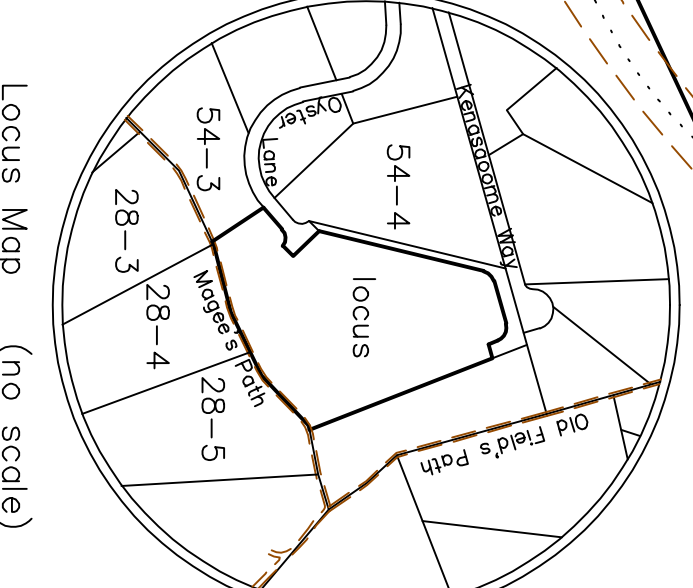
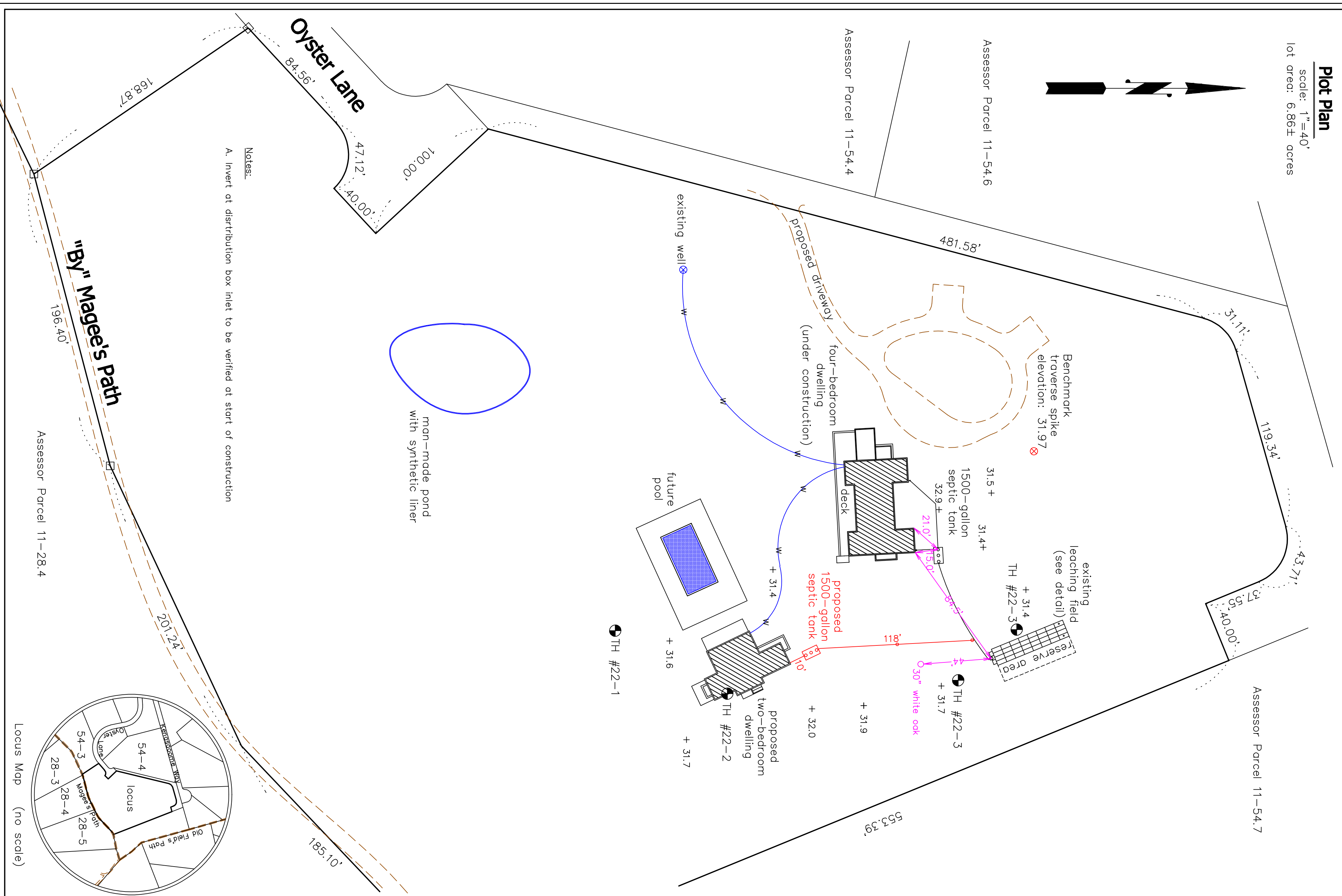
