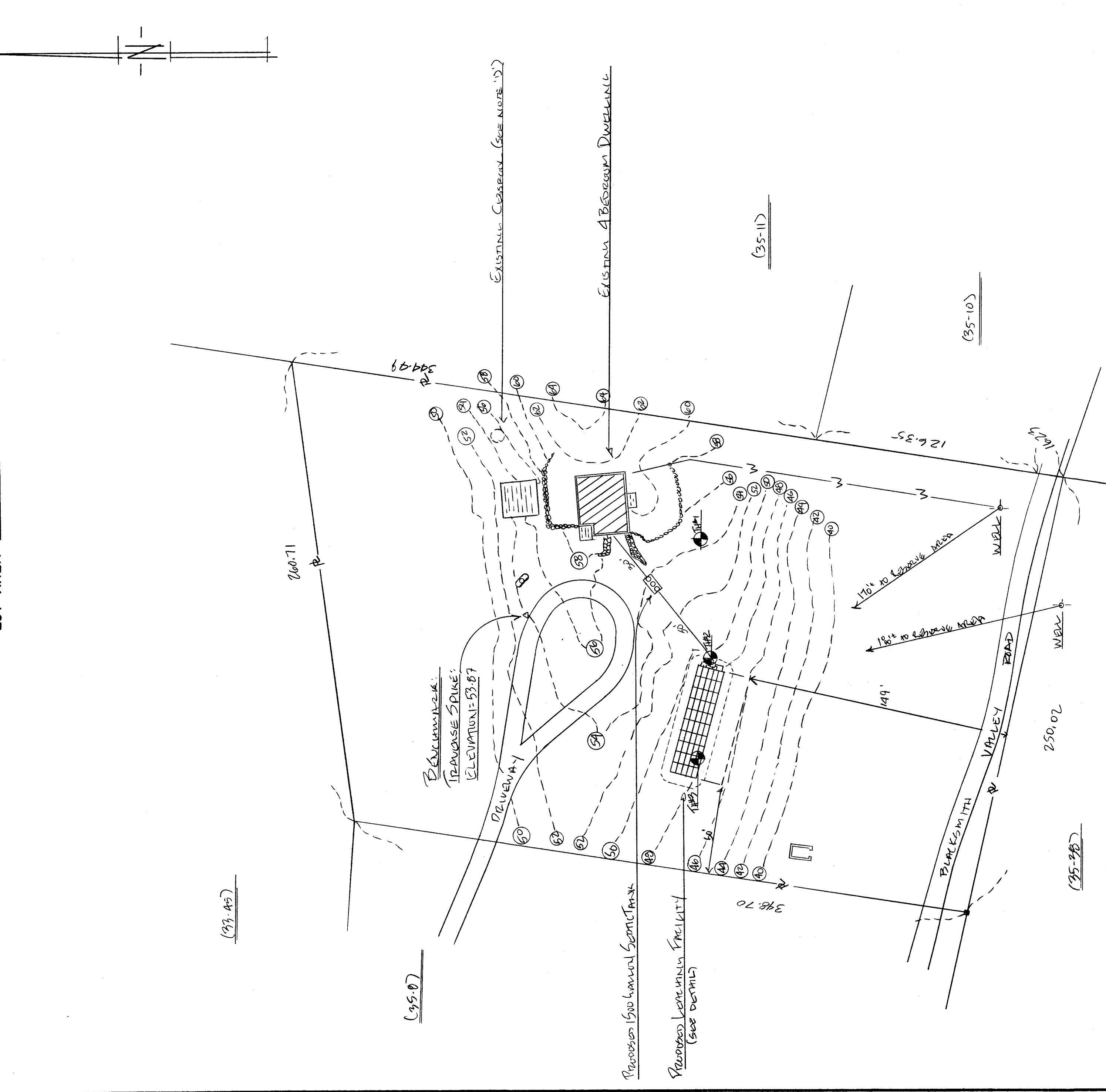
