

From: [Joe Tierney](#)
To: [Alex Elvin](#)
Subject: RE: Stillpoint question
Date: Monday, April 3, 2023 1:45:00 PM
Attachments: [795 state rd- septic plan.pdf](#)

Alex,

See attached septic plan for 795 state rd. (polly hill)

As I stated in our conversation setbacks are 50' all sides.

Joe

From: Alex Elvin <elvin@mvcommission.org>
Sent: Monday, April 3, 2023 12:12 PM
To: Joe Tierney <inspect@westtisbury-ma.gov>
Subject: Stillpoint question

Hi Joe,

Hope all is well. The MVC hearing officer asked if you could clarify the following in regard to the Stillpoint project:

(1) what is the distance between the closest Polly Hill staff dwelling and the lot line Polly Hill shares with the Stillpoint barn lot (4.11)?

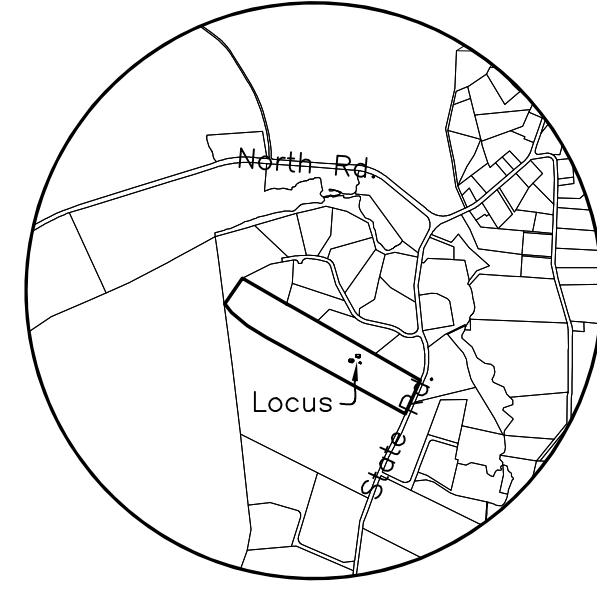
(2) what is the zoning setback requirement for that lot line?