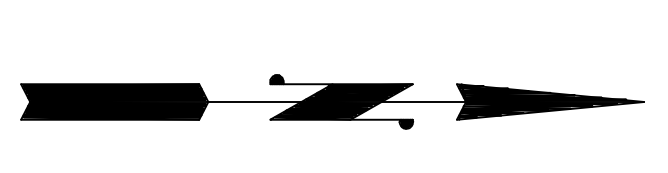
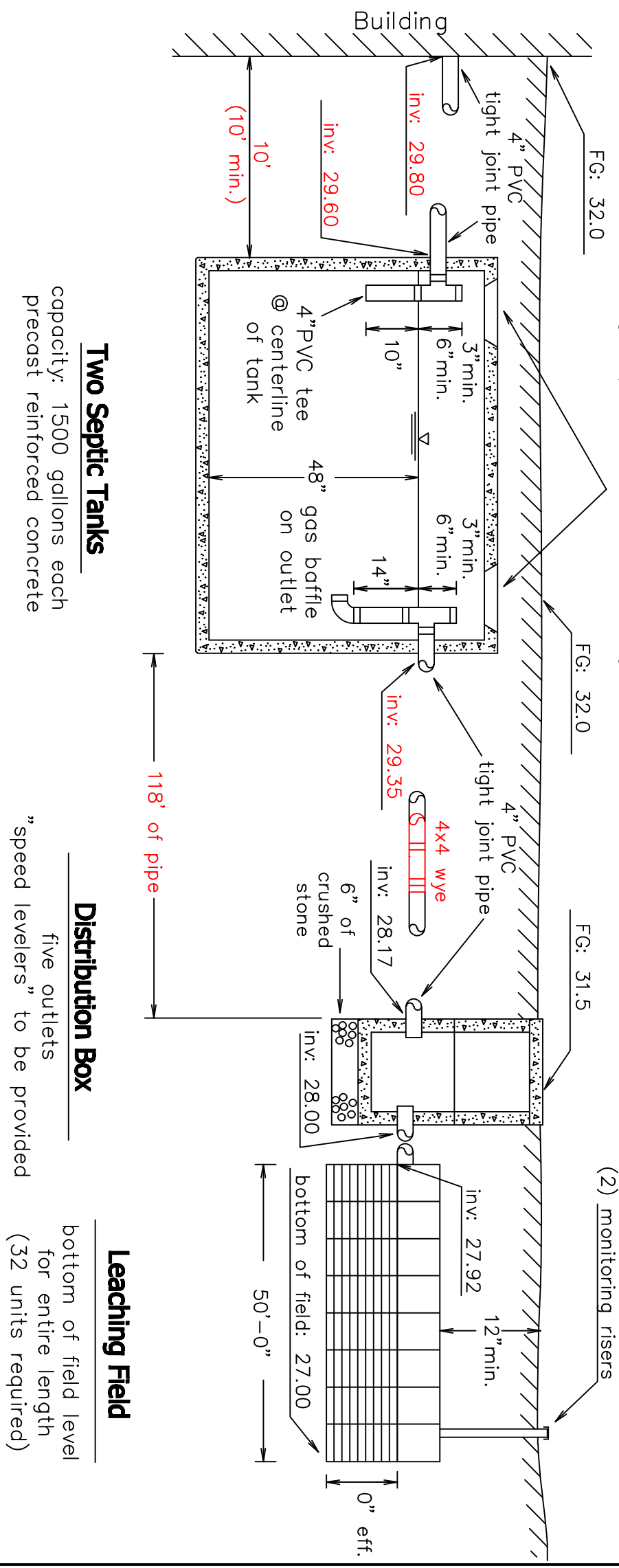


