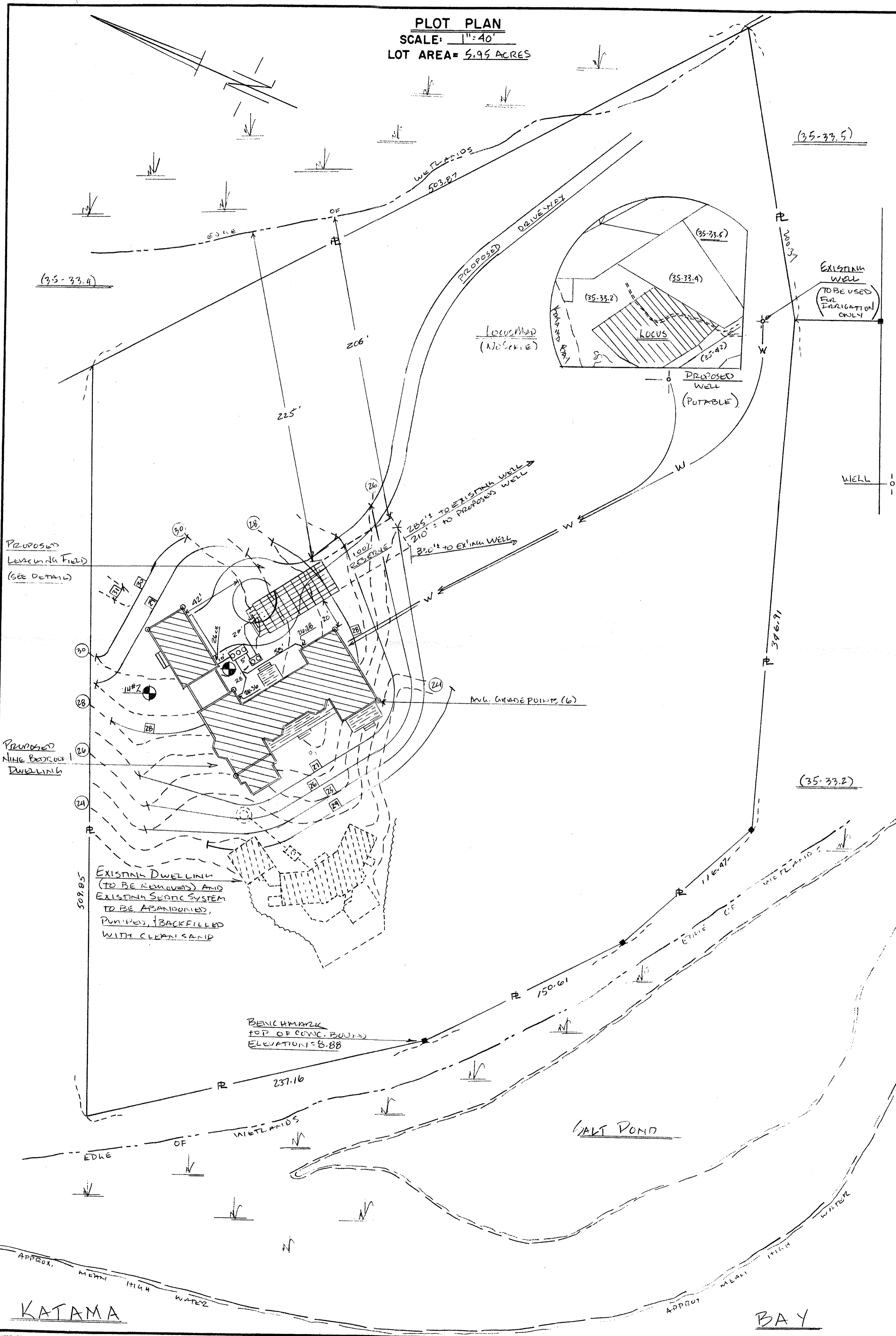
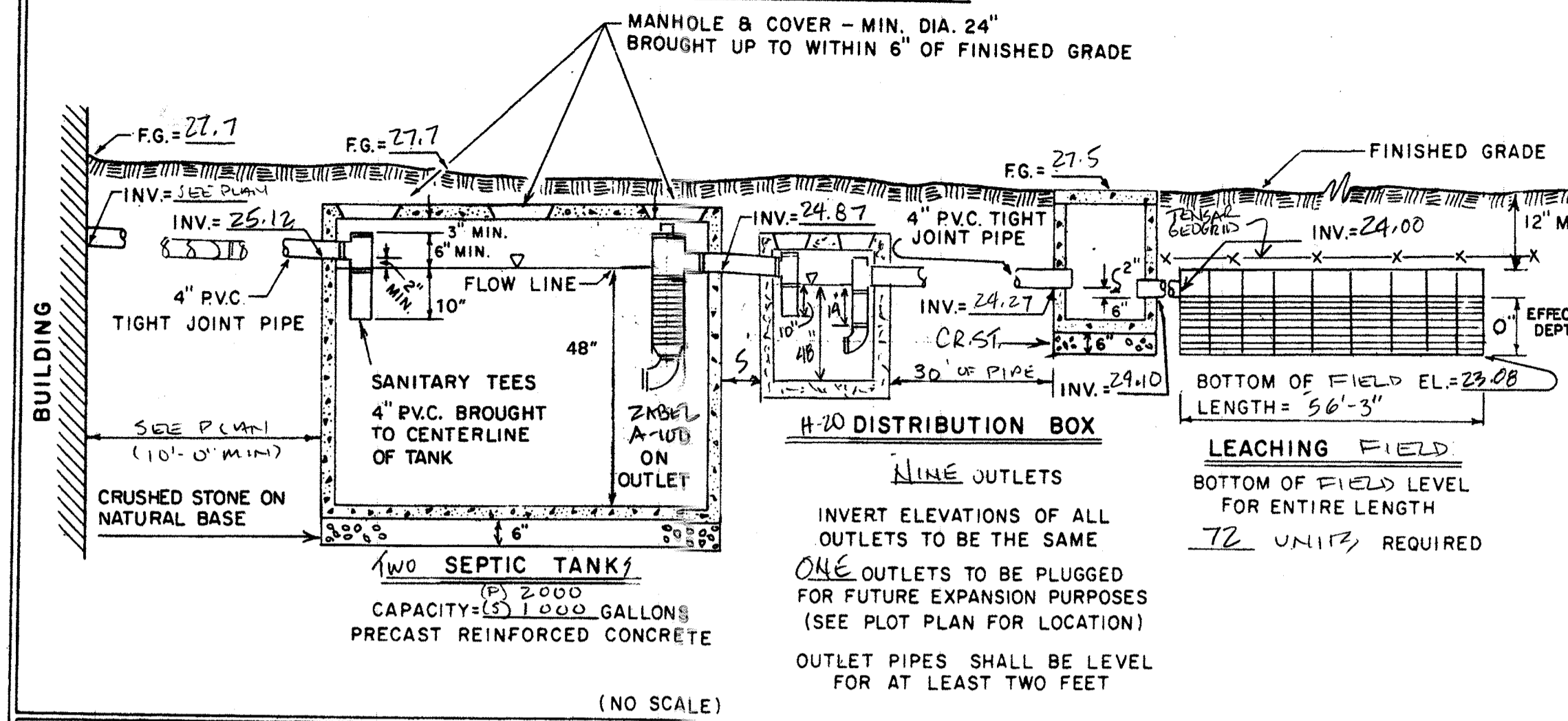


