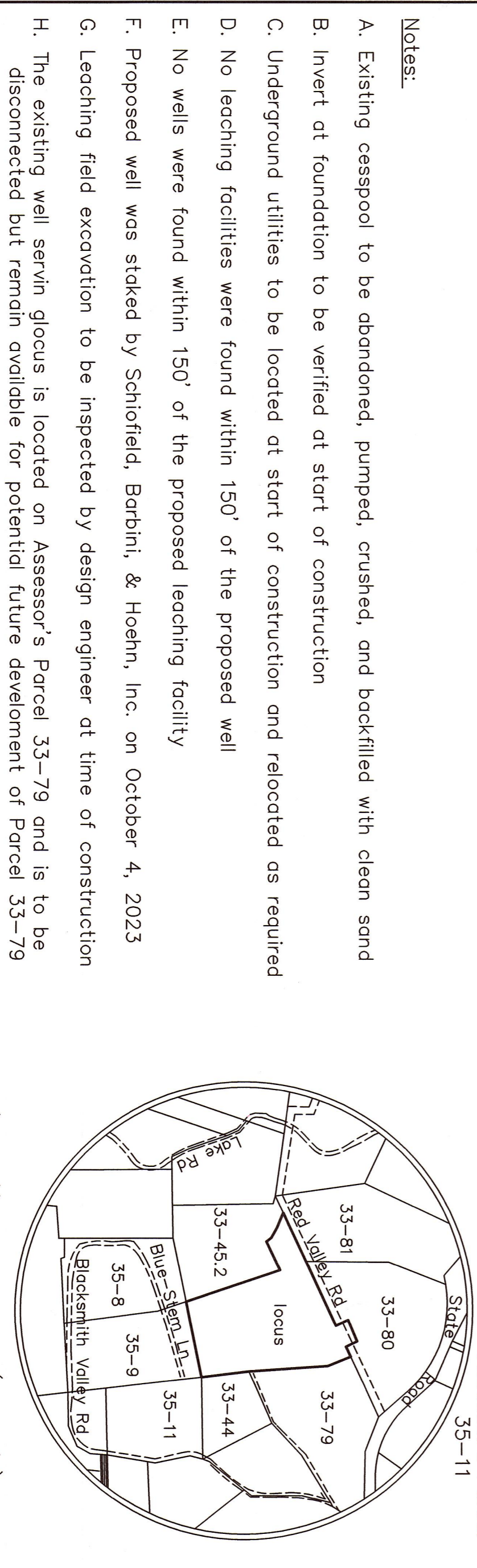
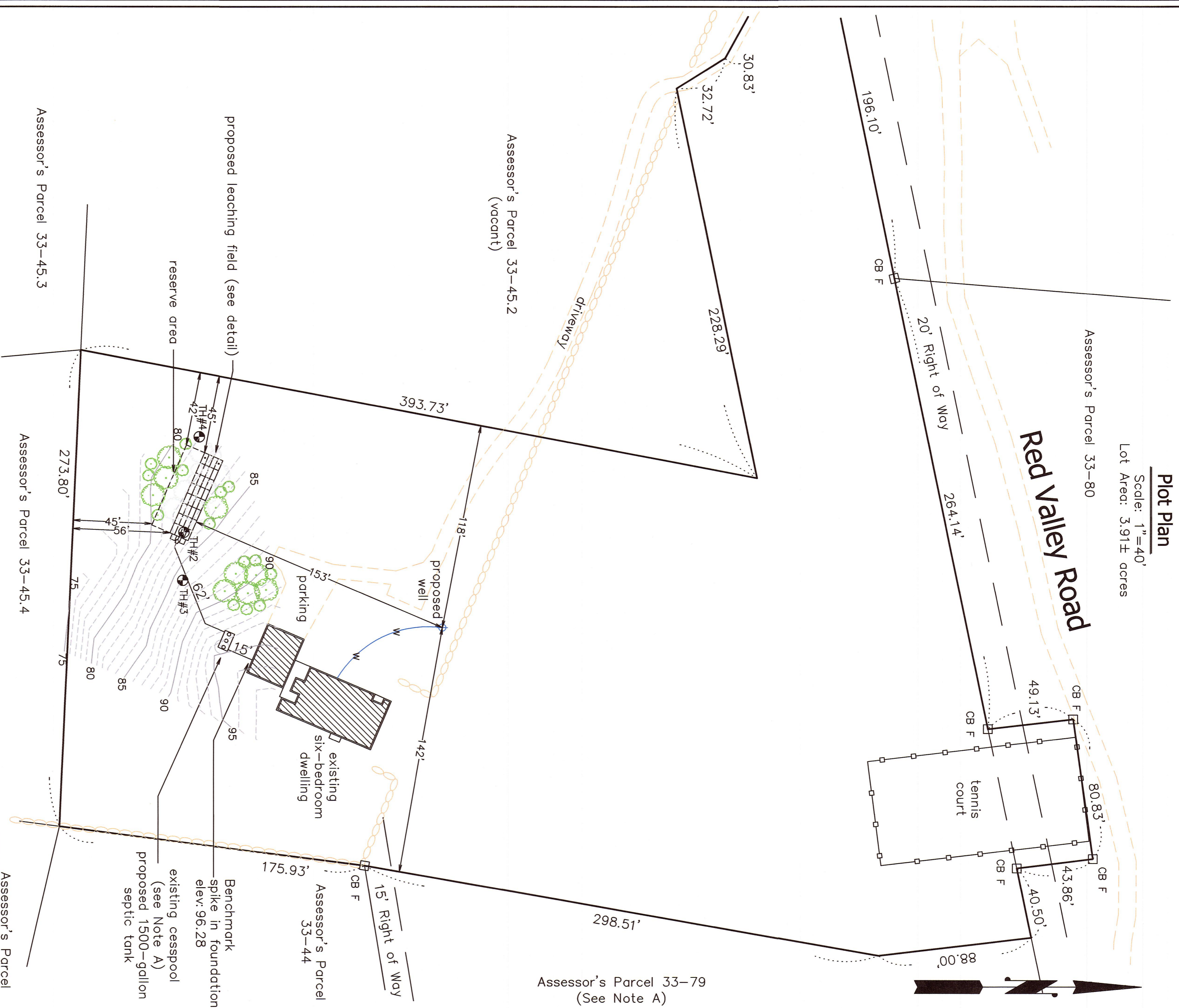
