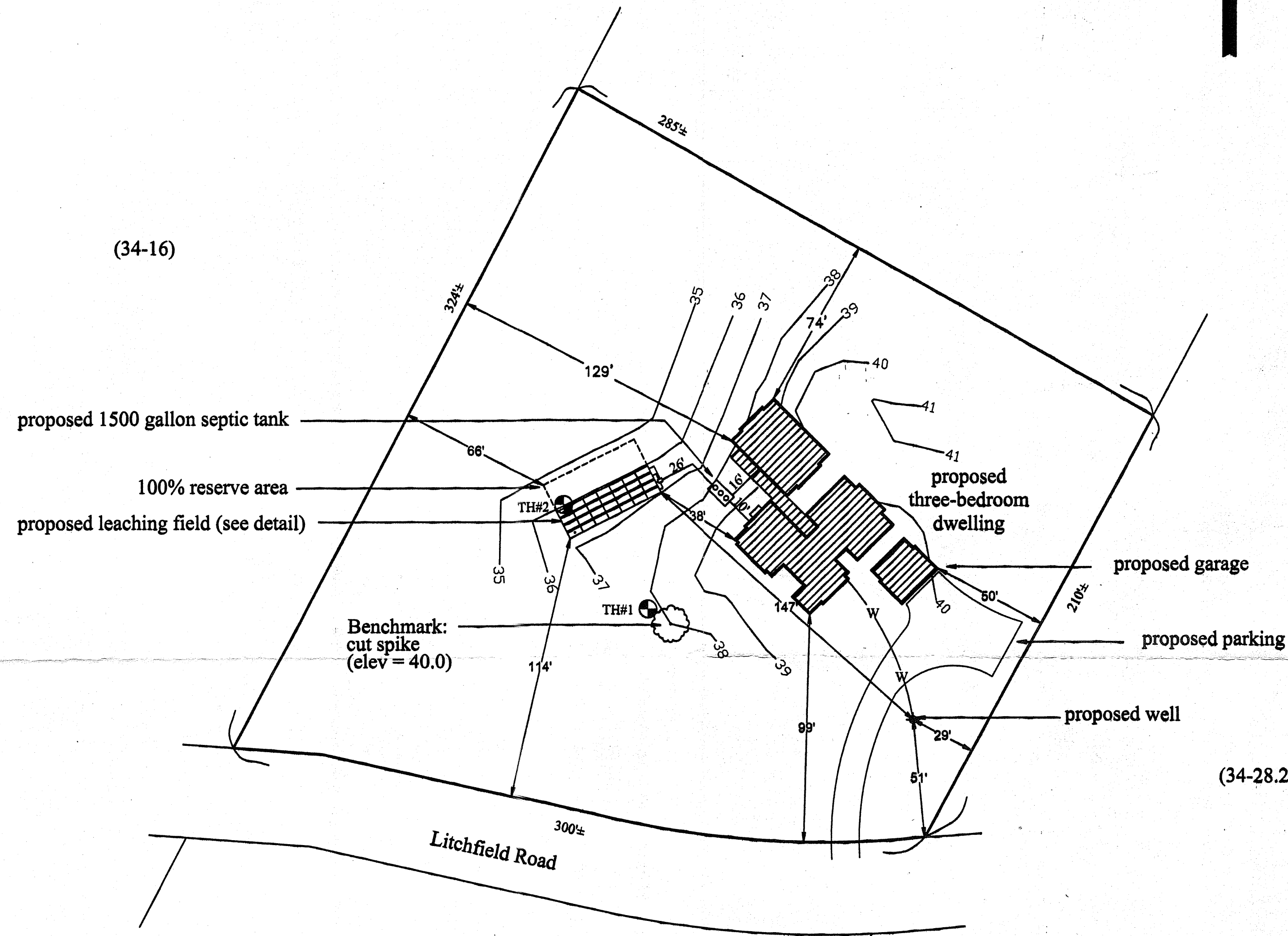


PLOT PLAN
Scale = 1"=40'
