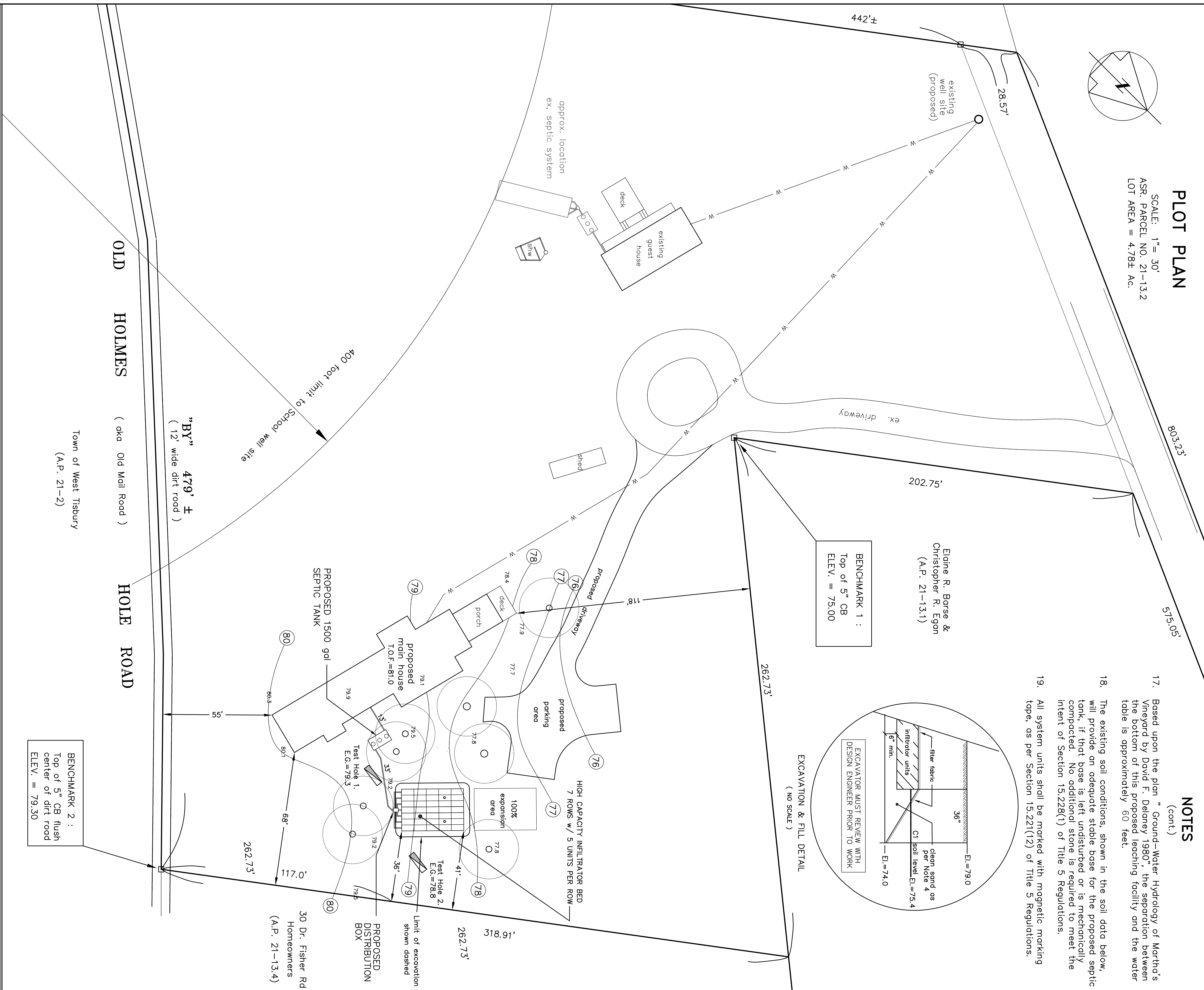
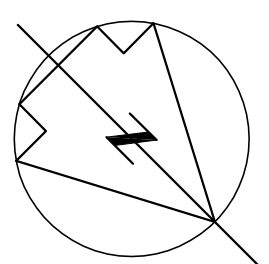


