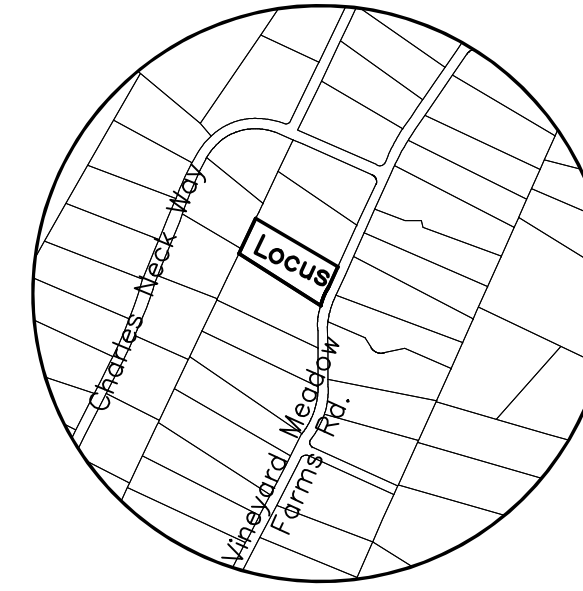
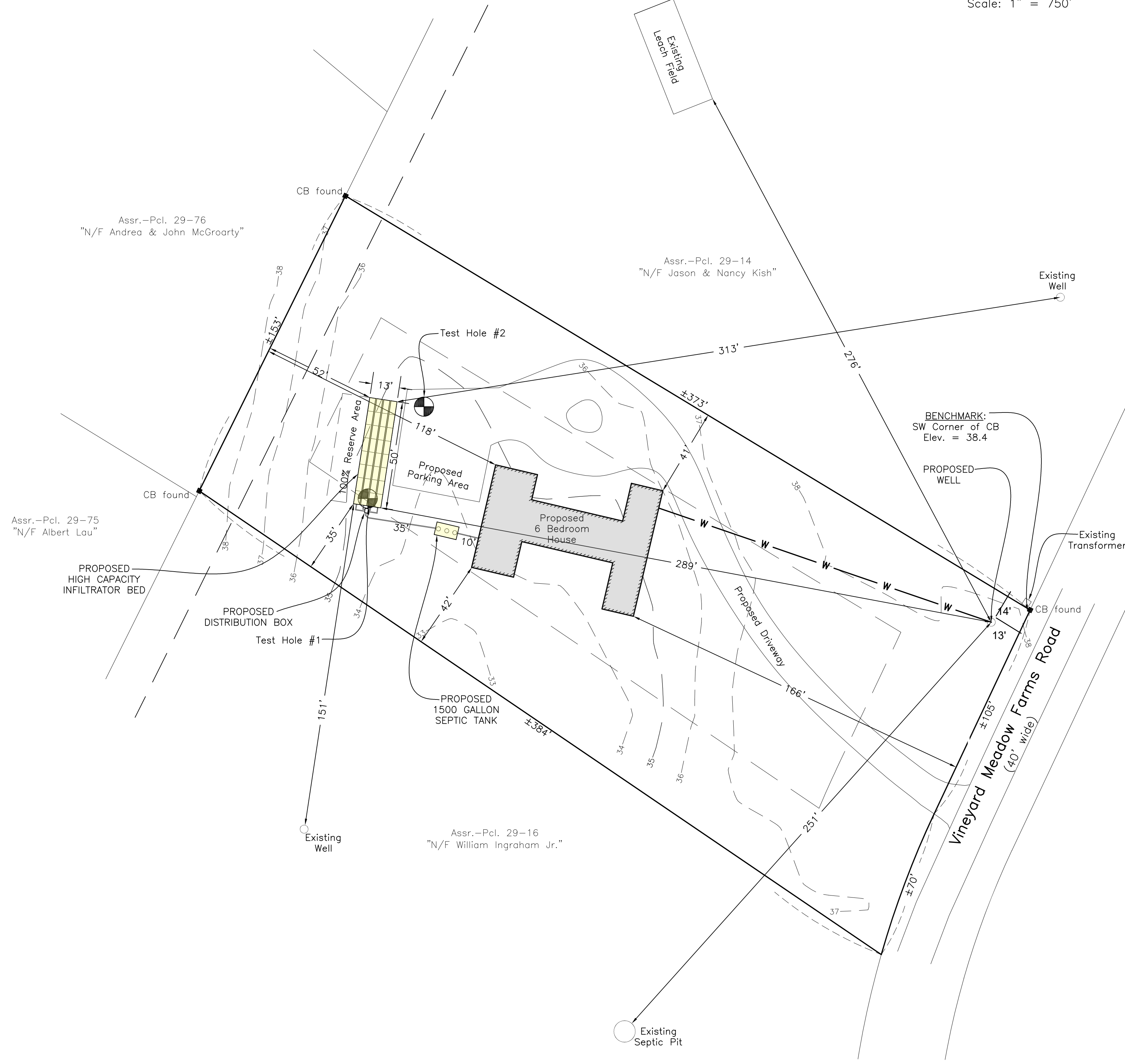
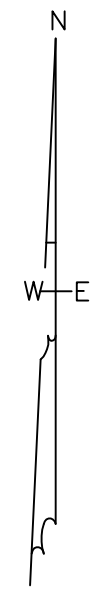


# Plan

Scale: 1 in. = 30 ft.  
Datum: ±U.S.G.S.