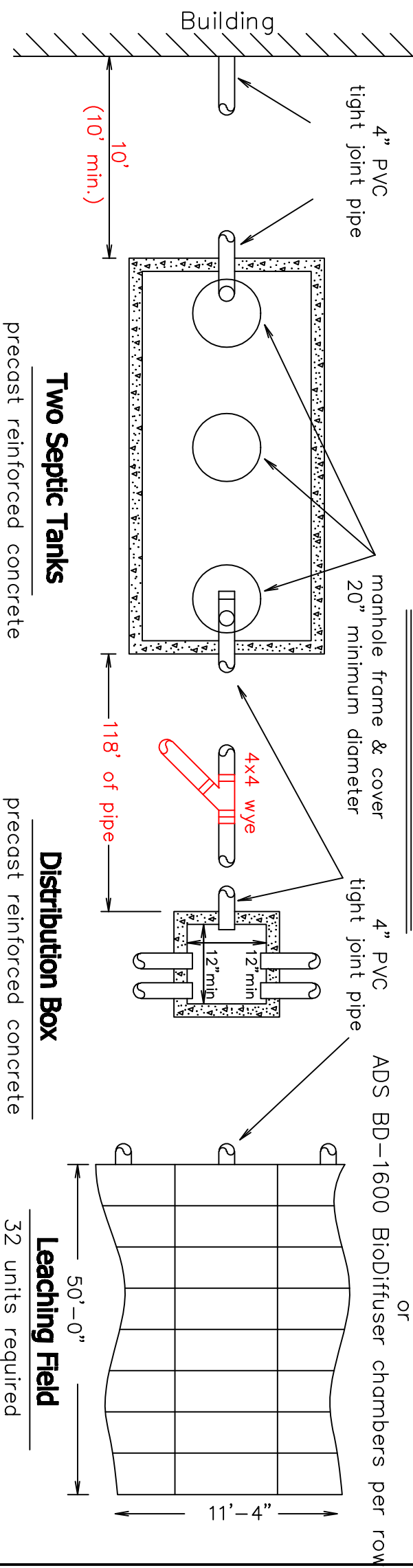
Plot Plan
 scale: 1"=40'
 lot area: 6.86± acres