Lot Area = 74,000± sq ft

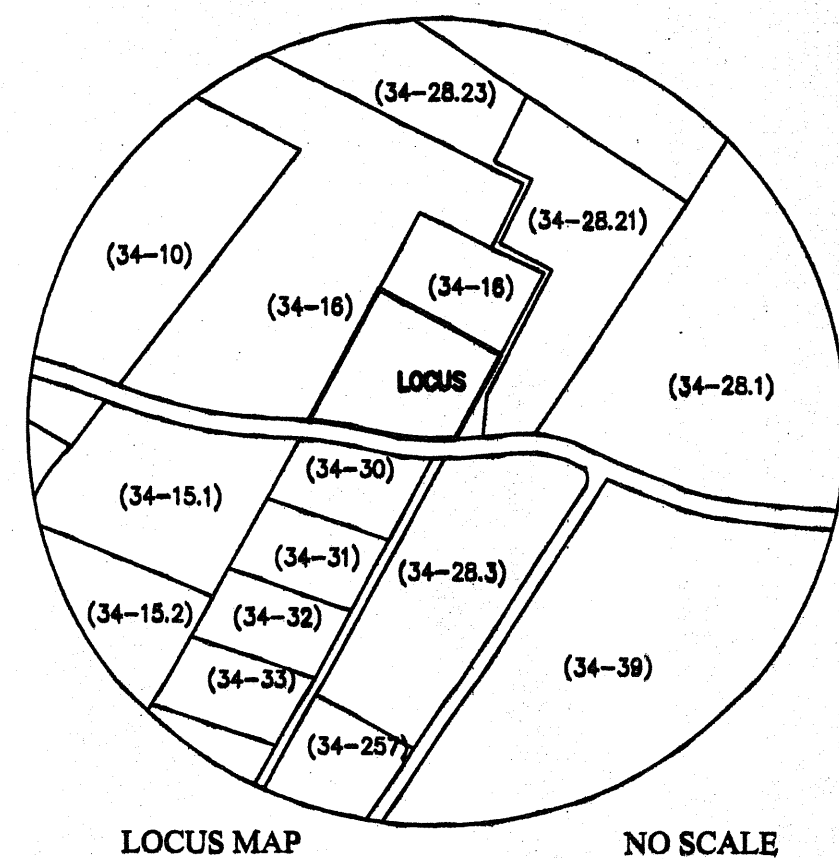
(34-28.22)

(34-16)

