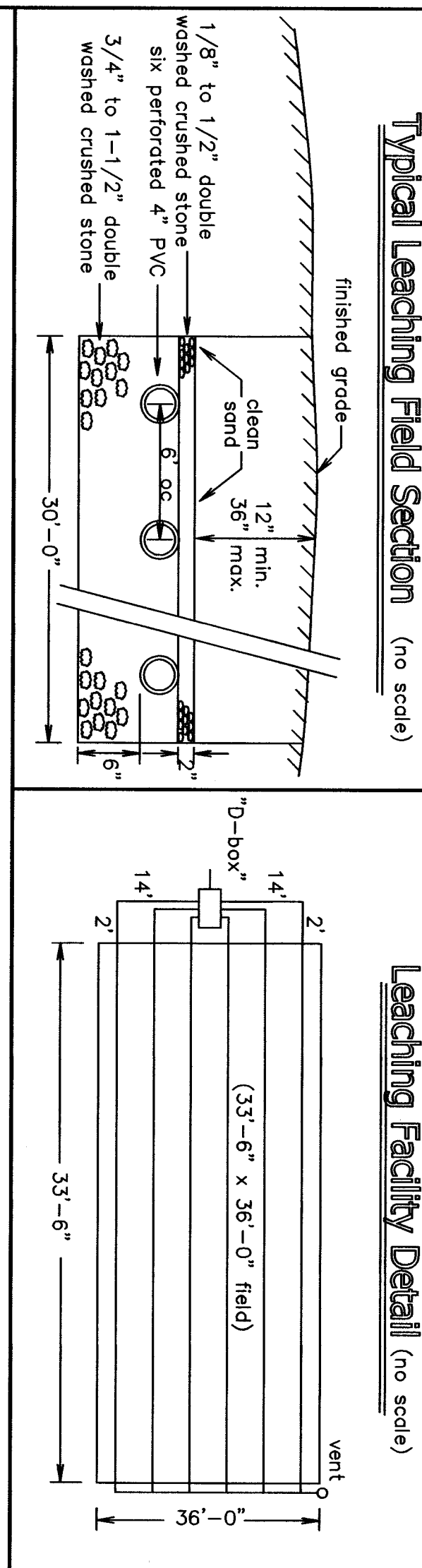
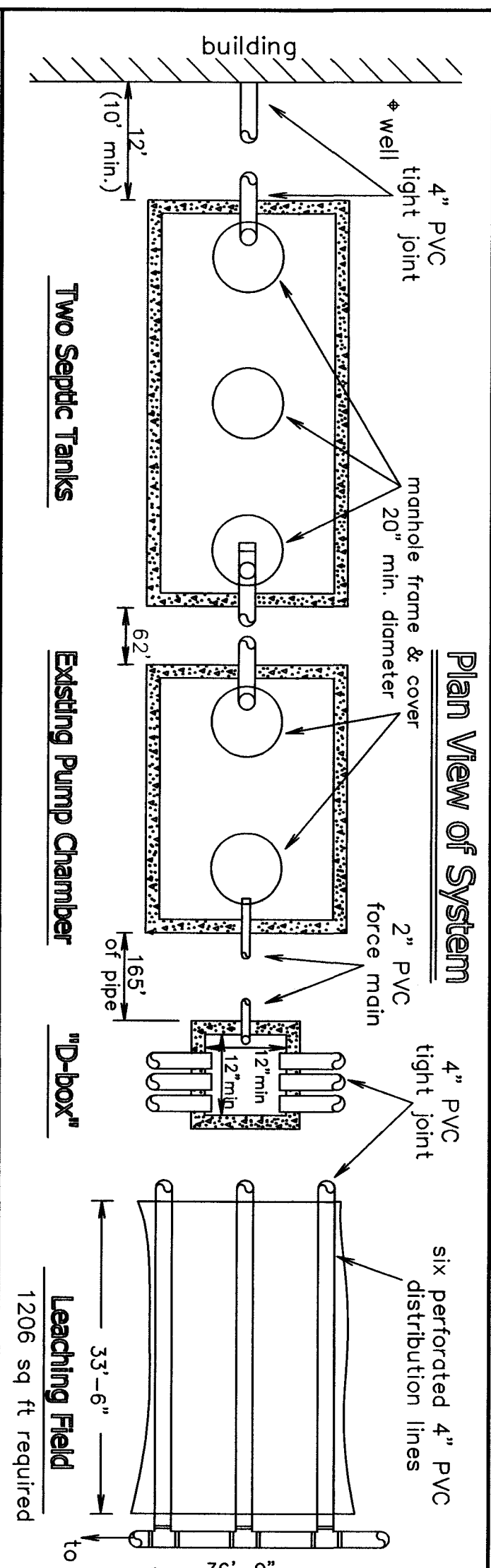