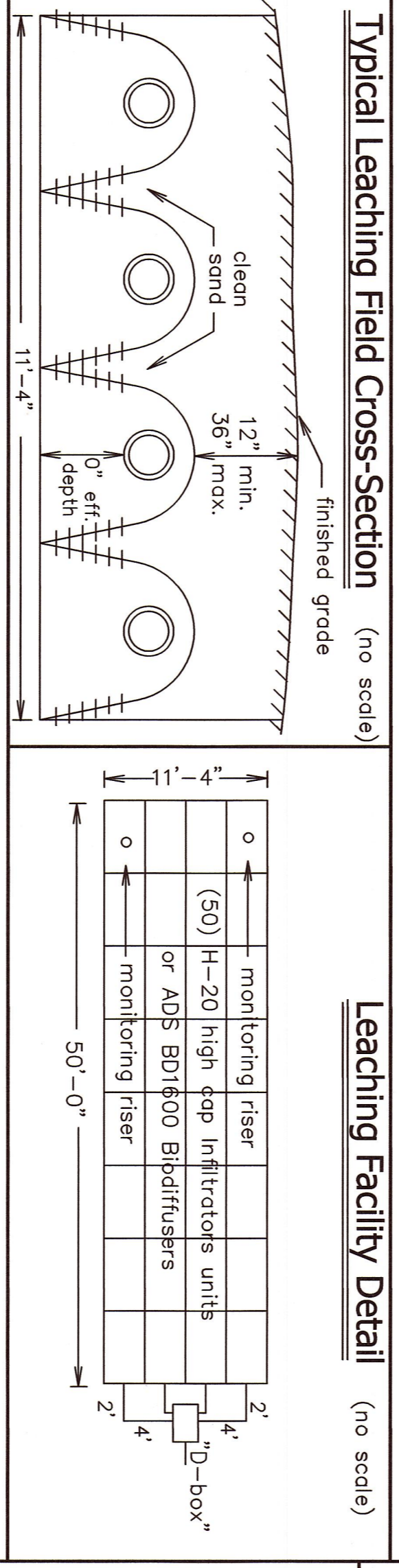
