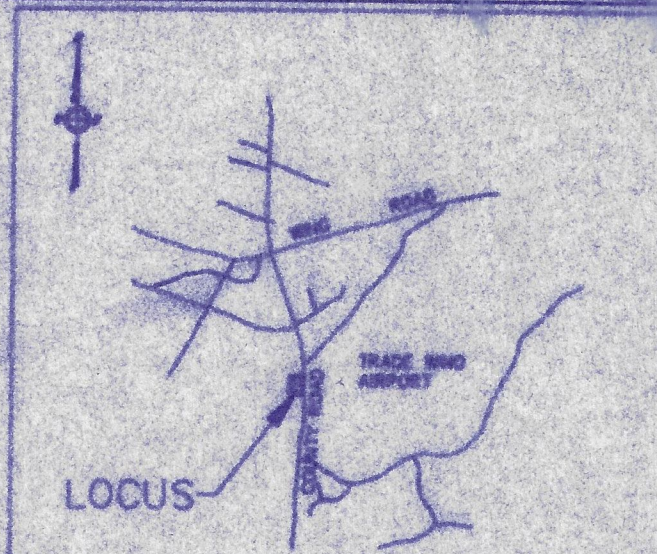
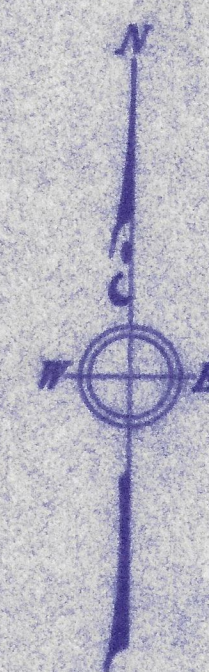
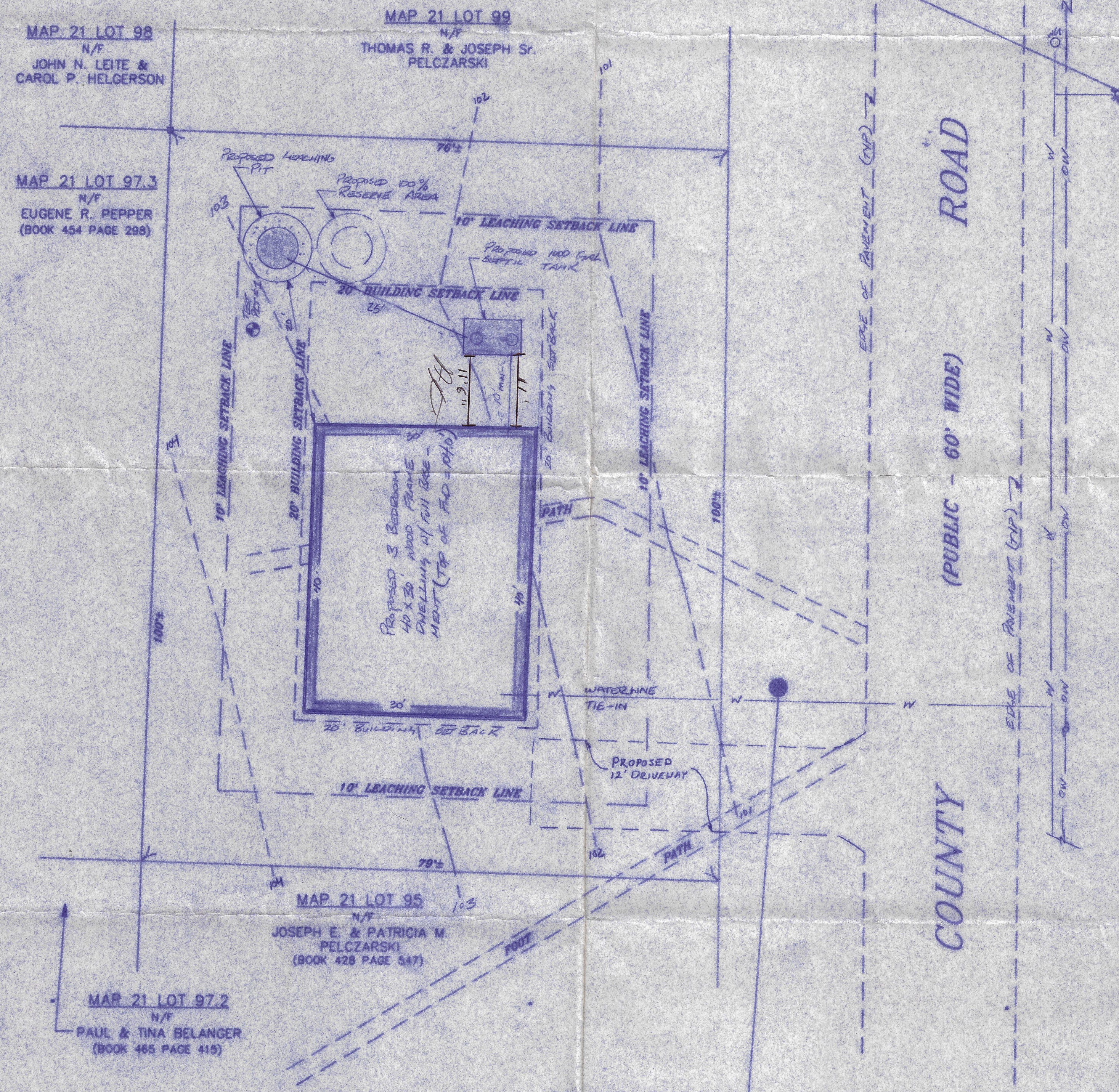