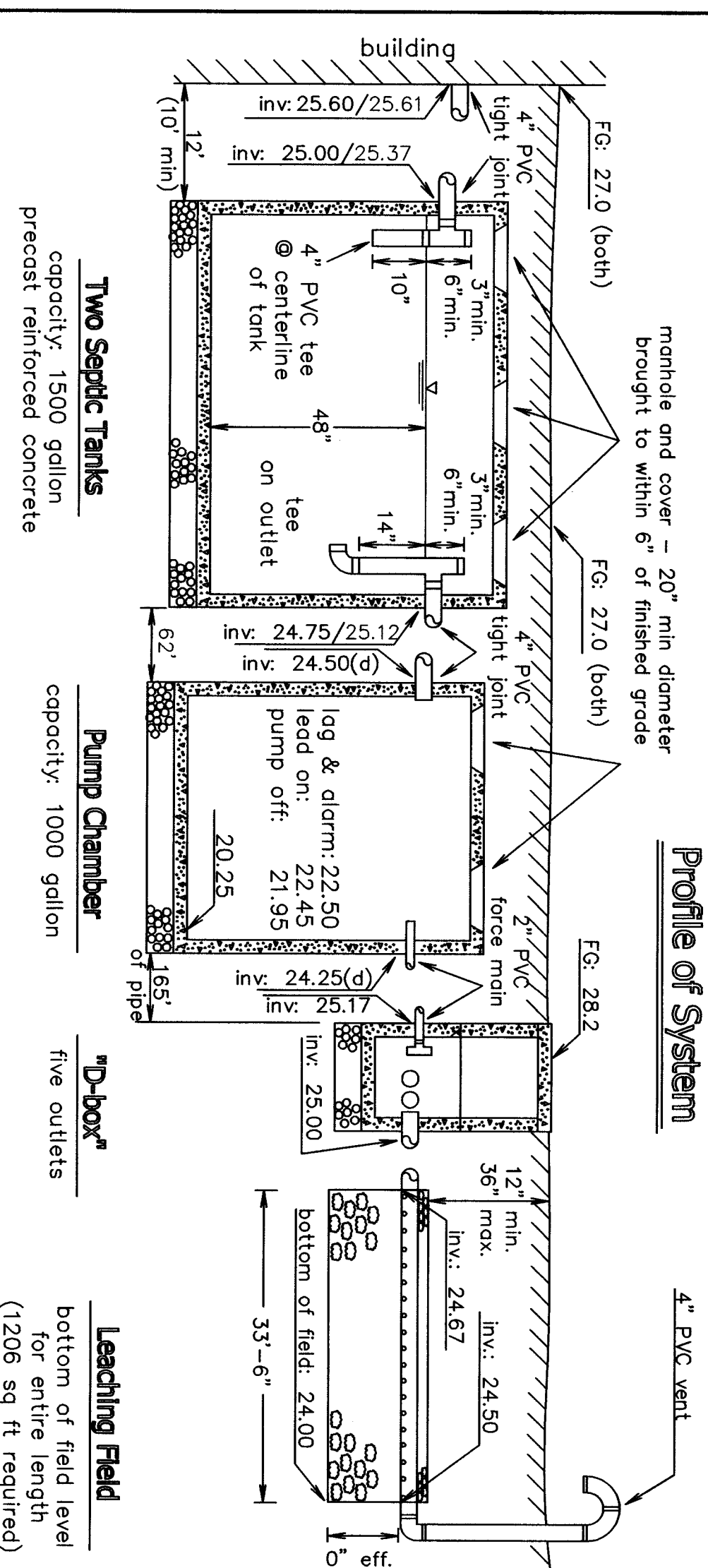