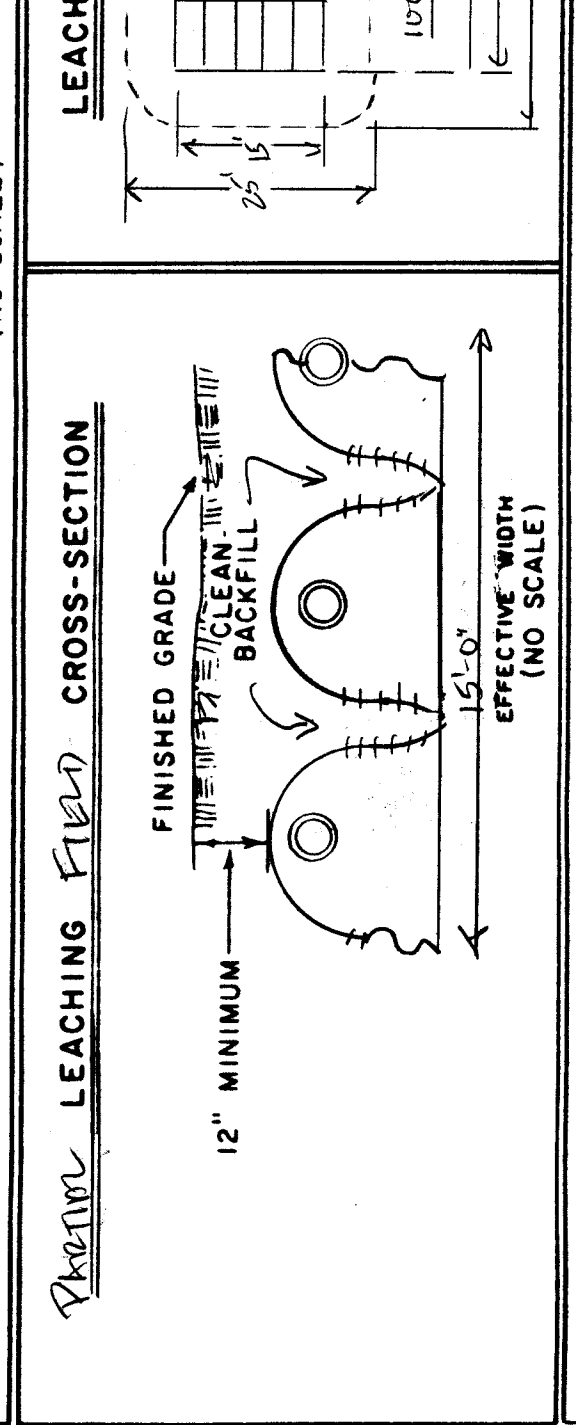
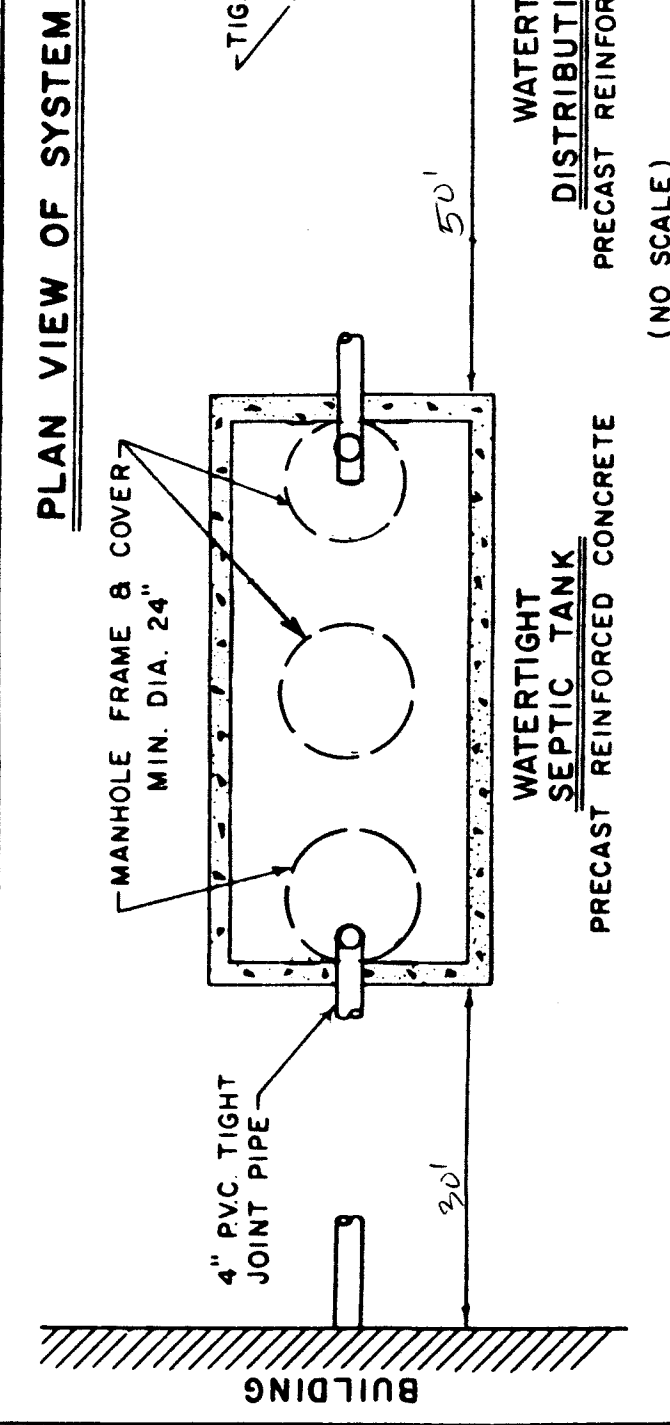