PLOT PLAN
 SCALE: 1" = 10' DATUM: ASSUMED
 LOT AREA = 6,970 Sq Ft



BENCHMARK
 ON HOLD DOWN BOLT OF FIRE
 HYDRANT; ELEV. = 99.63 (ASSUMED)

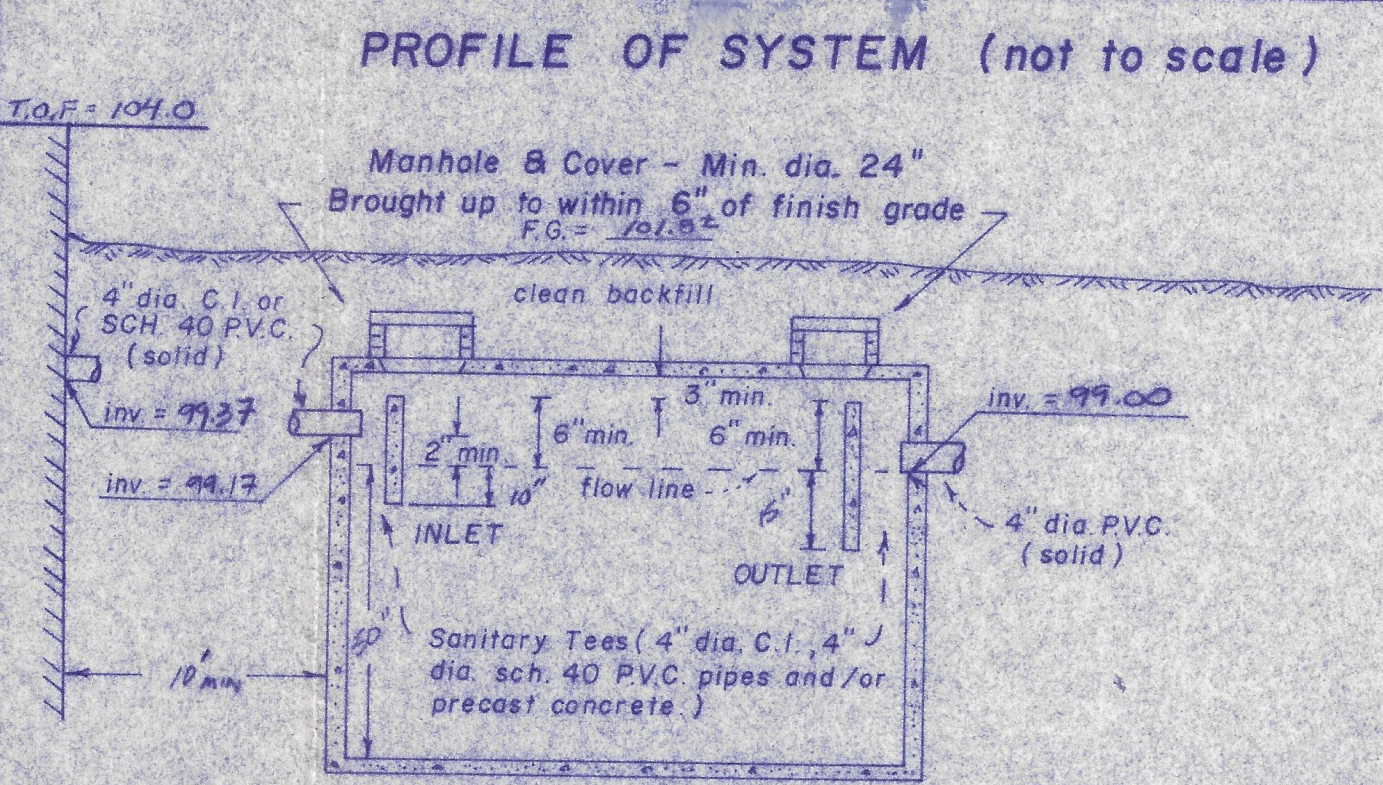
LOCUS MAP:
 Traced From U.S.G.S.
 Vineyard Haven Quad Scale: 1" = 2083'±