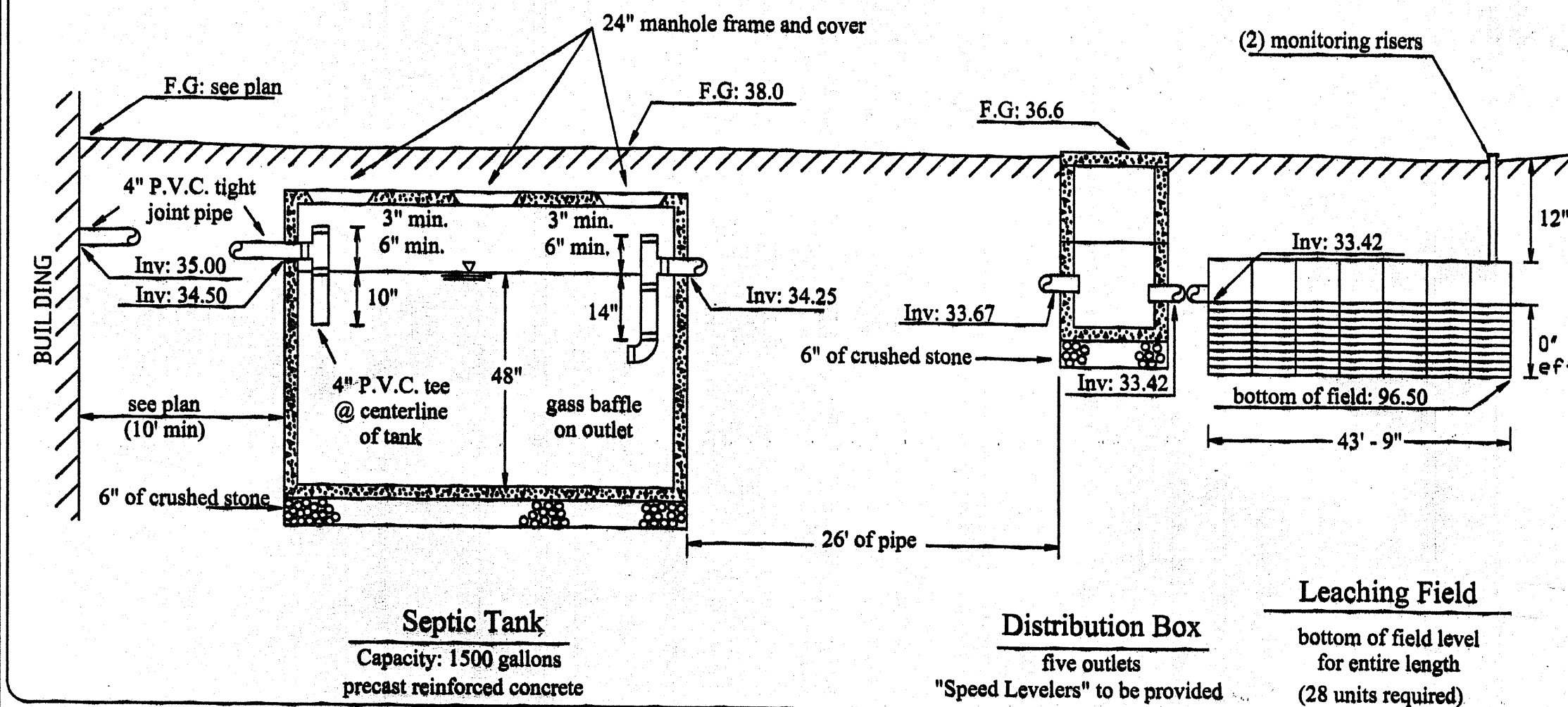


(34-28.21)

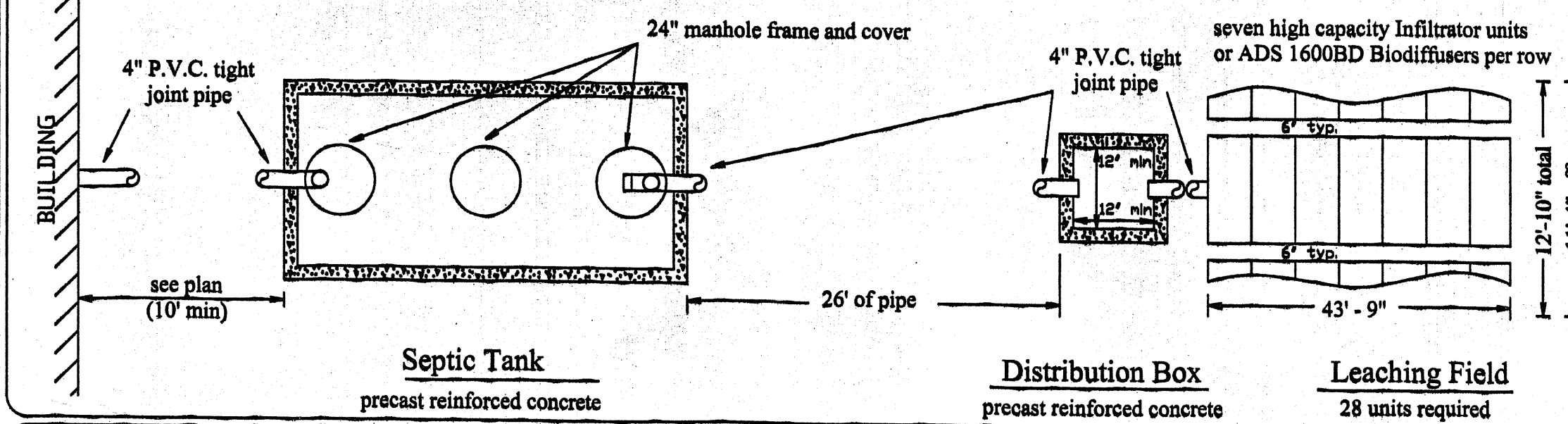
Notes:
A. No wells were found within 100' of the proposed leaching field
B. No leaching facilities were found within 100' of the proposed well



