at a depth of 128" (elevation: 21.0)
		3'-17"	B Sandy LOAM	
		17'-34"	C1 Silt LOAM (NG)	
		34'-126"	C2 m-c SAND with Gravel	
Deep Test Pit 22-3 (Surface Elevation: 31.6)	October 13, 2022	0'-4"	A Loamy SAND	Groundwater was not encountered at a depth of 120" (elevation: 21.6)
		4'-18"	B Sandy LOAM	
		18'-39"	C1 Sandy LOAM to Silt LOAM (NG)	
		39'-120"	C2 m-c SAND with Gravel	
Deep Test Pit 22-4 (Surface Elevation: 31.5)	October 13, 2022	0'-4"	A Loamy f-m SAND	Groundwater was not encountered at a depth of 120" (elevation: 21.5)
		4'-21"	B Sandy LOAM	
		21'-40"	C1 Silt LOAM (NG)	
		40'-120"	C2 m-c SAND with Stones	

Notes:  
 A. No wells were found within 150' of the proposed leaching field  
 B. Engineer to inspect excavation of leaching field at time of construction  
 C. Existing system to be abandoned, pumped, crushed, and backfilled with clean sand

Assessor Parcel 11-28.4