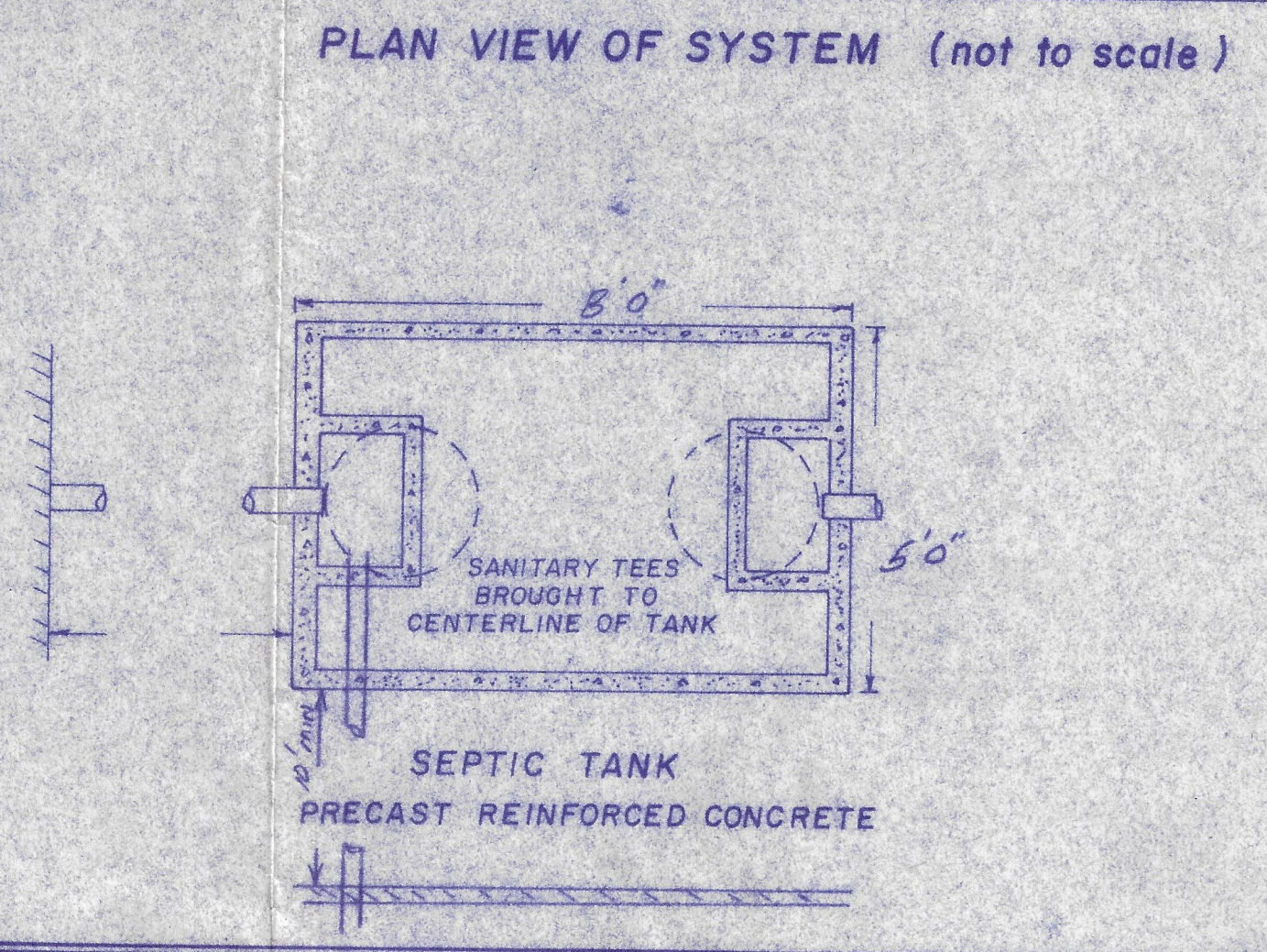
BENCHMARK
 GALVANIZED SPIKE SET IN TRIPLE
 OAK; ELEV. = 102.39 (ASSUMED)