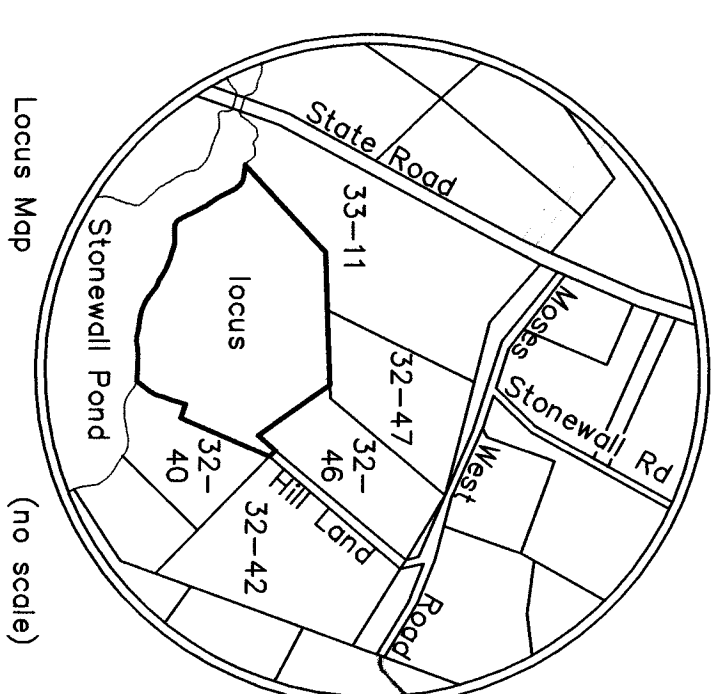
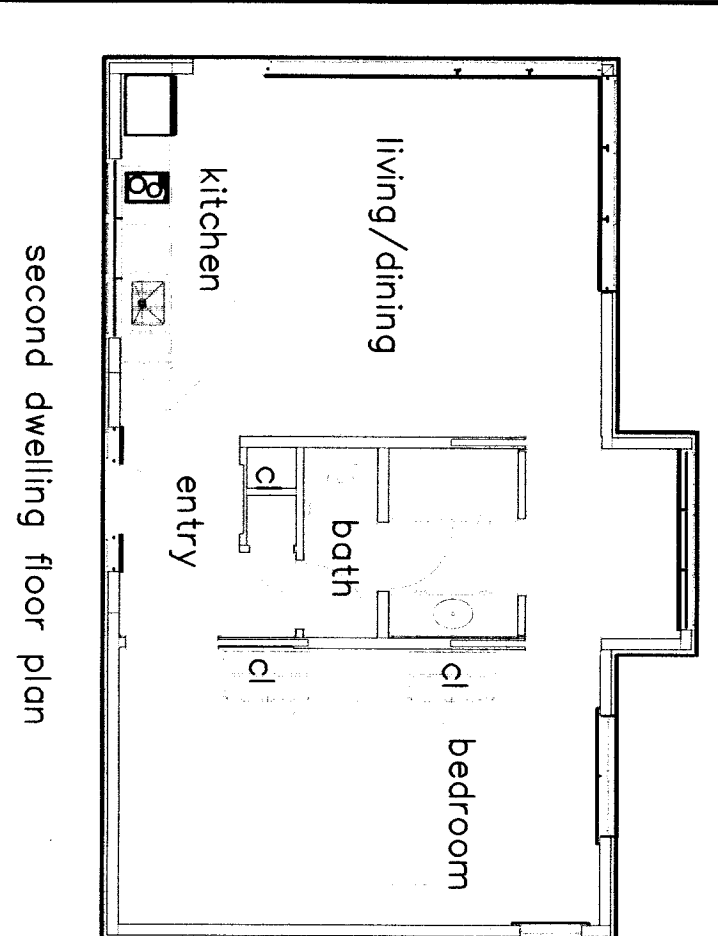