LOCUS MAP  
Scale: 1" = 750'



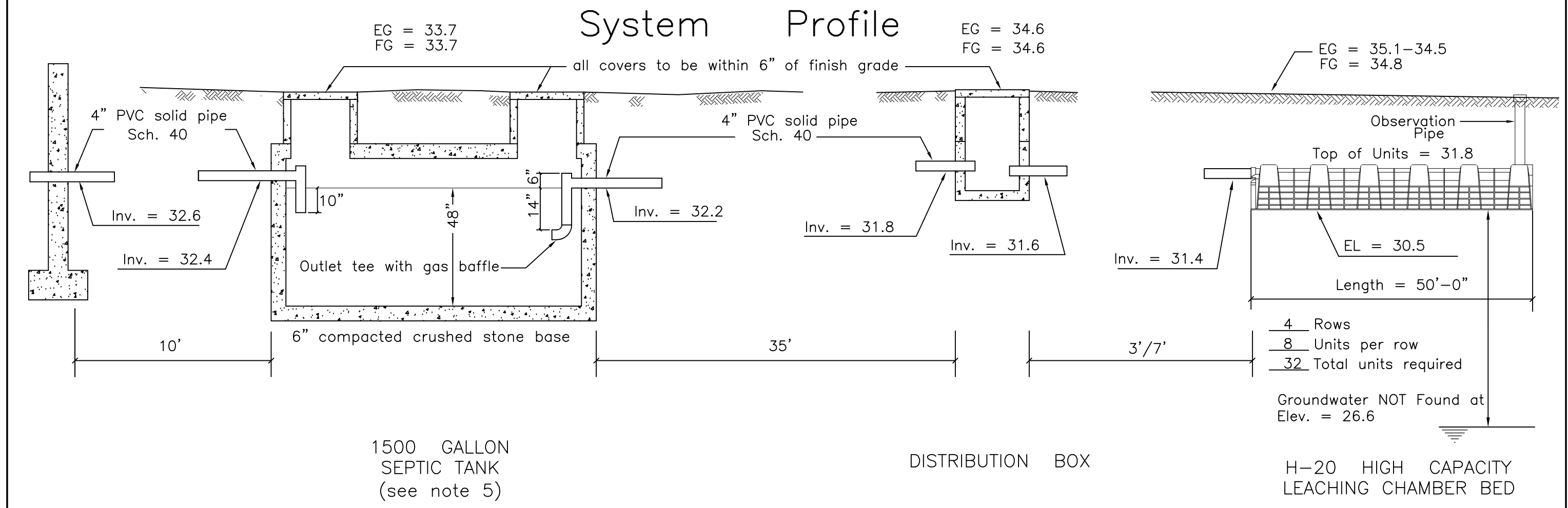
Assr.-Pcl. 29-75  
"N/F Albert Lau"

Assr.-Pcl. 29-76  
"N/F Andrea & John McGroarty"

Assr.-Pcl. 29-14  
"N/F Jason & Nancy Kish"

Assr.-Pcl. 29-16  
"N/F William Ingraham Jr."