ZONING:
 Zoned: District R-2 - "Residential"
 Item Required
 Minimum Lot Size 20,000 Sq Ft
 Minimum Lot Frontage 115 Feet
 Minimum Front Yard 25 Feet
 Minimum Side Yard 20 Feet
 Minimum Rear Yard 20 Feet

The Estimated Separation from Ground Water to the Bottom of the Leaching Facility Shown is 91' feet. This is Not Based on Actual Site Measurements but from Information Taken from the Map by Delaney, Published by the U.S. Geological Survey, 1980 Atlas 4A-61B

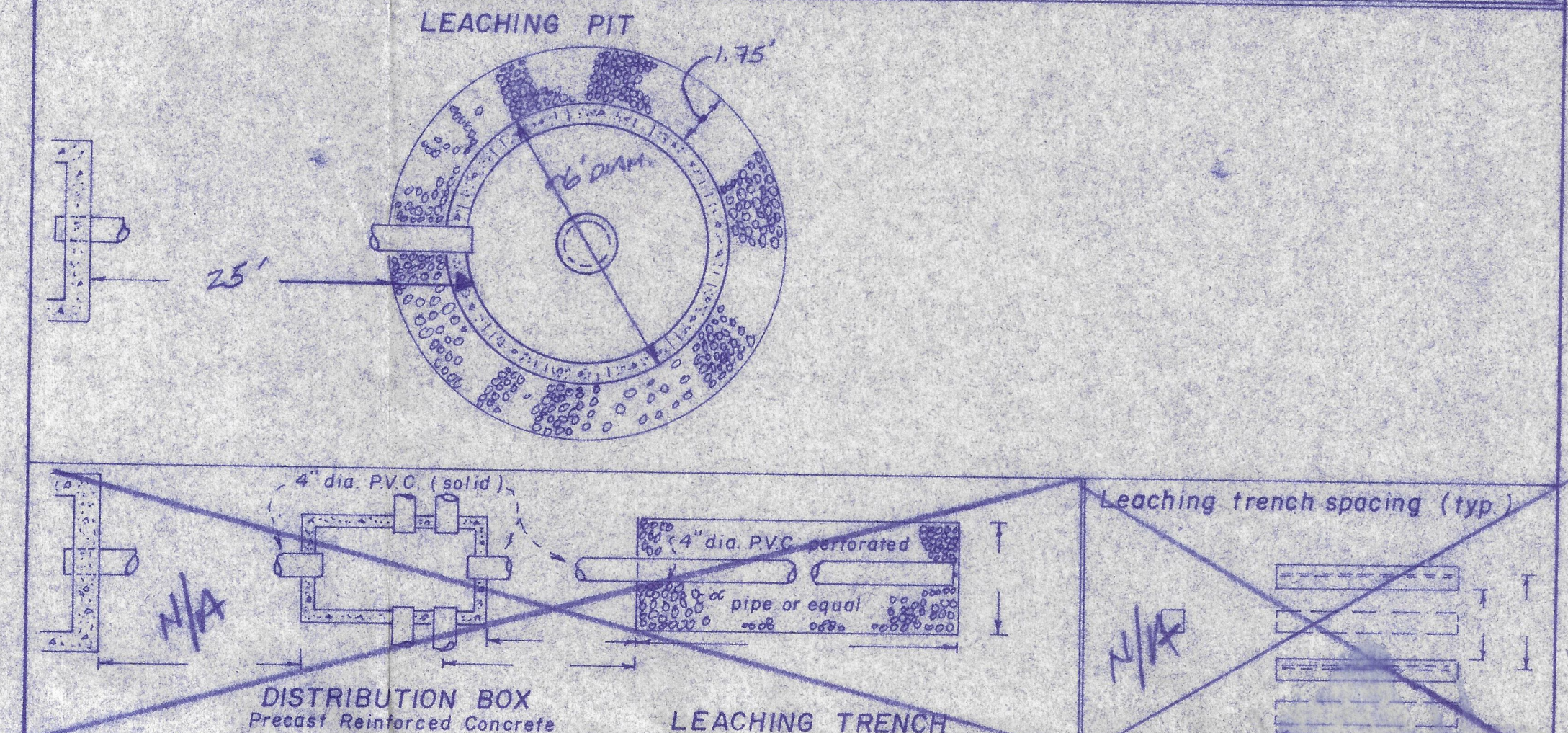
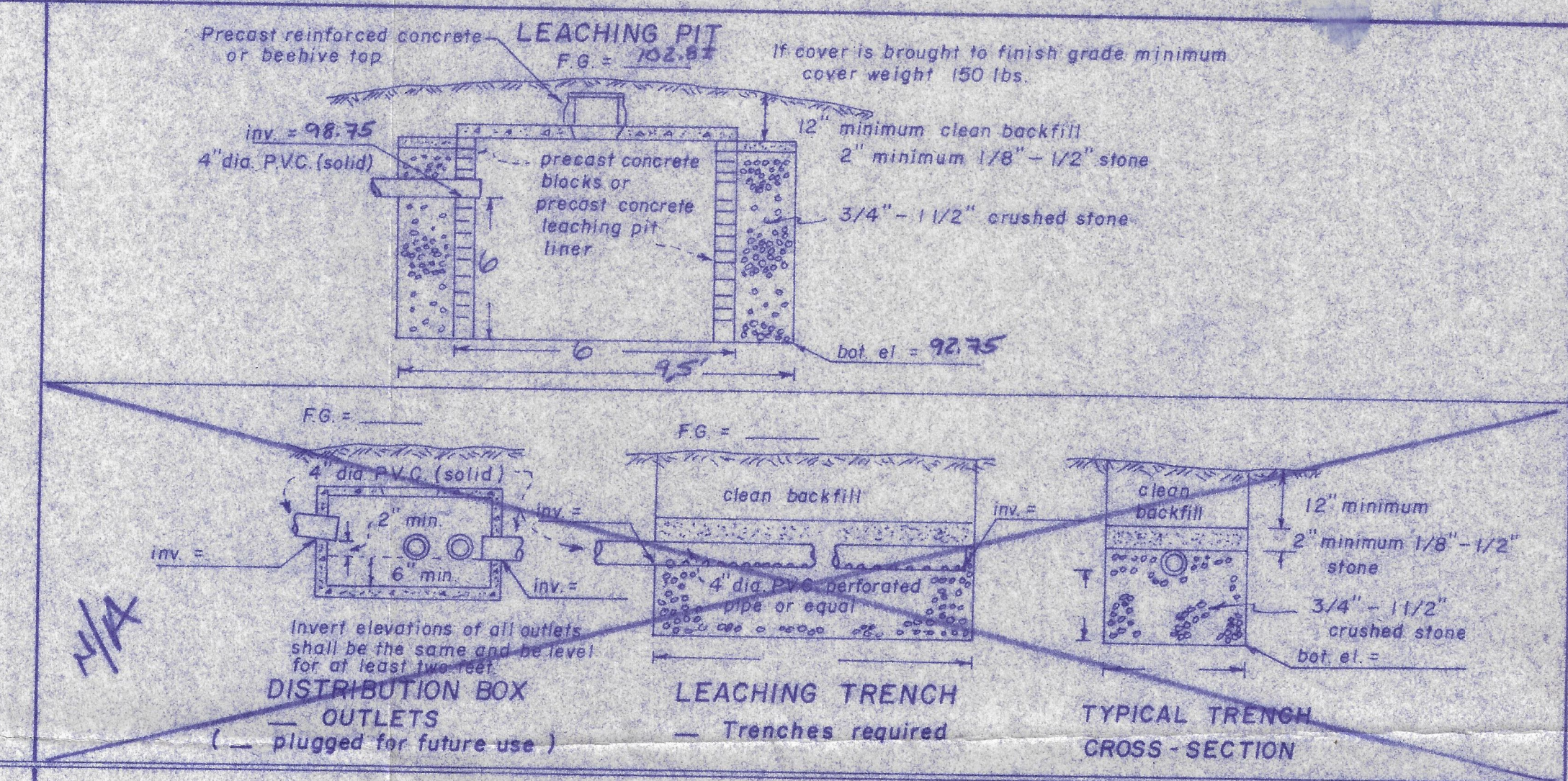