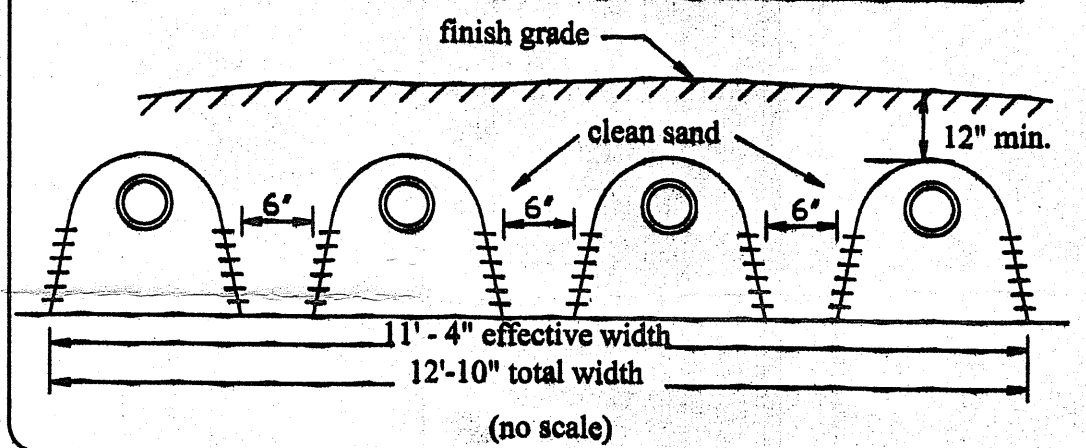
PROFILE OF SYSTEM



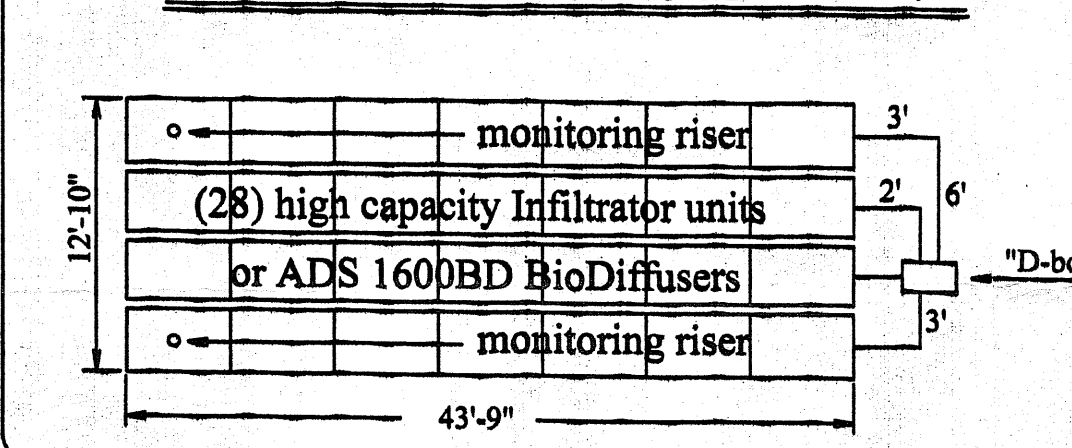
PLAN VIEW OF SYSTEM



TYPICAL LEACHING FIELD CROSS-SECTION



LEACHING FACILITY DETAIL (no scale)



SCHEDULE OF ELEVATIONS

Top of foundation =	see arch's	finish grade above structure	Invert at distribution box inlet =	33.67	finish grade above structure
Basement floor =	n/a (slabs)		Invert at distribution box outlet =	33.50	36.6
Invert of pipe at foundation =	see plan		Invert at infiltrator inlet =	33.42	
Invert at septic tank inlet =	34.50		Elevation of field bottom =	32.50	See Plan
Invert at septic tank outlet =	34.25	38.0	Finished grade over leaching area -	See Plot Plan	

