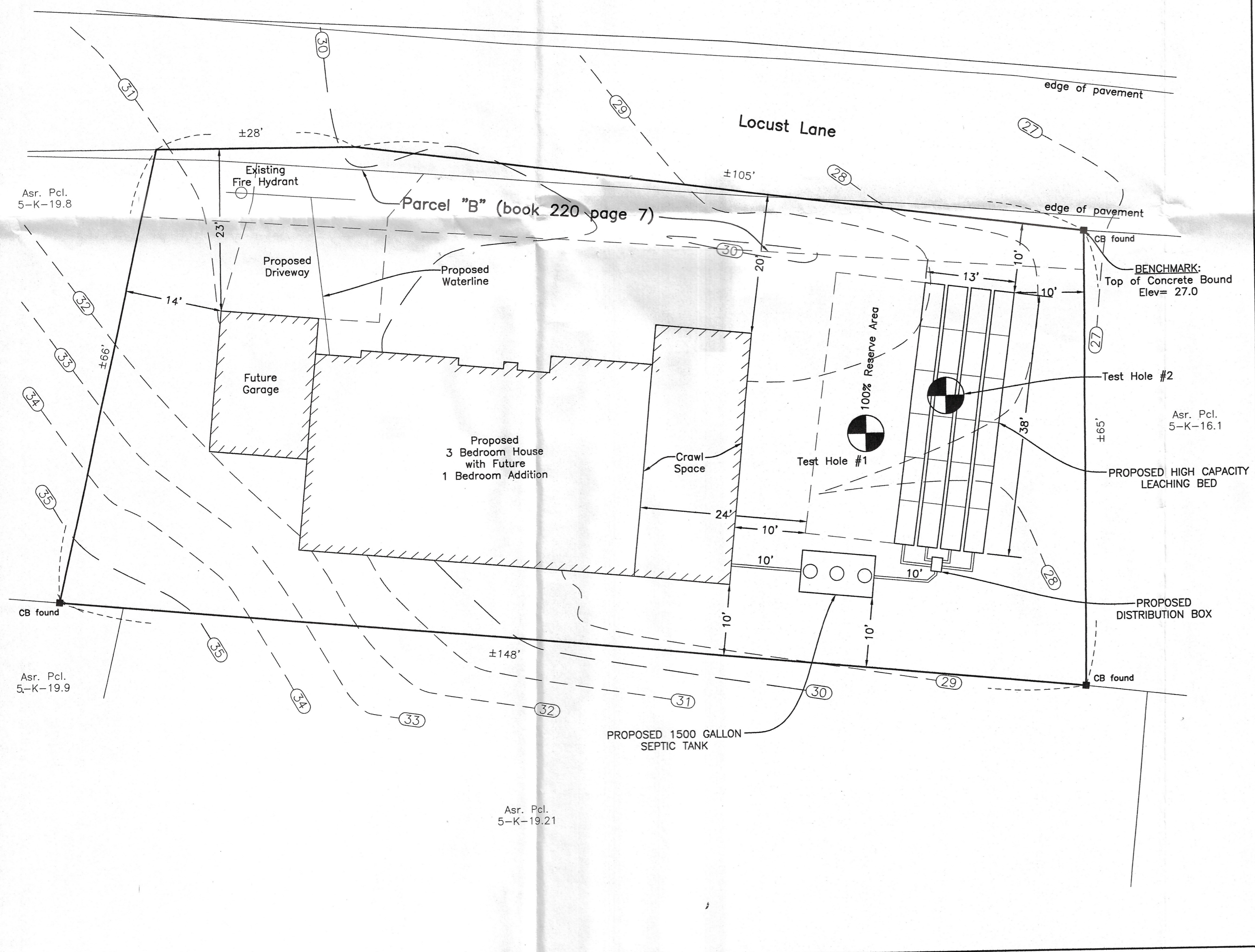


Plan

Scale: 1 in. = 10 ft.
Datum: ±USGS



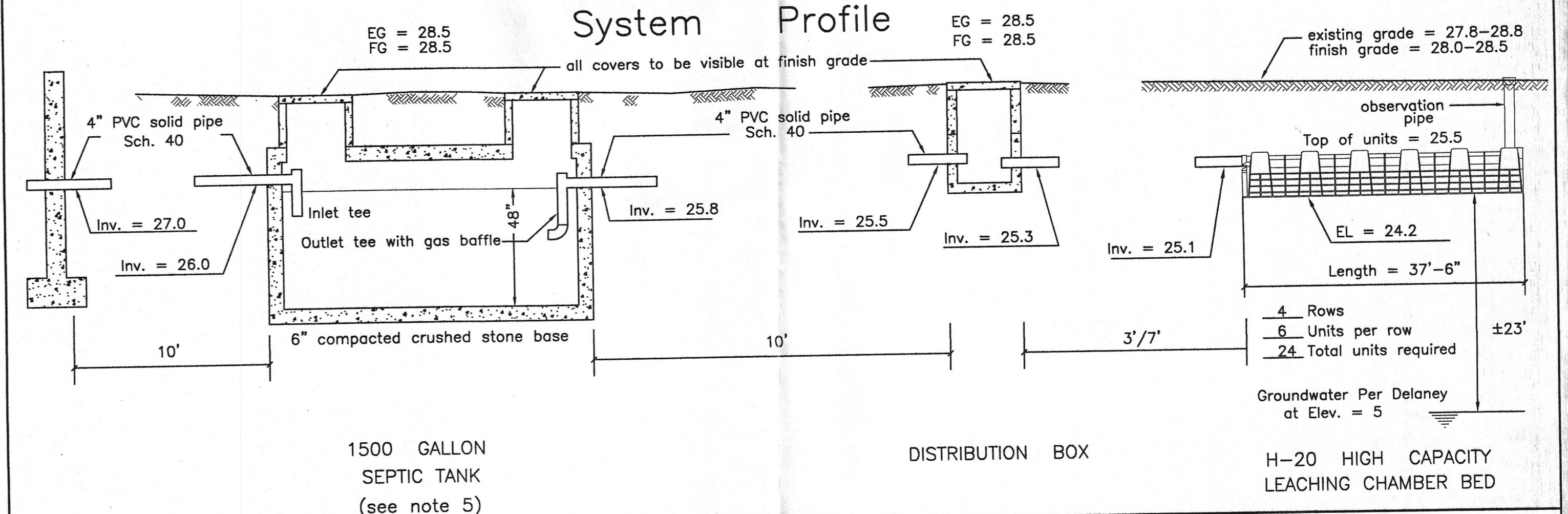
LOCUS MAP
Scale: 1:25000



LEGEND

±100.7.....EXISTING SPOT ELEVATION - W -WATER SERVICE LINE ○.....TEST HOLE LOCATION

System Profile



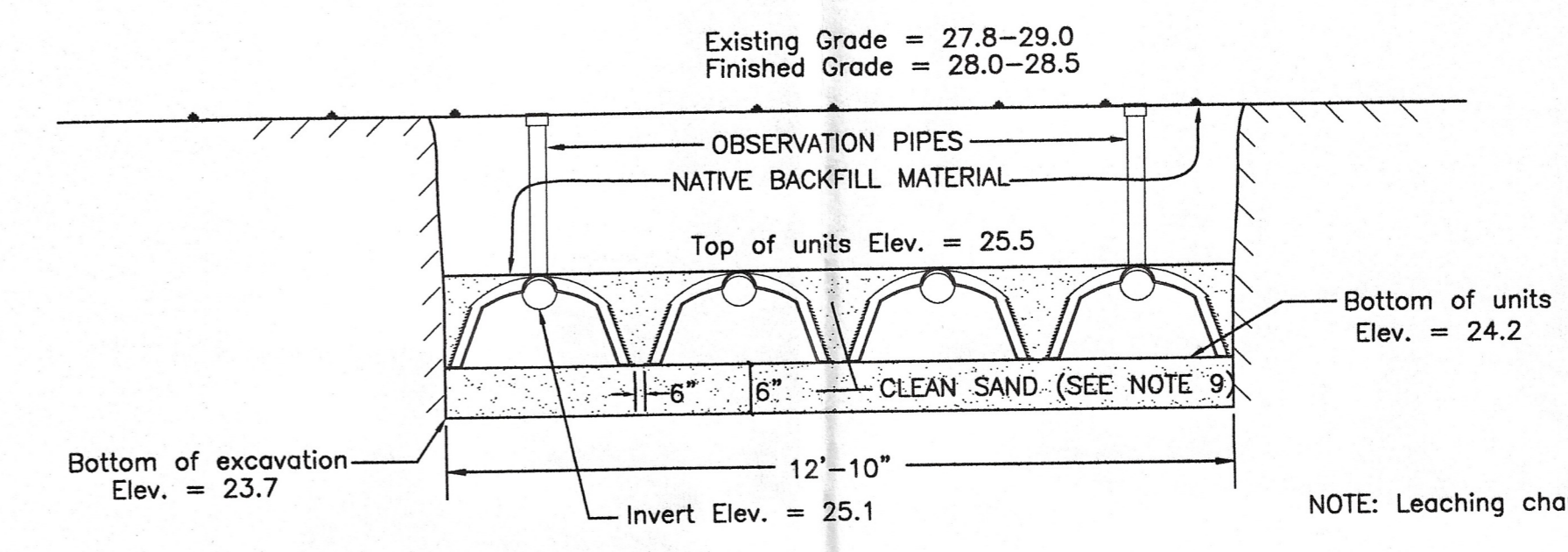
1500 GALLON SEPTIC TANK (see note 5)

DISTRIBUTION BOX

H-20 HIGH CAPACITY LEACHING CHAMBER BED

System Cross Section

NOTE: Not to scale



To avoid compaction, no machinery is allowed within three vertical feet of bottom of excavation without the specific approval of the design engineer. This leaching facility is not designed for H-20 loads and shall not be driven upon, even though H-20 leaching chambers are specified.