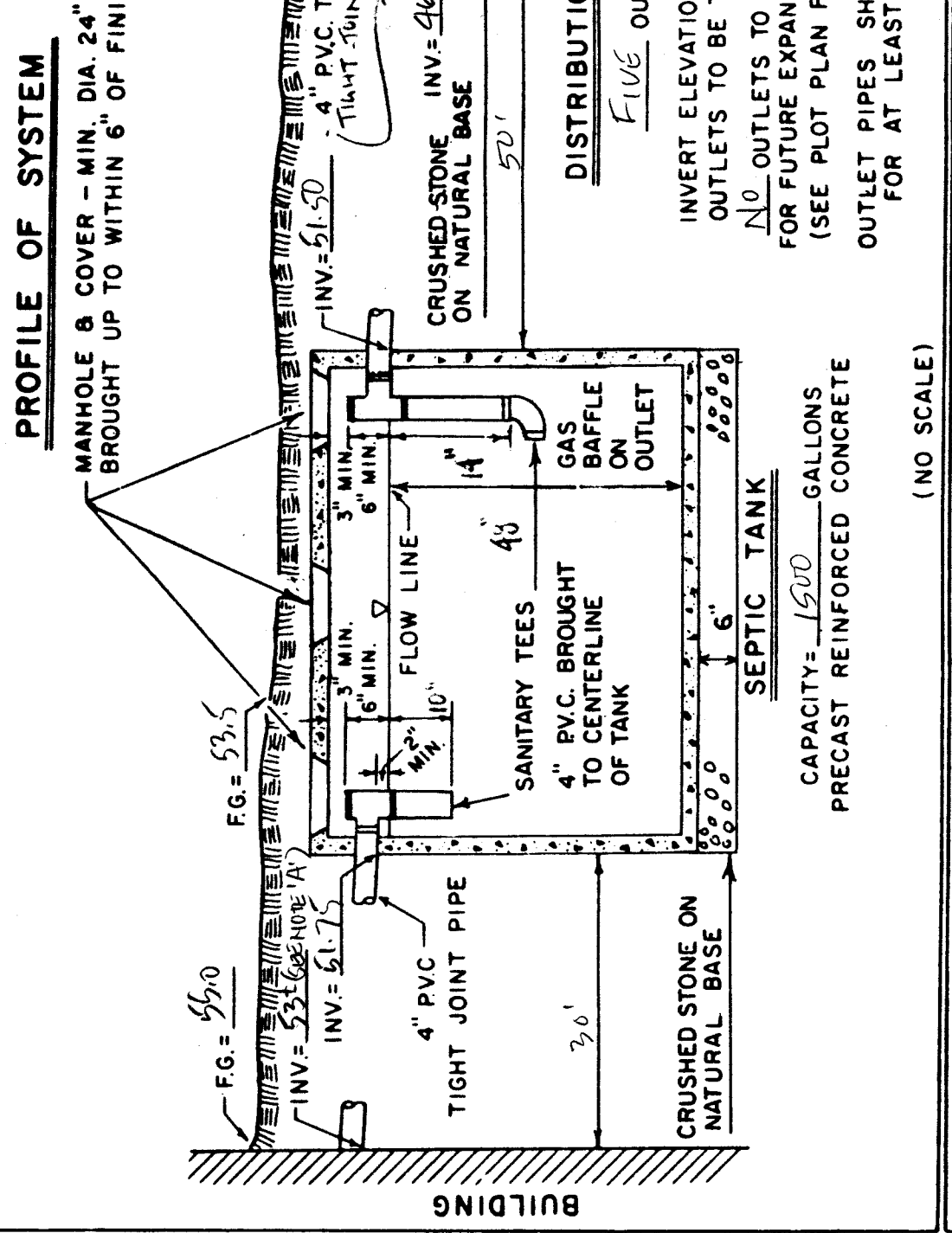