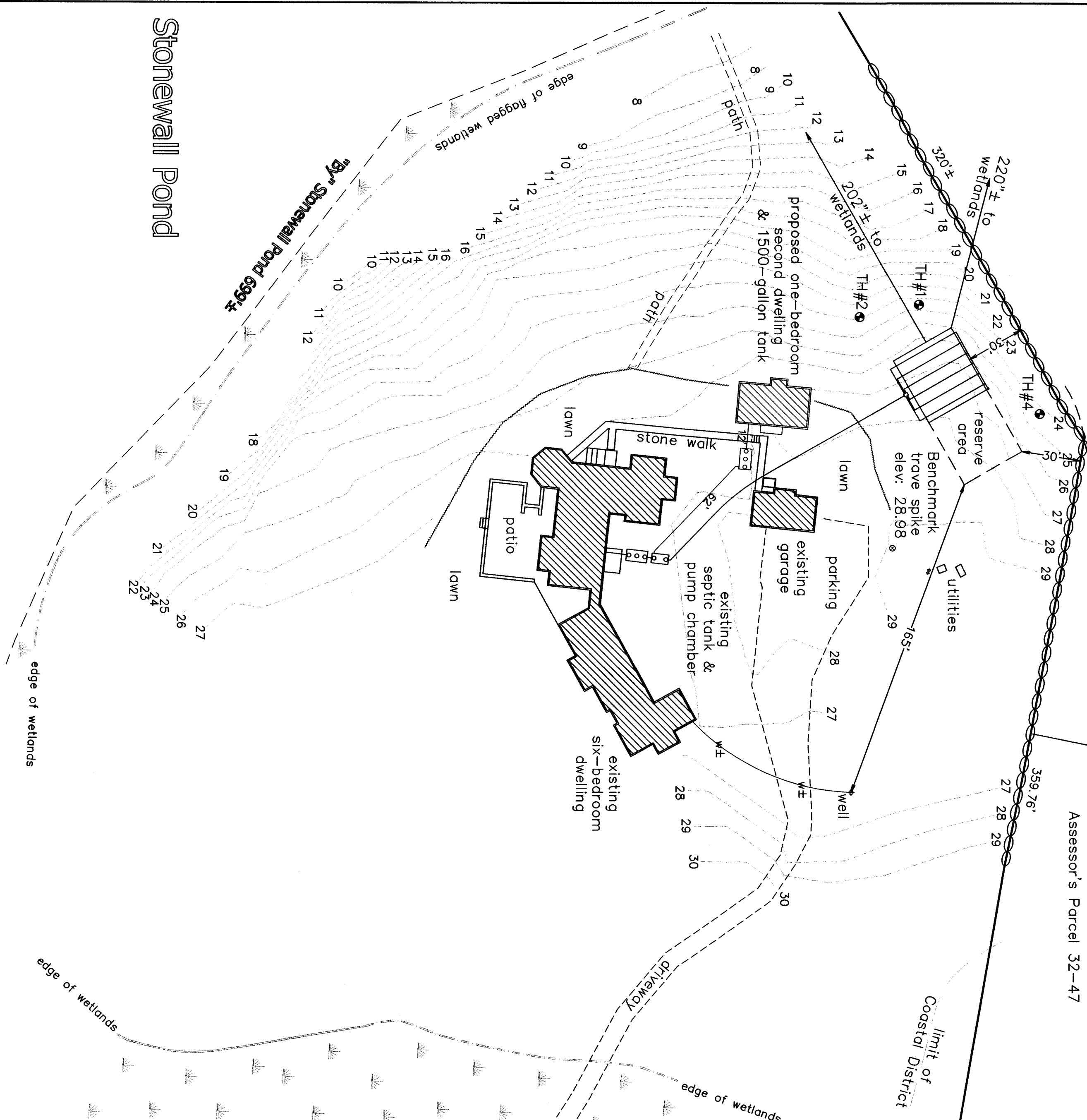