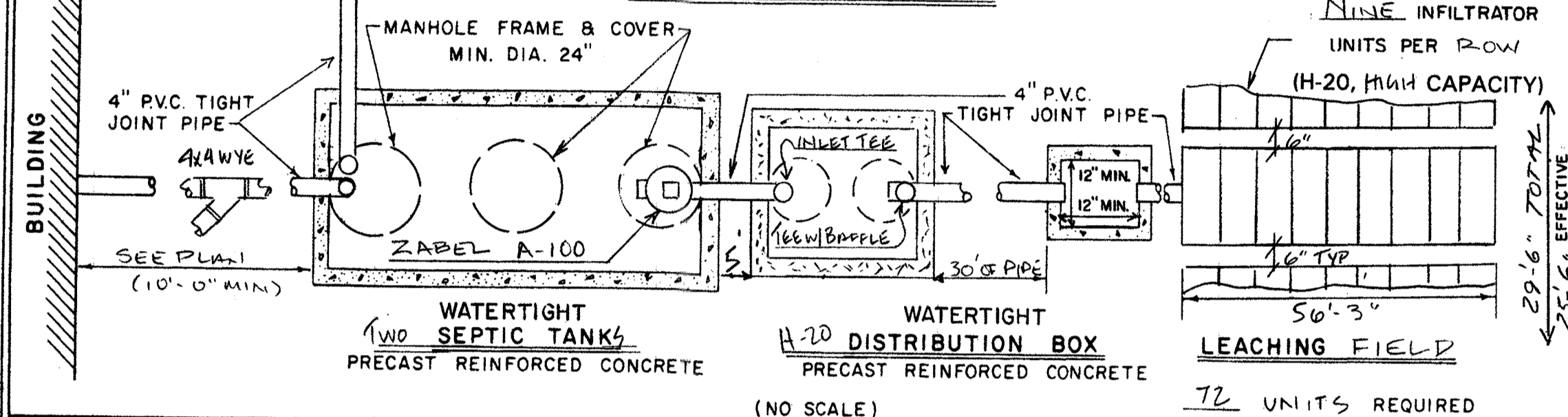
PLOT PLAN
SCALE: 1"=40'
LOT AREA = 5.95 ACRES