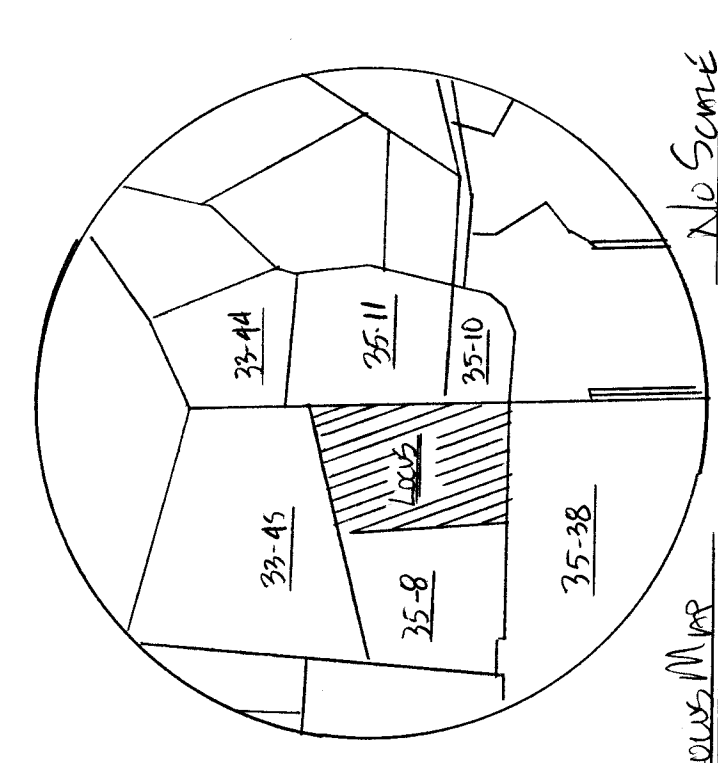