Plot Plan
Scale: 1"=40'
Lot Area: 6.2± acres

- Notes:**
- Invert of foundation to be verified at start of construction
 - Underground utilities to be located at start of construction and relocated as required
 - Septic tank to be set to provide 2% minimum pitch from foundation to septic tank inlet and 1/8" minimum pitch from septic tank outlet to pump chamber inlet
 - See original system design by Schofield, Barhini, & Hoehn, Inc. dated July 30, 1999, revised August 25, 1999
 - Wetlands delineated by Cooper Environmental Services, Inc.
 - The 100-year flood elevation at locus is 11

Assessor's Parcel 33-11

Assessor's Parcel 32-47



Schedule of Elevations

First floor elevation:	27.60 (see arch's)	finished grade above structure
Basement floor:	19.10± (see crawl)	
Inverts at foundation:	25.60/25.61	27.0 (both)
Invert at septic tank inlet:	25.00/25.37	
Invert at septic tank outlet:	24.75/25.12	27.0 (both)
Invert at pump chamber inlet:	24.50 (d)	
Invert at pump chamber outlet:	24.25 (d)	27.0

Deep Test Pit 1 (Surface Elevation: 21.0)

Depth	Horizon	Soil Description
0'-10"	A	f Sandy LOAM
10'-20"	B	Loamy f SAND
20'-96"	C1	f-m SAND
96'-114"	C2	Mottled Silt LOAM with Clay

Deep Test Pit 2 (Surface Elevation: 22.5)

Depth	Horizon	Soil Description
0'-10"	A	Sandy LOAM
10'-32"	B	Sandy LOAM
32'-72"	C1	Silt LOAM with Clay
72'-96"	C2	Mottled and Stratified Silty CLAY

Deep Test Pit 3 (Surface Elevation: 29.5)

Depth	Horizon	Soil Description
0'-9"	A	Sandy LOAM
9'-24"	B	Sandy LOAM
24'-60"	C	Saturated sandy CLAY

Deep Test Pit 4 (Surface Elevation: 24.5)

Depth	Horizon	Soil Description
0'-12"	A	Loamy f-m SAND
12'-30"	B	Sandy LOAM
30'-114"	C	SAND

General Notes

- Elevations refer to approximate mean sea level datum. See bench mark on plot plan located on traverse spike (elevation: 26.96)
- 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.
- Distribution box cover to consist of 3/4" to 1-1/2" crushed stone free of organics and other deleterious material compacted to a level surface.

Pump Notes

- Pump to be Wylie WHS submersible sewer pump 1/2
- Controls to be for a duplex pumping system
- Force main to be 2" schedule 40 PVC
- Pump to be 2" diameter, 1500 gallon mono-tank
- A separate high water alarm shall be installed on a circuit other than the pump control circuit.

Design Data

- Estimated Hydraulic Loading: Six existing + one proposed + one future = eight bedrooms Eight bedrooms @ 110 GPD/bedroom = 880 GPD Garbage disposal is not allowed with this design.
- Septic Tank Size: Required tank capacity: 680/110 x 200% = 1230/220 gallons (minimum) Septic tank provided: two @ 1500 gallons (one existing)
- Design percolation rate: 5 MPI Soil texture class: I Loading rate: 0.74 GPD/SF
- Leaching Area: Total leaching area provided: 1206 SF
- Maximum Allowable Loading: 1206 SF x 0.74 GPD/SF = 892 GPD Actual hydraulic loading: 880 GPD (eight-bedroom design)

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
W Denotes water service
--- Denotes approximate property line
--- 0.W. --- Denotes overhead wires

Proposed Sewage Disposal System

To Serve an Existing Six-Bedroom Dwelling And a Proposed One-Bedroom Second Dwelling (Eight-Bedroom Original Design Capacity) Assessor Parcel 32-41
Chilmark, Massachusetts

Applicant: The Stonewall Nominee Trust
c/o Schofield, Barhini, & Hoehn, Inc.
PO Box 339
Vineyard Haven, MA 02568
date: June 23, 2023
Ph: 508-693-2781

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