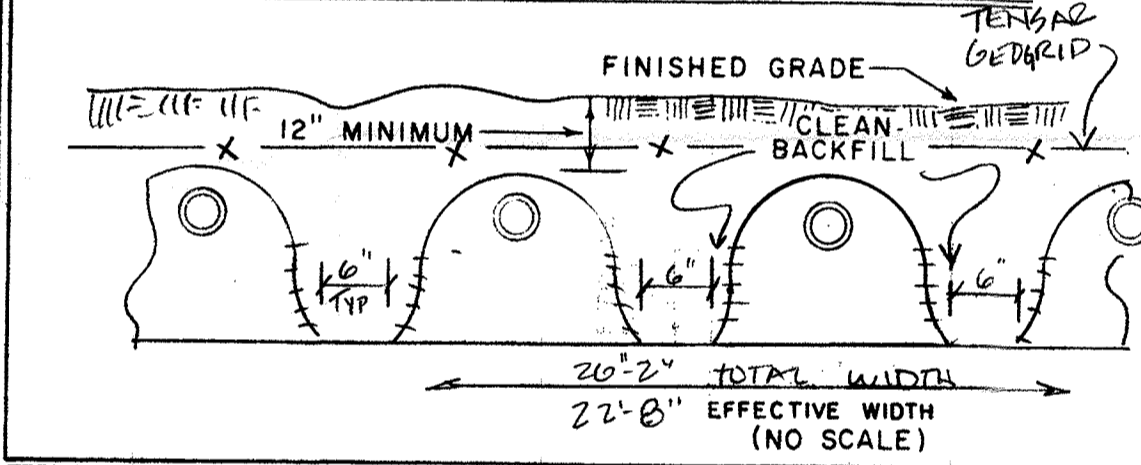
PROFILE OF SYSTEM



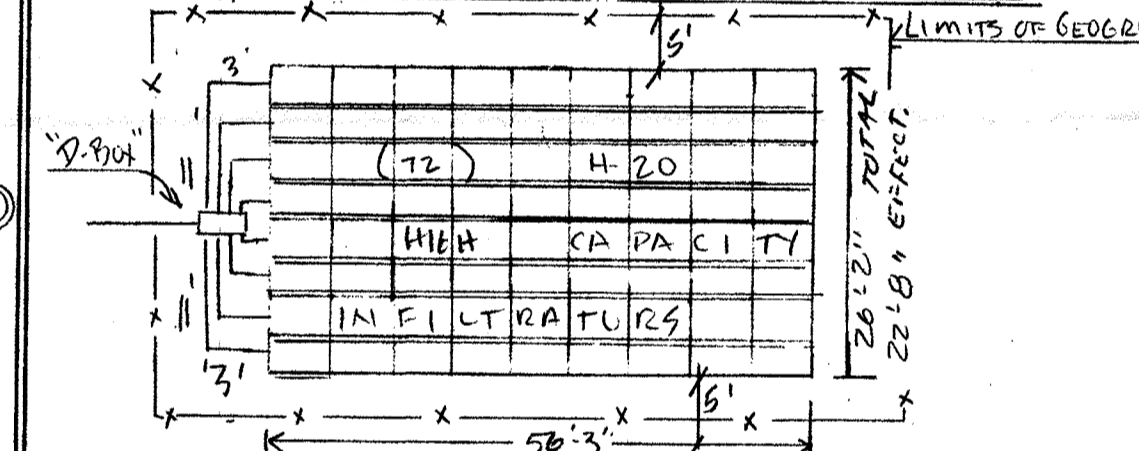
PLAN VIEW OF SYSTEM



PARTIAL LEACHING FIELD CROSS-SECTION



LEACHING FACILITY DETAIL (NO SCALE)



SCHEDULE OF ELEVATIONS

FINISHED GRADE ABOVE STRUCTURE		FINISHED GRADE ABOVE STRUCTURE	
Top of foundation	= 29.20	Invert at distribution box inlet	= 24.27
Basement floor	= 21.70	Invert at distribution box outlet	= 24.10 27.5
Invert of pipe at foundation	= SEE PLAN 27.7	Invert at infiltrator inlet	= 24.00 SEE
Invert at septic tank inlet	= 25.12	Elevation of field bottom	= 23.08 PLAN
Invert at septic tank outlet	= 24.87 27.7	Finished grade over leaching area	- See Plot Plan
Invert at septic tank inlet	= 24.82		
Invert at septic tank outlet	= 24.57 27.7		

AVA. GRADE = 28.2', MAX. RIDGE = 28.2 + 26.0 = 54.2
RIDGE TO TOP = 25.0' (P. AHEAD) 117.02' BLT ON FINISH
TDF = 54.2 - 25.0 = 29.2 CDR NOV 7, 2002