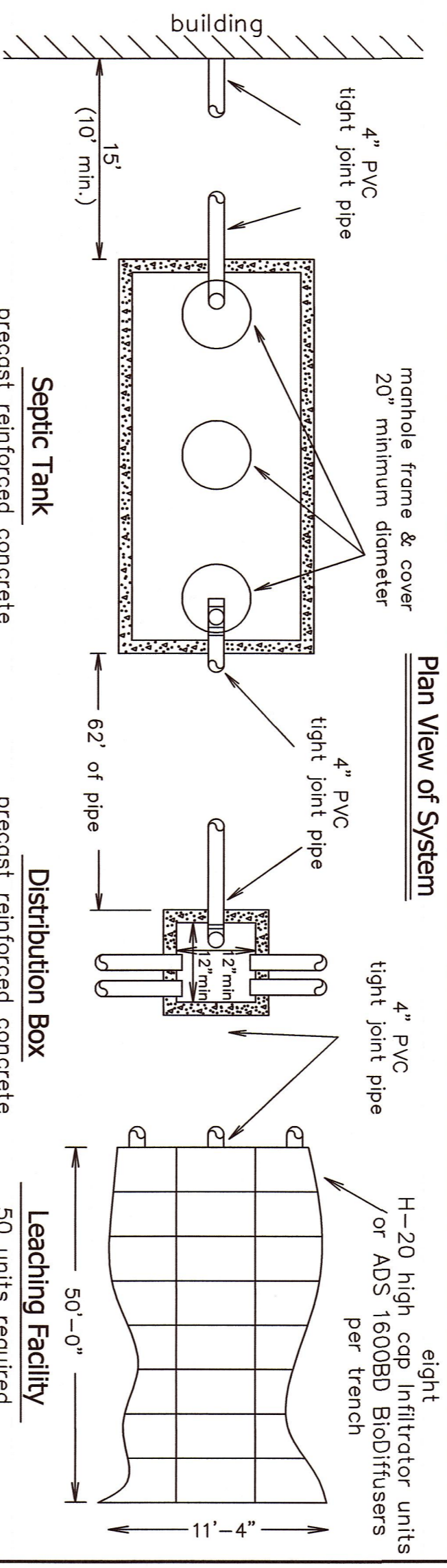
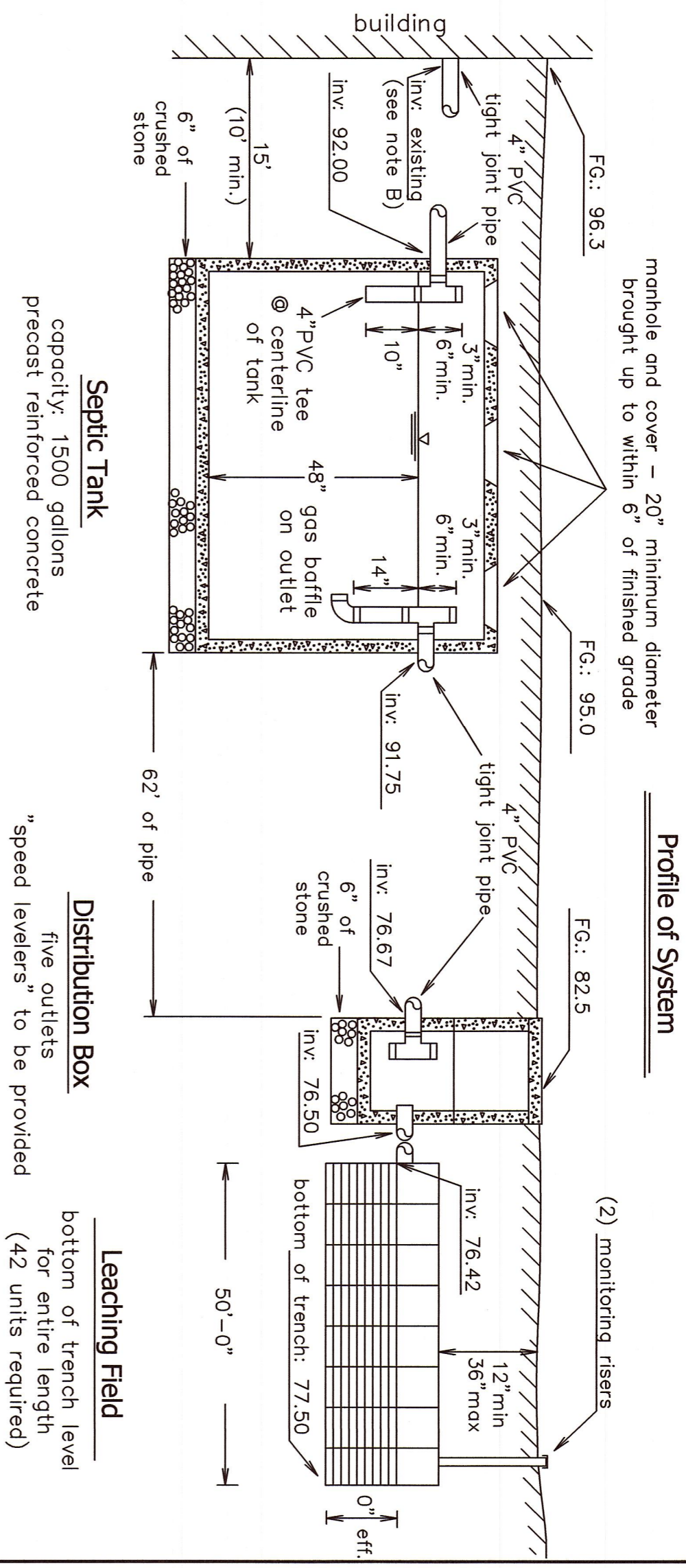