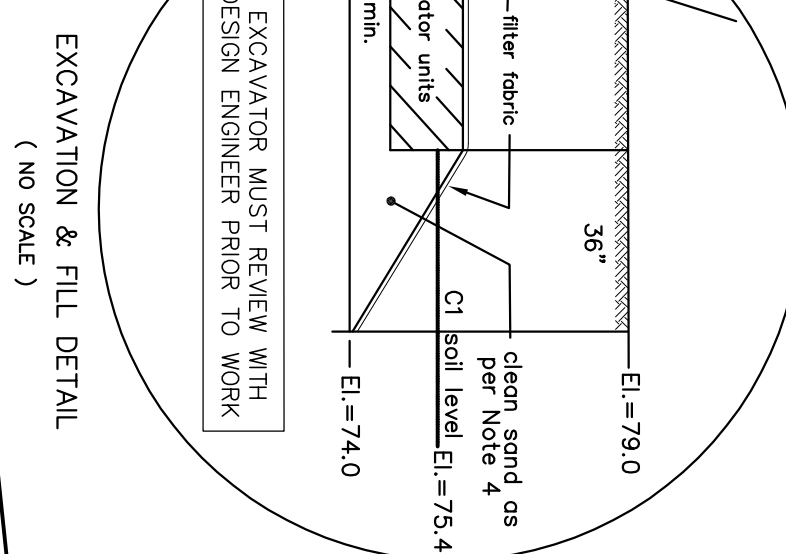
PILOT PLAN

SCALE: 1" = 30'
 ASP. PARCEL NO. 21-13.2
 LOT AREA = 4.78± AC.