SOIL TEST DATA

DEEP TEST PIT 1 (SURFACE ELEVATION 30.5)			DEEP TEST PIT 2 (SURFACE ELEVATION 29.5)			PERCOLATION TEST DATA				
DATE OF TEST OCTOBER 18, 2002			DATE OF TEST OCTOBER 16, 2002			TEST PIT NO.	DATE	TOP OF 12" OF WATER DEPTH FROM TOP OF PIT	ELEVATION	RATE - MINUTES PER INCH
DEPTH	HORIZON	SOIL DESCRIPTION	DEPTH	HORIZON	SOIL DESCRIPTION					
0'-6"	A	SAND w/ GRAVEL 101473	0'-7"	A	SAND w/ GRAVEL 101473	1	10-18-02	18"	26.6	22
6'-31"	B	LOAMY SAND AND SANDY CLAY 101476	7'-29"	B	LOAMY SAND AND SANDY CLAY 101476					
21'-06"	C	SAND & GRAVEL 101478	29'-120"	C	SAND & GRAVEL 101478					
NO GROUND WATER WAS ENCOUNTERED AT A DEPTH OF 60" (ELEVATION 25.5)			NO GROUND WATER WAS ENCOUNTERED AT A DEPTH OF 120" (ELEVATION 29.5)							
DEEP TEST PIT 3 (SURFACE ELEVATION)			DEEP TEST PIT 4 (SURFACE ELEVATION)			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). <i>Christine M. Kelly</i>				
DATE OF TEST			DATE OF TEST							
DEPTH	HORIZON	SOIL DESCRIPTION	DEPTH	HORIZON	SOIL DESCRIPTION					
GROUND WATER WAS ENCOUNTERED AT A DEPTH OF (ELEVATION)			GROUND WATER WAS ENCOUNTERED AT A DEPTH OF (ELEVATION)							

GENERAL NOTES

- Elevations refer to Mean Sea Level Datum. See Bench Mark on Plot Plan located at corner bearing ELEV. 8.88.
- 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 10 feet from all sides of the leaching field. Excavate down to 24 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 1/2 the liquid depth of the tank, the tank should be pumped.
- Distribution Box Cover to be brought to finish grade.
- No wells or leaching facilities found within 200' of Prop. Field.
- EXISTING WELL TO BE CONVERTED TO IRRIGATION USE ONLY.
- ZABEL A-100 TANK PROVIDED AT PRIMARY SEPTIC TANK OUTLET.
- DISTRIBUTION BOX TO BE DESIGNED AND CONSTRUCTED TO HANDLE H-20 LOAD.
- GEOTEXTILE TO EXTEND 5' BEYOND LIMITS OF FIELD AND TO BE LAIN A MINIMUM OF 6" ABOVE TOP OF INFILTRATORS.

DESIGN DATA

- Estimated Hydraulic Loading: NINE Bedrooms at 110 gallons per day per bedroom = 990 GPD. Garbage disposal is allowed with this design. (990 GPD x 150% = 1485)
- Septic Tank Size: (P) 200 (P) 1980. Average daily flow = 990 x (S) 100 % = 990 gallons (minimum). Septic tank provided = 2000/1000 gallon capacity.
- Design percolation rate = 2 M.P.I. Soil textural class = I. Loading rate = 0.74 gallons/S.F.
- Leaching Area: Total leaching area provided = 1274 S.F.
- Maximum allowable loading 1274 S.F. x 1.67 (LINE GROUND) x 0.74 GPD/S.F. = 1575 GPD. Actual hydraulic loading = 1485 gallons.

LEGEND

- XX Denotes proposed contour
- FG = XX.X Denotes proposed finished grade
- XX-- Denotes existing contour
- XXx Denotes existing spot elevation
- o 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.W- Denotes overhead wires
- D- Denotes storm drain pipe

PROPOSED SEWAGE DISPOSAL SYSTEM

TO SERVE A PROPOSED NINE-BEDROOM DWELLING OFF LITCHFIELD ROAD ASSE. PLOT 35-33.3 EDGARTOWN, MASSACHUSETTS

APPLICANT: LONG POINT TRUST TEL. NO. 693-2781 (CATH) 52 CHESTNUT STREET BOSTON, MA 02108

DATE: OCTOBER 7, 2002 SCALE: AS NOTED
 REV: NOV. 25, 2002 REV: APRIL 23, 2003
 FEB. 10, 2004 REV: JUNE 15, 2004 (REVISED)

DESIGNED BY: CPA DRAWN BY: CPA CHECKED BY: R.T.B.
 SCHOFFIELD, BARBINI, & HOEHN, INC., CIVIL ENGINEERS & LAND SURVEYORS, BOX 339, VINEYARD HAVEN, MA 02568