DEEP TEST PIT 1 (Surface Elevation 36.0)			DEEP TEST PIT 2 (Surface Elevation 37.9)			PERCOLATION TEST DATA				
Date of test: January 25, 2006			Date of test: January 25, 2006			TEST PIT NO.	DATE	TOP OF 12" OF WATER	RATE, MINUTES PER INCH	ELEVATION
Depth	Horizon	Soil Description	Depth	Horizon	Soil Description					
0'-5"	E	SAND	0'-6"	E	SAND	1	1/25/06	36"	33.0	<10
5'-31"	B	Sandy LOAM	6'-34"	B	Loamy SAND with Cobbles					
31'-138"	C	SAND and Loamy SAND	34'-132"	C	SAND and Loamy SAND with Gravel					
Groundwater was not encountered at a depth of 138" (elevation: 24.5)			Groundwater was not encountered at a depth of 132" (elevation: 26.9)							

I CERTIFY THAT ON APRIL, 1995, I HAVE PASSED THE EXAMINATION APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE, AND EXPERIENCE DESCRIBED IN 310 CMR 15.018 (2).

GENERAL NOTES

- Elevations refer to approximate mean sea level datum. See Bench Mark on Plot Plan located on a cutspike in oak (elevation = 40.0)
- Finished grading to be done in accordance with Plot Plan.
- Percolation tests performed in accordance with the Instructions in Title 5 of the Massachusetts State Environmental Code.
- All construction to conform to Title 5 of the Massachusetts State Environmental Code, and the Board of Health requirements for the Town of Edgartown
- All topsoil, subsoil and deleterious material, if any, must be excavated and removed below the leaching field and to a distance of 5 feet from all sides of the leaching field. Excavate down to 6 inches below the surface of the natural permeable soil. Backfill as required with materials meeting the requirements of Section 15.255 (3) of Title 5 of the Massachusetts State Environmental Code. Construct trenches in this material.
- Septic tank and distribution box shall be watertight after construction, including covers.
- No driveway, parking or turning area or other impervious area 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 this system unless constructed as 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 an agent of the Board of Health.
- The design engineers 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, septic tank should be inspected at least once a year and when the total depth of scum and solids exceeds 1/3 the liquid depth of the tank, the tank should be pumped.
- Distribution Box Cover to be brought to finish grade.

DESIGN DATA

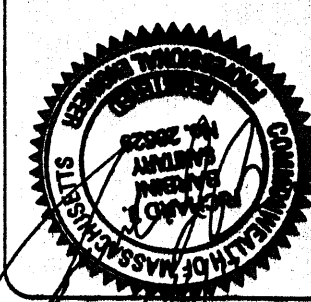
- Estimated hydraulic loading:
Four bedrooms at 110 gallons per day per bedroom = 440 G.P.D.
Garbage disposal is not allowed with this design.
- Septic Tank Size:
Required tank capacity: 440 x 200% = 880 gallons (minimum)
Septic tank provided: 1500 gallons.
- Design percolation rate: 10 M.P.I.
Soil textural class: II
Loading rate: 0.60 gallons/S.F.
- Leaching area:
Total leaching area provided: 495 S.F.
- Maximum Allowable Loading:
495 S.F. x 1.67 (chamber general permit) x 0.60 GPD/S.F. = 495 GPD
Actual hydraulic loading: 440 GPD

LEGEND

- XX Denotes proposed contour
- F.G. = XX.X Denotes proposed finished grade
- XX--- Denotes existing contour
- ⊙ Denotes test hole location
- P.V.C. Denotes polyvinyl chloride pipe, Sch. 40, unless noted
- Denotes catch basin
- E.H.C.I. 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 Three-Bedroom Dwelling and Future Expansion to Four Bedrooms
149 Litchfield Road Assessor Parcel 34-29
Edgartown (Chappaquiddick), Massachusetts
Applicant: John Johannessen Phone: (508) 939-8601
38 Old Indian Trail Edgartown, MA 02535

Date: May 13, 2011 Scale: as noted
Revised: June 6, 2011 (footprint)
designed by: MT drawn by: MT checked by: RJB
SCHOFIELD, BARBINI & HOEHN, INC., CIVIL ENGINEERS & LAND SURVEYORS, BOX 339, VINEYARD HAVEN, MA 02568



RECEIVED
JUN 08 2011
EDGARTOWN BOARD OF HEALTH

Job No. MV- 3737

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