Notes

- This plan is to be used only for the approval and installation of a sewage disposal system and is not to be used for any other purpose.
- All construction and components shall conform to Massachusetts State Environmental Code TITLE V and Local Board of Health Requirements.
- This design does not warrant the location of underground pipes, wires, utilities or other underground structures. The installer shall be responsible for locating and relocating these objects as necessary.
- No garbage grinder is allowed with this system.
- Any portion of this system subject to vehicular traffic shall be capable of H-20 loading.
- An observation pipe shall be placed as shown and capped at grade so as to allow monitoring of liquid level in the leaching system. Place re-rod flush at each to aid in relocating with metal detector.
- All access covers are to weigh at least 150 lbs. and are to be brought to grade by adding risers as necessary. The covers are to be visible at the surface.
- The inlet tee of the septic tank shall be easily removable (not glued) so as to allow the use of a plumbers snake if necessary.
- Any clean sand fill required by this design is to have less than 4% passing the No. 100 sieve.
- No wells could be found within 150' of the proposed leaching facility.
- Leaching Chambers shall consist of Infiltrator high capacity, ADS high capacity biodiffuser or an approved equivalent.
- The engineer is to inspect and approve the installation and placement of all septic components before final backfilling.

Design Criteria

Design Hydraulic Loading
4 Bedrooms x 110 GPD/Bedroom = 440 GPD

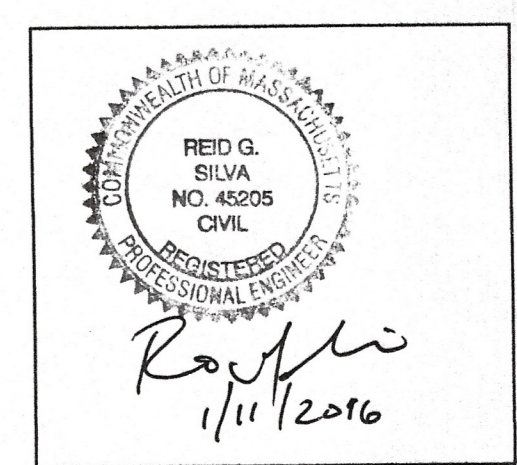
Septic tank capacity:
Required: 440 GPD x 200% = 880 Gal. minimum
Septic tank provided = 1500 Gal.

Leaching Capacity Provided:
H-20 High Capacity Leaching Chamber Bed
24 Leaching Chamber Units
24 Units x 6.25 linear ft./unit x 4.7 sq.ft./linear ft. = 705 sq.ft.
705 sq.ft. x 0.74 GPD/sq.ft. = 521 GPD

* Per modified certification for general use High capacity leaching chamber units are allowed 4.7 sq.ft. leaching area per lineal ft. in bed configuration.

Proposed Septic System on Land in TISBURY, MASS.

Designed for: HERBERT FOOTE
Street Address: LOCUST LANE
Assessor No.: 5-K-15
Lot Area: ±9,345 Sq.Ft.
Designed By: Reid G. Silva, P.E.
Checked By: *Ras*
Date: April 16, 2015
Revised: November 25, 2015 relocate house



Soil evaluator: Reid G. Silva, P.E.

SOIL DATA

Depth	Horizon	Texture	Percolation
0"-10"	A	Sandy loam	Perc. rate < 5 mpi. @ 40" No groundwater found at 132", Elev. = 17.4
10"-40"	B	Loamy sand	
40"-80"	C1	Loamy sand	
80"-132"	C2	Loamy sand w/ 20% cobble	
0"-12"	A	Sandy loam	Perc. rate < 5 mpi. @ 42" No groundwater found at 120", Elev. = 18.4
12"-42"	B	Loamy sand	
42"-80"	C1	Loamy sand	
80"-120"	C2	Loamy sand w/ 20% cobble	

VINEYARD LAND SURVEYING & ENGINEERING, INC.
12 Courmoyer Road, P.O. Box 421 West Tisbury, MA 02575
P 508.693.3774 F 508.693.8575

Job No. 1769