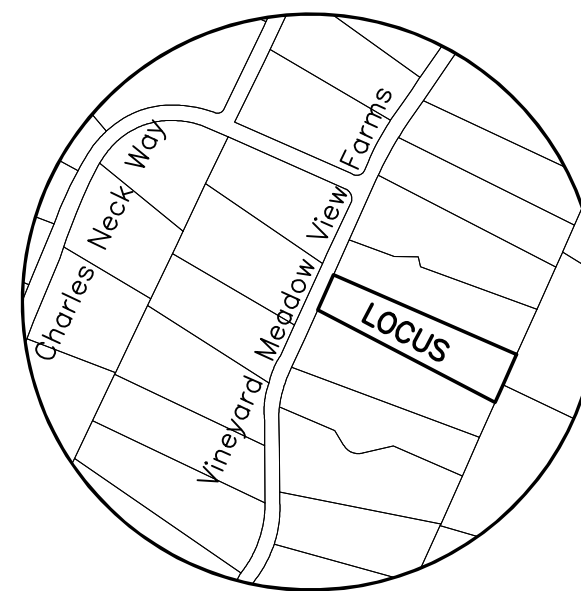
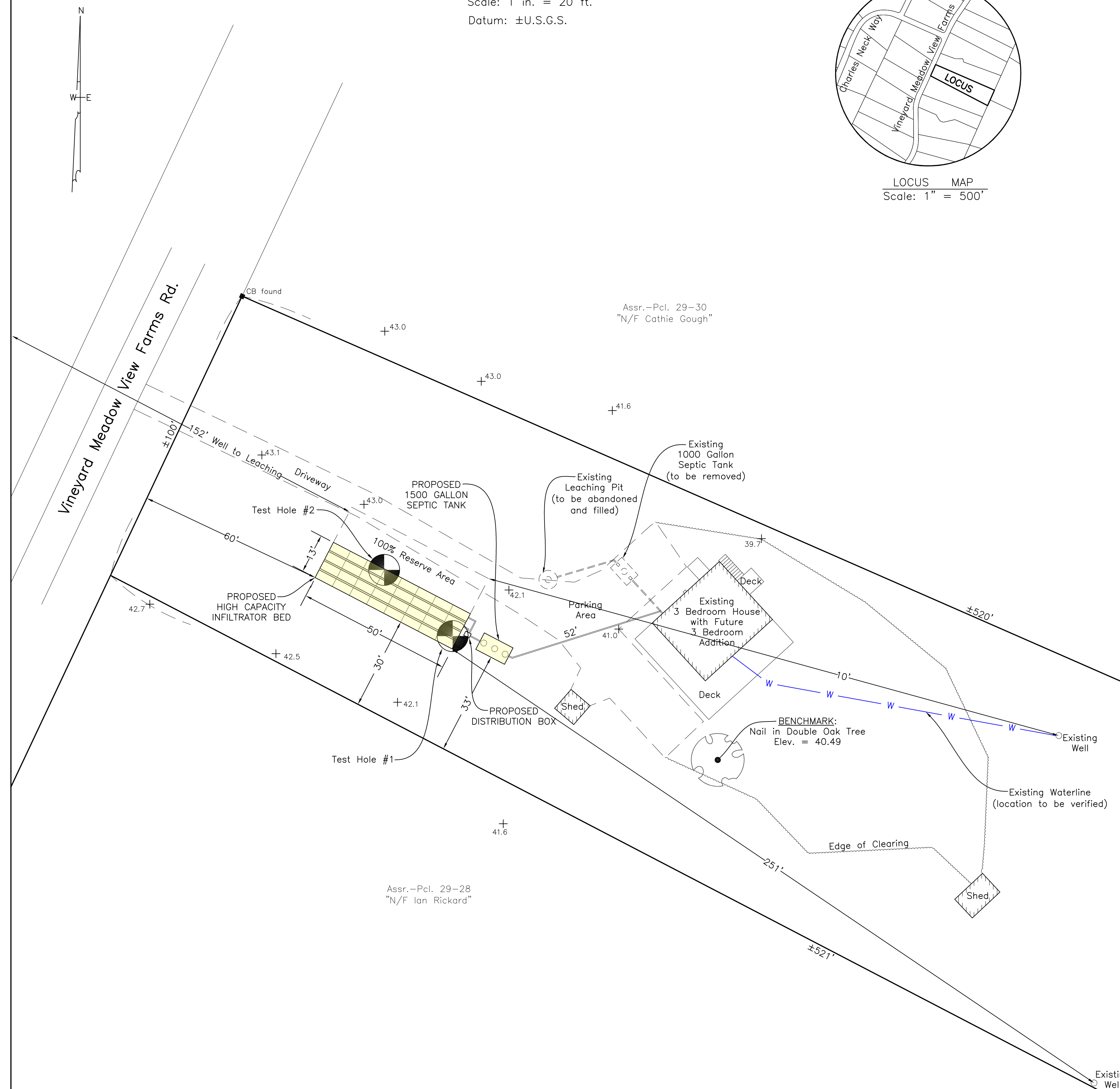


Scale: 1 in. = 20 ft.
Datum: \pm U.S.G.S.