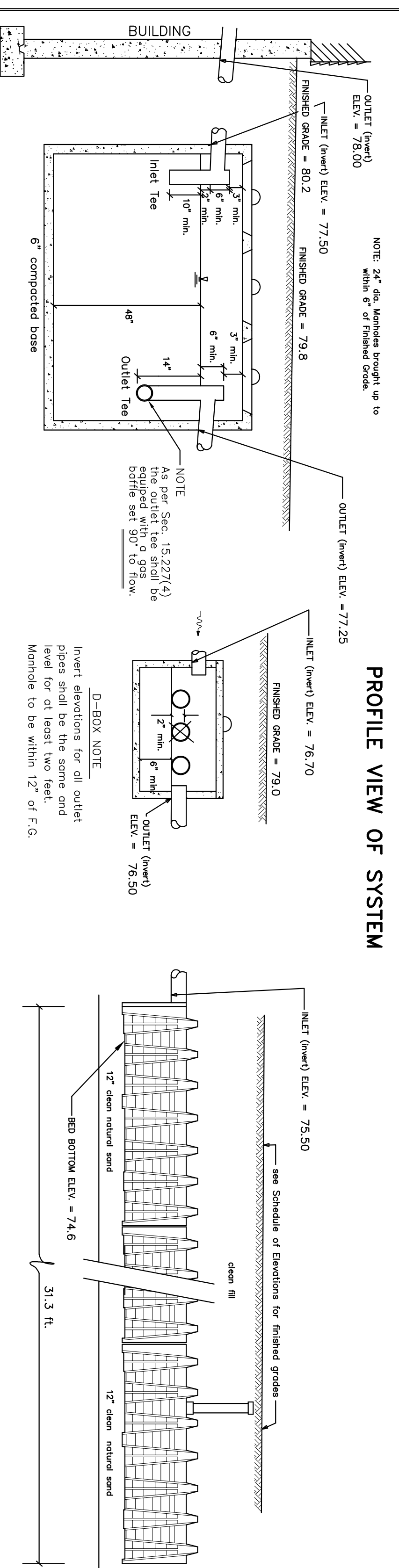


NOTES

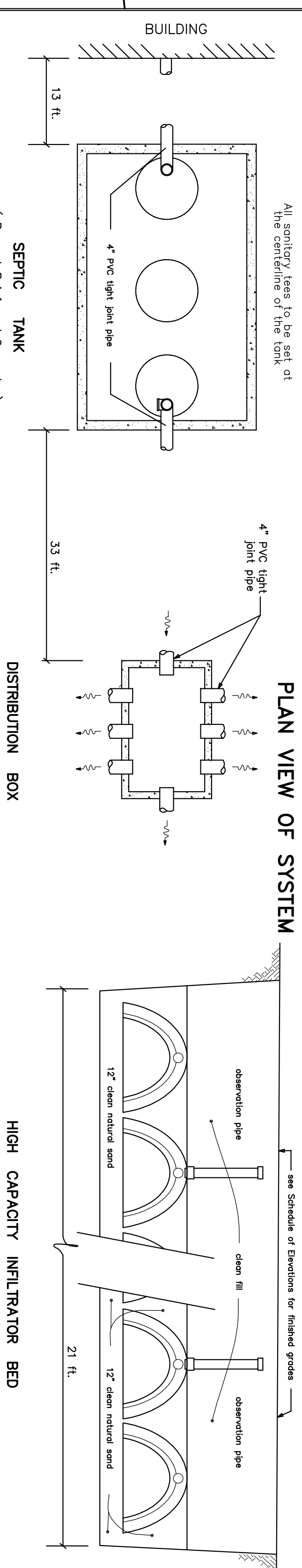
- Based upon the plan "Ground-Water Hydrology of Martha's Vineyard by David F. Delaney 1980", the separation between the bottom of this proposed leaching facility and the water table is approximately 60 feet.
- The existing soil conditions, shown in the soil data below, will provide an adequate stable base for the proposed septic tank, if that base is left undisturbed or is mechanically compacted. No additional stone is required to meet the intent of Section 15.228(1) of Title 5 Regulations.
- All system units shall be marked with magnetic markings tape, as per Section 15.221(12) of Title 5 Regulations.



PROFILE VIEW OF SYSTEM



PLAN VIEW OF SYSTEM



SCHEDULE OF ELEVATIONS

TOP OF FOUNDATION	81.00	Finished Grade	
INVERT AT FOUNDATION PIPE (SEWERS)	78.00	INVERT AT DISTRIBUTION BOX INLET	76.20
INVERT AT SEPTIC TANK INLET	77.50	INVERT AT DISTRIBUTION BOX OUTLET	76.50
INVERT AT SEPTIC TANK OUTLET	77.25		79.0
		INVERT AT INFILTRATOR INLET	75.50
		ELEVATION OF INFILTRATOR BOTTOM	74.6
			79.0/78.0

DESIGN DATA

- A. DESIGN HYDRAULIC LOADING
 6-Bedrooms at 110 gallons per day per bedroom = **660 gpd**.
 Garbage disposal units are not allowed with this system.
- B. SEPTIC TANK
 Average daily flow = 660 x 200% = 1320 gallons.
 Size of septic tank provided = 1500 gallons.
- C. DESIGN FACTORS
 Percolation rate = 5 mpi. soil class = I.
 Loading Factor = 0.74 gals./sf/day
- D. LEACHING AREA REQUIREMENTS
 High Capacity Infiltrator Units required = **35**
 35 units x 6.25 lf/unit x 4.72 sf/lf = 1032 sf
 1032 sf. x 0.74 GPD/sf = **764 GPD**

SOIL DATA

Depth	Soil Log	Date	Soil Log	Date
DEEP TEST HOLE 1.	5'-28"-20"	5-28-20	5'-28"-20"	5-28-20
1'	A woods loam		1'	A woods loam
4'-3"	B silty med. sand 7.5SR 6/8		4'-3"	B silty med. sand 7.5SR 6/8
5'-3"	C1 coarse sand, gravel & stone 7.5SR 7/8		5'-3"	C2 coarse sand w/ 5% gravel 7.5SR 7/8
DEEP TEST HOLE 3.	Soil Log	Date	Soil Log	Date
100'				