PLOT PLAN
SCALE: 1"=40'
LOT AREA = 2,125 SQ. FT.



- Notes:**
- Replumbing is required. Invert at foundation to be verified at start of construction.
 - Underground utilities to be located at start of construction.
 - Periscope to be brought to finish grade.
 - Cesspool to be abandoned, pumped & backfilled with clean sand.
 - No new water found within 150' of the proposed leaching facility.



SCHEDULE OF ELEVATIONS

Item	Finished Grade Above Structure
Top of foundation	EXISTENTIAL
Basement floor	EXISTENTIAL
Invert of pipe at foundation	53.0
Invert of septic tank inlet	51.75
Invert of septic tank outlet	51.50
Invert at distribution box inlet	46.25
Invert at distribution box outlet	49.0
Elevation of field bottom	46.50
Finished grade over leaching area	See Plot Plan

SOIL TEST DATA

DEEP TEST PIT	DATE OF TEST	DEPTH	HORIZON	SOIL DESCRIPTION	NO. OF TESTS
DEEP TEST PIT 1	29, 2000	0-10"	A ₁	Sandy loam	10/16/06
		10"-20"	B	Sandy loam	10/16/06
		20"-30"	C	Clay + Cob. Till (No) 10/16/06	
		30"-40"	C ₁	Clay + Cob. Till (No) 10/16/06	
		40"-44"	C ₂	SANDY SAND	2/17/06
		44"-50"	C ₃	SANDY CLAY	2/17/06
		50"-52"	C ₄	SANDY CLAY	2/17/06
		52"-53"	C ₅	SANDY CLAY	2/17/06
DEEP TEST PIT 2	29, 2000	0-10"	A ₁	Sandy loam	10/16/06
		10"-20"	B	Sandy loam	10/16/06
		20"-30"	C	Clay + Cob. Till (No) 10/16/06	
		30"-34"	C ₁	Clay + Cob. Till (No) 10/16/06	
		34"-40"	C ₂	SANDY SAND	2/17/06
		40"-44"	C ₃	SANDY CLAY	2/17/06
		44"-50"	C ₄	SANDY CLAY	2/17/06
		50"-52"	C ₅	SANDY CLAY	2/17/06
DEEP TEST PIT 3	29, 2000	0-10"	A ₁	Sandy loam	10/16/06
		10"-20"	B	Sandy loam	10/16/06
		20"-30"	C	Clay + Cob. Till (No) 10/16/06	
		30"-34"	C ₁	Clay + Cob. Till (No) 10/16/06	
		34"-40"	C ₂	SANDY SAND	2/17/06
		40"-44"	C ₃	SANDY CLAY	2/17/06
		44"-50"	C ₄	SANDY CLAY	2/17/06
		50"-52"	C ₅	SANDY CLAY	2/17/06
DEEP TEST PIT 4	29, 2000	0-10"	A ₁	Sandy loam	10/16/06
		10"-20"	B	Sandy loam	10/16/06
		20"-30"	C	Clay + Cob. Till (No) 10/16/06	
		30"-34"	C ₁	Clay + Cob. Till (No) 10/16/06	
		34"-40"	C ₂	SANDY SAND	2/17/06
		40"-44"	C ₃	SANDY CLAY	2/17/06
		44"-50"	C ₄	SANDY CLAY	2/17/06
		50"-52"	C ₅	SANDY CLAY	2/17/06

I CERTIFY THAT ON APRIL 19, 2000 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, EXPERIENCE, AND EXPERIENCE DESCRIBED IN 310 CMR 15.018 (2).

Christina R. Alvey

- GENERAL NOTES**
- Elevations refer to Mean Sea Level. See Bench Mark on Plot Plan located on TRAVELER DRIVE, ELEV: 53.67.
 - 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 Blue Stem.
 - All toilet, bathtub and shower material, if any, must be encased and sealed below the leaching field and trench. The trench for 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 5.255 (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, Barbin & 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, Barbin & 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 engineer and the system installer shall certify in writing to the approving authority that the system has been constructed in compliance with the approved plan.
 - For proper performance, septic tank should be inspected at least once a year and when the total depth of scum and solids exceeds the liquid depth of the tank, the tank should be pumped.
 - Design Engineer: Christopher Barbin, P.E., 339 VINEYARD AVENUE, WENDELL, MA 01986

DESIGN DATA

- Estimated Hydraulic Loading: 110 gallons per day per bedroom = 440 GPD. Garbage disposal is NOT allowed with this design.
- Septic Tank Size: Average daily flow = 440 x 2.00 = 880 gallons (minimum). Septic tank provided = 2500 gallon capacity.
- Design percolation rate = 5 M.P.I. Soil texture class = S.
- Leaching rate = 0.74 gallons/SF. Loading rate = 937 SF x 0.74 gal/SF = 693 gal. Total leaching area provided = 937 SF x 0.74 gal/SF = 693 gal. (SEE PLOT PLAN).
- Maximum allowable loading (under Title 5) = 693 gallons (SEE PLOT PLAN). Actual hydraulic loading = 440 gallons.

- LEGEND**
- XX - Denotes proposed contour
 - FG - XX - Denotes proposed finished grade
 - XX--- Denotes existing contour
 - XXXX Denotes existing spot elevation
 - Denotes test hole location
 - PVC 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— Denotes overhead wires
 - D— Denotes storm drain pipe

PROPOSED SEWAGE DISPOSAL SYSTEM

To Serve An Existing Four Bedroom Dwelling
3 Blue Stem Lane, Blue Stem, MA 01922
339 VINEYARD AVENUE, WENDELL, MASSACHUSETTS
 APPLICANT: CHRISTOPHER BARBIN, P.E. TEL. NO. 508.683.2781
 DATE: JUNE 19, 2000 SCALE: AS NOTED
 REV: MARCH 10, 2006 REV: OCT 17, 2003
 DESIGNED BY: CPA DRAWN BY: CPA CHECKED BY: CPA
 SCHOFIELD, BARBIN & HOEHN, INC. CIVIL ENGINEERS
 & LAND SURVEYORS, BOX 339, VINEYARD AVENUE, MA 01986