Plot Plan
Scale: 1"=40'
Lot Area: 3.91± acres



- Notes:**
- Existing cesspool to be abandoned, pumped, crushed, and backfilled with clean sand
 - Invert at foundation to be verified at start of construction
 - Underground utilities to be located at start of construction and relocated as required
 - No leaching facilities were found within 150' of the proposed well
 - No wells were found within 150' of the proposed leaching facility
 - Proposed well was staked by Schofield, Borhini, & Hoehn, Inc. on October 4, 2023
 - Leaching field excavation to be inspected by design engineer at time of construction
 - The existing well servin, glocus is located on Assessor's Parcel 33-79 and is to be disconnected but remain available for potential future development of Parcel 33-79



Schedule of Elevations

Top of foundation:	99.38/98.18	finished grade above structure
Basement floor:	existing	
Inverts at foundation:	96.3	Invert at distribution box outlet:
Invert at septic tank inlet:	92.00	Invert at distribution box outlet:
Invert at septic tank:	91.75	Elevation of field bottom:
		77.50

Depth	Horiz.	Soil Description	Date: March 26, 2023	Depth	Horiz.	Soil Description	Date: March 26, 2023	test pit #	date	top of 12" of water depth from top of pit	elevation	rate (mp)
0'-8"	A	Loamy f-m SAND						2	3/26/23	54"	78.5	<5
8'-24"	B	Sandy LOAM						4	3/26/23	36"	78.0	<5
24'-54"	C1	Sandy LOAM										
54'-120"	C2	SAND										

General Notes

- Elevations refer to approximate mean sea level datum. See bench mark on plot plan located on nail in foundation (elevation: 96.28)
- 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, 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.
- 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: Six 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: 5 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---
 - FG. = XXX
 - 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 an Existing Six-Bedroom Dwelling
16 Red Valley Road – Assessor Parcel 33-45.1
Chilmark, Massachusetts

Applicant: Chesapeake Realty Trust
c/o Schofield, Borhini, & Hoehn, Inc.
PO Box 339
Vineyard Haven, MA 02568
Ph: (508) 693-2781

designed by: GPA
drawn by: GPA
checked by: CHD

Schofield, Borhini & Hoehn, Inc.
Civil Engineering

date: October 6, 2023

12 Surveyor's Lane, Box 339
Vineyard Haven, Mass. 02568
508-693-2781
www.sbhinc.net

MV 7231