Depth	Soil Log	Date	Soil Log	Date
DEEP TEST HOLE 2.	5'-28"-20"	5-28-20	5'-28"-20"	5-28-20
1'	A woods loam		1'	A woods loam
4'-3"	B silty med. sand 7.5SR 6/8		4'-3"	B silty med. sand 7.5SR 6/8
5'-3"	C2 coarse sand w/ 5% gravel 7.5SR 7/8		5'-3"	C2 coarse sand w/ 5% gravel 7.5SR 7/8

NOTES

- Elevations refer to approximate MEAN SEA LEVEL datum.
- Benchmark (BM) is shown on plan. ELEV = 73.00 top of concrete bound.
- Soil tests performed in accordance with the Massachusetts State Environmental Code (Title 5) and the local Board of Health Requirements.
- All construction to conform to the Massachusetts State Environmental Code (Title 5) and the local Board of Health Requirements.
- All topsoil, subsoil and deleterious material, if any, must be removed from beneath the proposed leaching facility and for a distance of 5 feet from all directions therefrom and to a depth 6 inches into the level of the natural permeable soil. Backfill, as required, with a clean gravel or sand material, free from fines, clay, organic matter, and large boulders, having a percolation rate, in its original location and other placement, of 2 minutes per inch or less.
- The design-engineer does not warrant the character of the ground (e.g. boulders and ledge) or the location of pipes or other underground structures.
- All wet-laid-stone-in-the-leaching-field must be double-washed-in-accordance-with-3169A-15-247.
- Tight joint piping to consist of Polyvinyl Chloride pipe (PVC), Schedule 40 unless otherwise noted. All joints between concrete and piping to be made watertight.
- Finished 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.
- SMITH & DOWLING will not be responsible for the performance of this system, unless constructed as shown. Any alterations must be approved in writing by design engineer.
- The local 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 the work has been completed in accordance with the terms of the permit and the approved plans.
- For proper performance, the septic tank should be checked at least once a year.
- All proposed setbacks shown must be confirmed with the Zoning/Building Inspector and with any Covenants or Deed Restrictions of record PRIOR TO ANY CONSTRUCTION.
- No water supply wells could be located within 150 feet of the proposed leaching facility and no existing septic systems could be located within 150 feet of any proposed well, except as shown.
- Any soils found during construction of the proposed system that differ from the SOIL DATA shown, must be reported to the DESIGN-ENGINEER prior to any additional work on the installation.

XXX EXISTING SPOT ELEVATION
 XXX EXISTING CONTOUR
 F= XXX PROPOSED FINISHED GRADE
 E/T PROPOSED CONTOUR
 W WATER SERVICE LINE
 E/T UNDERGROUND ELEC./TELE
 CB CATCH BASIN
 CON CONCRETE BOUND
 PVC POLYVINYL CHLORIDE PIPE
 TEST TEST HOLE LOCATION

LEGEND

OLD HOLMES (aka Old Mail Road)
 HOLE ROAD
 Town of West Tisbury (A.P. 21-2)
 "BY" 479' ± (12' wide dirt road)
 400 foot limit to School well site

APPLICANT: FARLEY J. PEDLER et al
 P.O. BOX 1491
 WEST TISBURY, MA 02575

INDIVIDUAL SEWAGE DISPOSAL SYSTEM FOR A PROPOSED
 6-BEDROOM MAIN HOUSE
 LOT 2 MARTHA FLANDERS SUBD.
 50 DR. FISHER ROAD
 WEST TISBURY, MASS.

DESIGNED BY: D.O.D. CHECKED BY: D.O.D. SHEET 1/1

SMITH & DOWLING
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