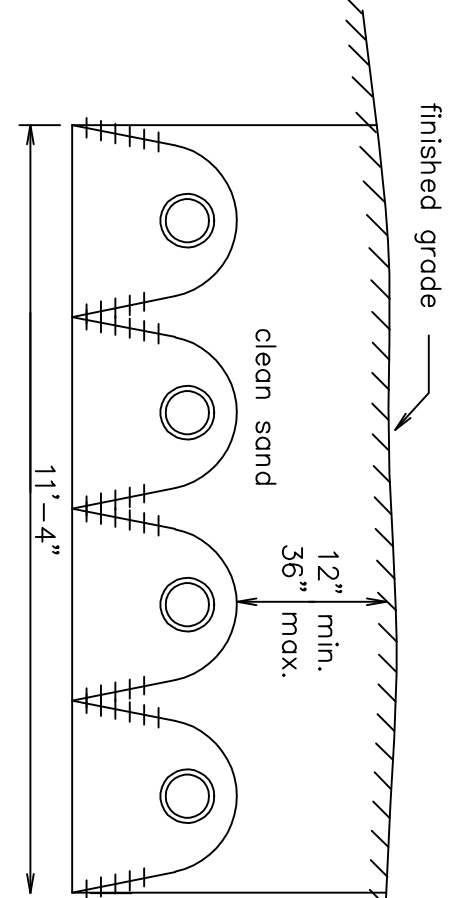
Profile of System



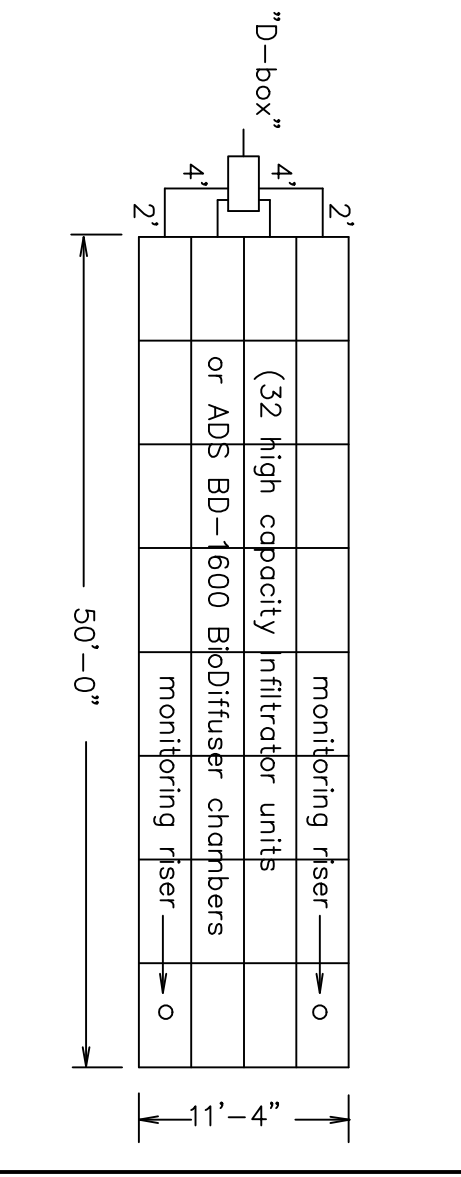
Plan View of System



Typical Leaching Field Cross-Section (no scale)



Leaching Facility Detail (no scale)



Schedule of Elevations

Top of foundation:	see architects	finished grade above structure
Basement floor:	see architects	
Inverts of foundations:	29.80	32.0
Invert of septic tank inlet:	29.60	
Invert of septic tank outlet:	29.35	32.0
Invert of distribution box inlet:		28.17
Invert of distribution box outlet:		28.00
Invert of infiltrator inlet:		27.92
Elevation of field bottom:		27.00
Invert of field bottom:		31.5

Deep Test Pit 22-1 (Surface Elevation: 31.5)

Depth	Horiz.	Soil Description	Date of Test: February 23, 2022
0'-4"	A	Loomy SAND	0'-3"
4'-24"	B	Sandy LOAM	3'-17"
24'-42"	C1	Sandy LOAM to Silt LOAM (NG)	17'-34"
42'-126"	C2	m-c SAND with Gravel	34'-126"

Deep Test Pit 22-2 (Surface Elevation: 31.6)

Depth	Horiz.	Soil Description	Date of Test: February 23, 2022
0'-4"	A	Loomy f-m SAND	0'-3"
4'-24"	B	Sandy LOAM	3'-17"
24'-42"	C1	Silt LOAM (NG)	17'-34"
42'-126"	C2	m-c SAND with Stones	34'-126"

Deep Test Pit 23-3 (Surface Elevation: 31.6)

Depth	Horiz.	Soil Description	Date of Test: October 13, 2022
0'-4"	A	Loomy SAND	0'-4"
4'-18"	B	Sandy LOAM	4'-21"
18'-39"	C1	Sandy LOAM to Silt LOAM (NG)	21'-40"
39'-120"	C2	m-c SAND with Gravel	40'-120"

Deep Test Pit 22-4 (Surface Elevation: 31.5)

Depth	Horiz.	Soil Description	Date of Test: October 13, 2022
0'-4"	A	Loomy f-m SAND	0'-4"
4'-24"	B	Sandy LOAM	4'-21"
24'-42"	C1	Silt LOAM (NG)	21'-40"
42'-126"	C2	m-c SAND with Stones	40'-120"

Percolation Test Data

test pit #	date	top of 12" of water depth from top of pit	elevation	rate: (mp)
22-2	2/23/22	48"	27.5	<2
22-4	10/13/22	48"	27.6	<2

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.
- 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:
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: 440/220 x 200% = 880/440 gallons (minimum)
Septic tank provided: two at 1500 gallons each
- Design percolation rate: 2 MPD
 Soil texture 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

- X--- 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 catch basin
- W Denotes extra heavy cast iron
- R Denotes water service
- Denotes approximate property line
- O.W. Denotes overhead wires
- D Denotes storm drain pipe

Proposed Sewage Disposal System

To Serve an Existing Four-Bedroom Dwelling
 And A Proposed Two-Bedroom Dwelling
 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: July 20, 2023 (second dwelling connection)

designed by: CPA	drawn by: CPA	checked by: CHD
Schofield, Borhini & Hoehn, Inc. 12 Surveyor's Lane, Box 339 Vineyard Haven, Mass. 02568 508-693-2781 www.sbhinc.net		
MW 3952-5A		