SEPTIC TANK
 PRECAST REINFORCED CONCRETE
 CAPACITY 1000 GALLONS



SEPTIC TANK
 PRECAST REINFORCED CONCRETE

- NOTES**
- Elevations refer to Assumed Datum
 - Bench Mark (BM) see plot plan elevation 99.63
 - Finish grading to be done in accordance with plot plan and schedule of elevations.
 - Heavy machinery shall not be permitted to pass over the leaching facility during or after construction.
 - No permanent structure may be constructed over the 100% expansion area.
 - All construction shall conform to Title 5 Mass. State Environmental Code and local Board of Health requirements.
 - The Board of Health shall require inspection of all construction by the design engineer or by an agent of the Board of Health, and require such person to certify in writing that all work has been completed in accordance with the terms of the permit and approved plans.
 - Soil tests performed in accordance with Title 5 Mass. State Environmental Code.
 - For proper performance septic tank should be inspected and cleaned at least annually.
 - All crushed stone in the leaching facility must have less than 0.2 percent material finer than a number 200 sieve as determined by A.S.H.O. test methods T-11 and T-27 (latest edition).
 - All topsoil, subsoil and deleterious material, if any, must be removed from below the leaching facility and for a distance of 10 feet from all sides of the leaching facility. Excavate to a depth of 12 inches below the surface of the naturally occurring permeable soil. Backfill as required with a clean gravel or sand material free from fines, clay, organic matter, and large boulders, having a permeability rate in its original location and after placement of 2 minutes per inch or less.
 - The design engineer does not warrant the location of pipes, underground utilities, or other underground structures.
 - The design engineer will not be responsible for the performance of this system unless constructed as shown. Any alterations must be approved in writing by the design engineer.
 - This plot plan is to be used for design and installation of sewage disposal system only. Surface structures shown do not necessarily comply with the Zoning Bylaws of the Town of OAK BLUFFS.
 - That portion of the proposed septic system to be constructed under areas subject to vehicular traffic shall be capable of withstanding H-20 wheel loads.
 - The design engineer does not warrant the suitability of soils on the site, except where observed during testing as located hereon.