# System Profile



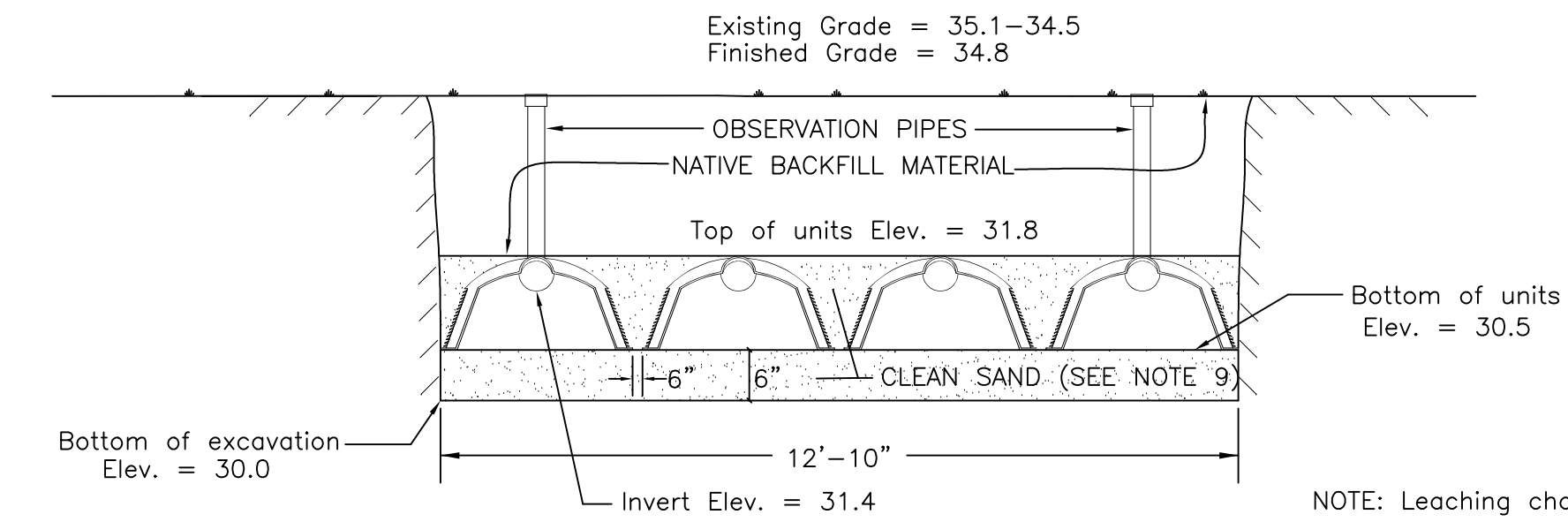
1500 GALLON  
SEPTIC TANK  
(see note 5)

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. or screwed down.
- Leaching Chambers shall consist of Infiltrator high capacity, ADS high capacity biodiffuser or an approved equivalent.
- 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, and no leaching facilities could be found within 150' of the proposed well.
- The engineer (AND the local approving authority) is to inspect and approve the installation and placement of all septic components before final backfilling.**
- A letter certifying satisfactory construction of this system is to be provided to the owner and the Board of Health by the Engineer.

# Design Criteria

Design Hydraulic Loading:  
6 Bedrooms x 110 GPD/Bedroom = 660 GPD

Septic tank capacity:  
Required: 660 GPD x 200% = 1320 Gal. minimum  
Septic tank provided = 1500 Gal.

Leaching Capacity Provided:  
H-20 High Capacity Leaching Chamber Bed  
32 Leaching Chamber Units  
32 Units x 6.25 linear ft./unit x 4.72 sq.ft./linear ft. = 944 sq.ft.  
944 sq.ft. x 0.74 GPD/sq.ft. = 699 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 West Tisbury, MASS.

Designed for: MARCIO AQUINO

Street Address: 107 VINEYARD MEADOW FARMS ROAD

Assessor No.: 29-15

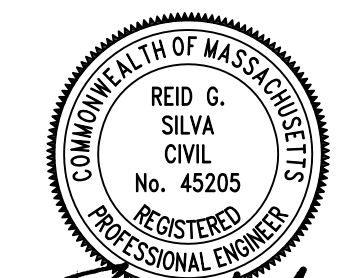
Lot Area: ±1.4 AC (±61,015 S.F.)

Designed By: Meegan Lancaster

Checked By: R.G.S.

Date: September 9, 2022

Revised: 12/22/22 - Lot Area



December 22, 2022

Soil evaluator: Reid G. Silva, P.E.  
Witnessed By: Omar Johnson

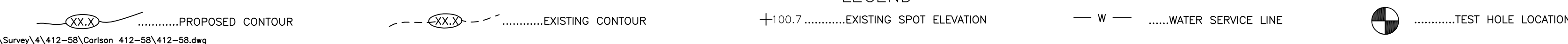
# SOIL DATA

Deep Observation Hole 1.  
Date: September 7, 2022  
Surface elevation = 34.6  
Depth Horizon Texture  
0"-8" A Sandy loam  
8"-36" B Loamy sand  
36"-98" C1 Medium coarse sand w/ gravel

Deep Observation Hole 2.  
Date: September 7, 2022  
Surface elevation = 34.5  
Depth Horizon Texture  
0"-8" A Sandy loam  
8"-32" B Loamy sand  
32"-76" C Medium coarse sand w/ gravel

Perc. rate < 5 mpi. @36"  
No groundwater found at Elev. = 26.6

Perc. rate < 5 mpi. @32"  
No groundwater found at Elev. = 28.2



**VINEYARD LAND SURVEYING & ENGINEERING**  
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VLSE.net

Job No. 412-53