LOCUS	MAP
Scale: 1" = 500'	



1500 GALLON SEPTIC TANK (see note 5)

EG = 42.0
FG = 42.0

all covers to be within 6" of finish grade

4" PVC solid pipe Sch. 40

*Inv. = 40.6

Inv. = 39.4

10"

48"

14"

Inv. = 39.2

Outlet tee with gas baffle

6" compacted crushed stone base

52'

4'

**Existing invert elevation to be verified prior to construction*

DISTRIBUTION BOX

EG = 42.0
FG = 42.0

4" PVC solid pipe Sch. 40

Inv. = 39.0

Inv. = 38.8

3' 7"

H-20 HIGH CAPACITY LEACHING CHAMBER BED

EG = 42.0
FG = 42.0

Observation Pipe

Top of Units = 39.0

EL = 37.7

Length = 50'-0"

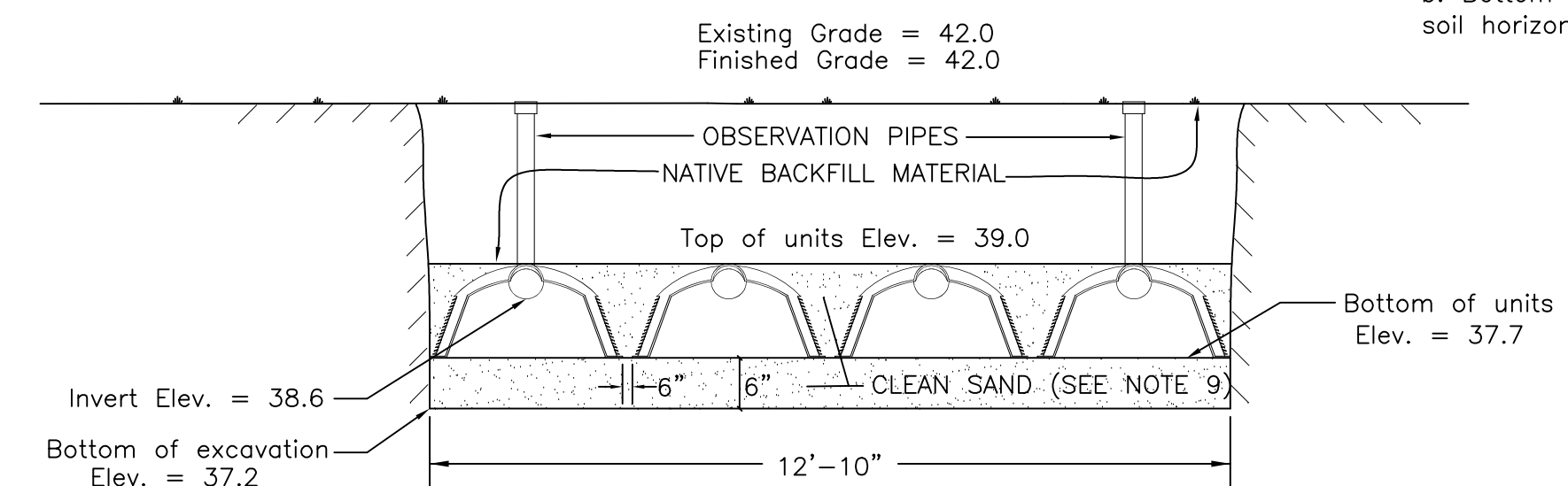
4 Rows
8 Units per row
32 Total units required

Inv. = 38.6

>27'

Groundwater per Delaney at Elev. = ± 10

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.

1. 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.
2. All construction and components shall conform to Massachusetts State Environmental Code TITLE V and Local Board of Health Requirements.
3. 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.
4. No garbage grinder is allowed with this system.
5. Any portion of this system subject to vehicular traffic shall be capable of H-20 loading.
6. 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.
7. All access covers are to weigh at least 150 lbs. or screwed down.
8. Leaching Chambers shall consist of Infiltrator high capacity, ADS high capacity biodiffusor or an approved equivalent.
9. Any clean sand fill required by this design is to have less than 4% passing the No. 100 sieve.
10. No wells could be found within 150' of the proposed leaching facility.

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. = 698 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.

Designed for: Erik Peckar
Street Address: #98 Vineyard Meadow Farms Road
Assessor No.: 29-29

Designed By: Cody Coutinho
 Checked By: RGS
 Date: December 6, 2021
 Revised:




VINEYARD
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 VLSE.net

Job No. 412-60

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