DISTRIBUTION BOX
 PRECAST REINFORCED CONCRETE

- LEGEND**
- XX Denotes proposed contour
 - FG = XX.X Denotes proposed finished grade
 - XX--- Denotes existing contour
 - XX.X Denotes existing spot elevation
 - ⊙ Denotes test pit location
 - P.V.C. Denotes polyvinyl chloride pipe
 - U — Denotes underground utilities
 - Denotes concrete bound
 - W — Denotes water line
 - R — Denotes approximate property line
 - OW — Denotes overhead wires
 - D — Denotes storm drain pipe
 - ⊠ Denotes catch basin
 - C.I. Denotes extra heavy cast iron
 - M.H.W. Denotes Mean High Water by observation

SCHEDULE OF ELEVATIONS

		finish grade above structure
Top of foundation	=	104.00
Basement floor	=	96.50
Invert of pipe at foundation	=	99.87 101.6
Invert at septic tank inlet	=	99.17 101.8
Invert at septic tank outlet	=	99.00 101.8
Invert at distribution box inlet	=	N/A
Invert at distribution box outlet	=	N/A
Invert at leaching pit / trench (inlet)	=	98.75 102.8
Invert at leaching lines (end)	=	N/A
Elevation of trench/pit bottom	=	92.75
Finished grade over leaching area - See Plot Plan		

DESIGN DATA

- DESIGN HYDRAULIC LOADING
 3 bedrooms at 110 gals. per bedroom per day = 330 gals. per day
- SEPTIC TANK SIZE
 Average daily flow = 330 x 150 % = 495 gallons
 Septic tank provided 1000 gallons KD
- DESIGN PERCOLATION RATE 4 m.p.i.
 Sidewall loading = 0.5 sq. ft. per gal. PP
 Bottom loading = 1.2 sq. ft. per gal. SF
- LEACHING AREA REQUIREMENTS
 Total sidewall area provided = 177 sq. ft. x 2 gals. per sq. ft. = 354 gals.
 Total bottom area provided = 70 sq. ft. x 0.83 gals. per sq. ft. = 58 gals.
 Maximum allowable loading (under Title 5) = 410 gallons
 Actual hydraulic loading = 413 gallons
 Minimum size leaching area allowed under the Town of OAK BLUFFS Board of Health requirements 125% ABOVE TITLE V = 413 gallons
 A garbage disposal is NOT allowed with this design.

SOIL TEST DATA

DEEP OBSERVATION HOLE 1		DEEP OBSERVATION HOLE 2	
Surface elev. 103	Date 15 MAR 1995	Surface elev. 103	Date
4"	VEGETATION		
20"	OVERGROWN W/GRASS		
	MEDIUM SAND		
	CONTAINS CAVING		
10"			
ND Ground water was found at a depth of 10' Elevation 93.00		Ground water was found at a depth of Elevation	

PERCOLATION TEST DATA

Test Pit No.	Date	Depth	Elevation	Rate M.P.I.
1	15 MAR 95	4'	99'	2.4 M.P.I.

PROPOSED SEWAGE DISPOSAL SYSTEM
 PROPOSED 3 BEDROOM DWELLING
 ASSESSORS PARCEL MAP 21 LOT 96
 COUNTY ROAD
 OAK BLUFFS, MA

DESIGNED FOR
 MR. LEE GILLIAM
 84 HIGHLAND STREET
 MARLBORO, MA 01752

Date 23 MAR 94
 REVISED:
 DEAN R. SWIFT COMPANY, INC.
 POST OFFICE BOX 2350
 VINEYARD HAVEN, MASSACHUSETTS 02568
 Tel. 508 / 693-0994 693-0995
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