Thanks,

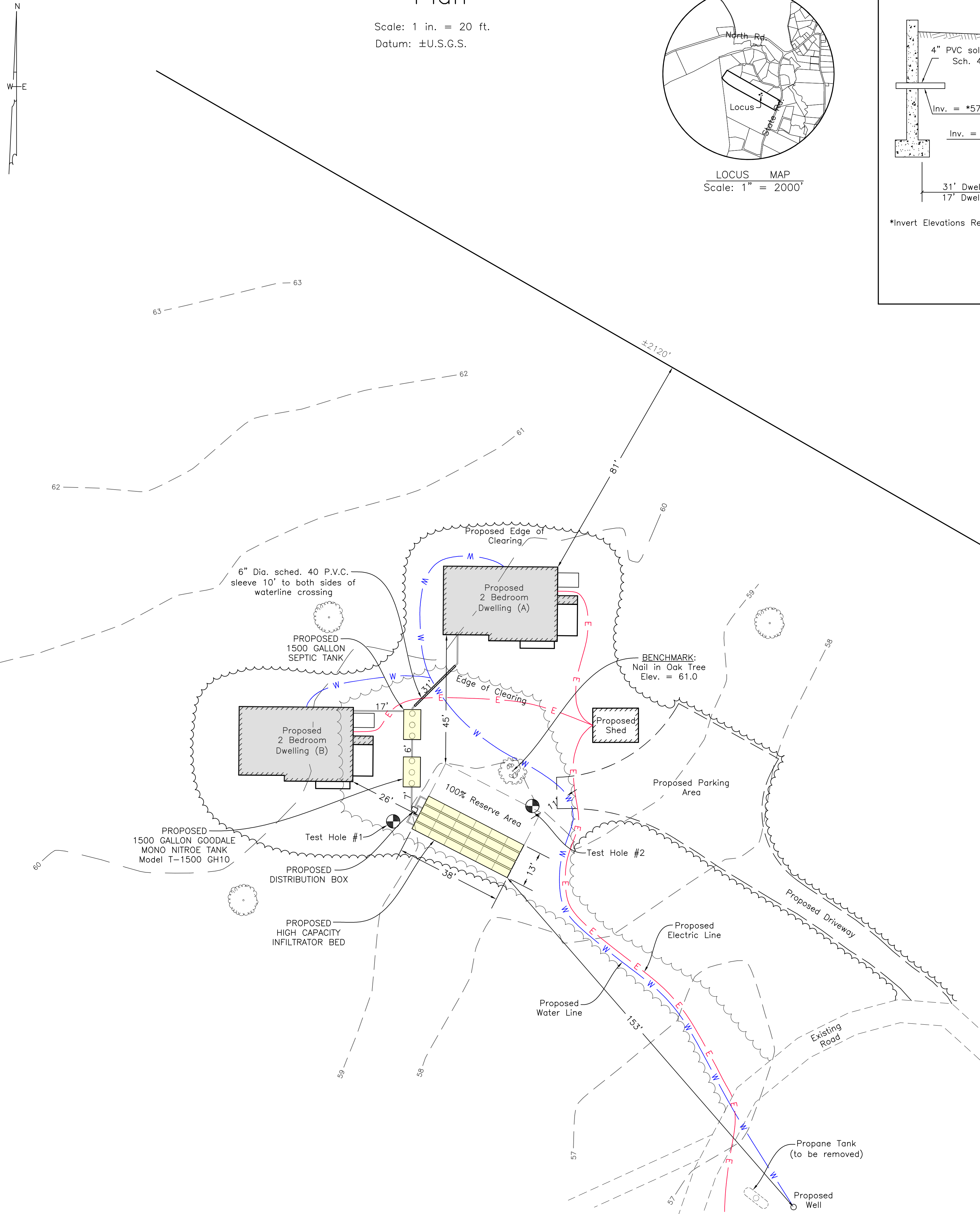
Alex

Plan

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



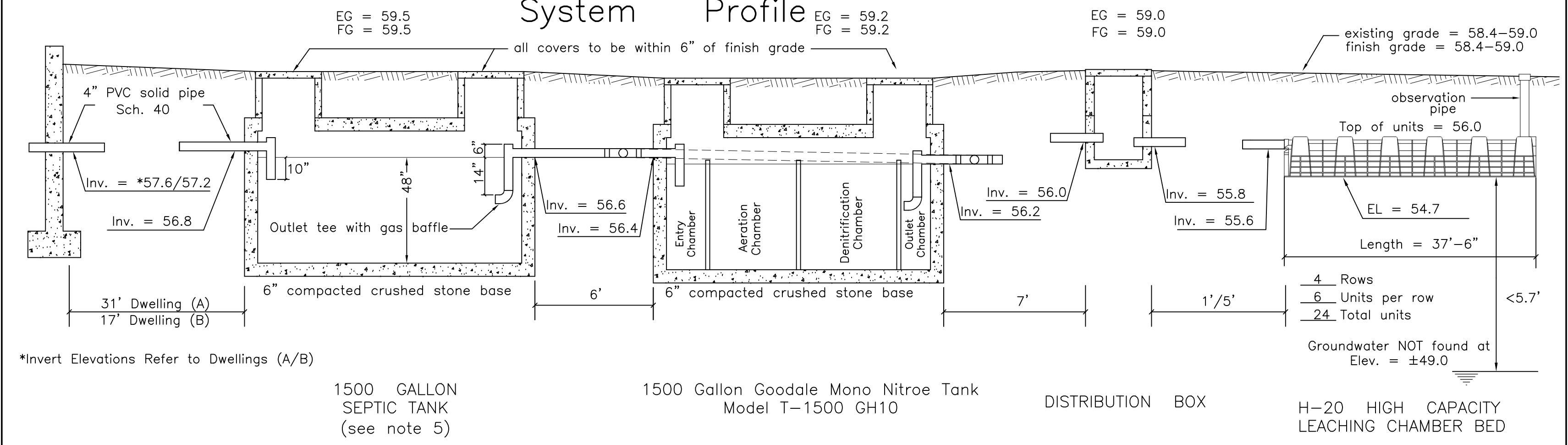
LOCUS MAP
Scale: 1" = 2000'



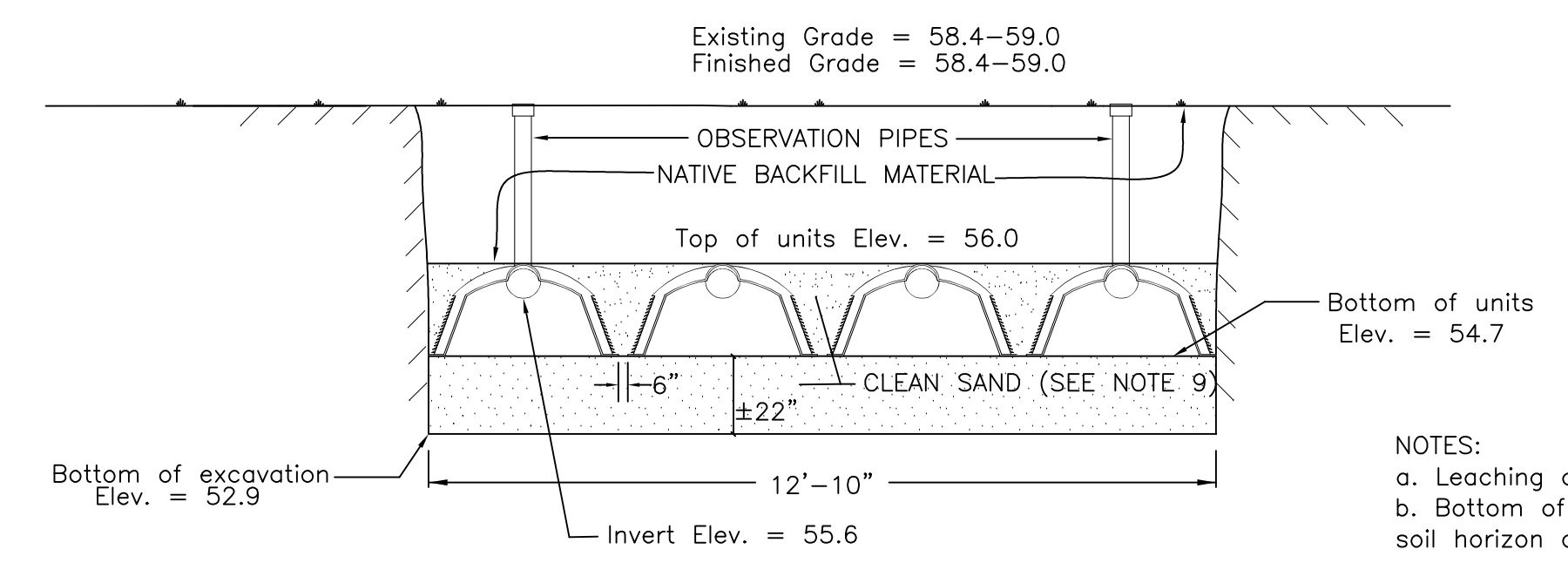
LEGEND

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

System Profile



System Cross Section



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.

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 4.72 sq.ft./linear ft. = 708 sq.ft.
708 sq.ft. x 0.74 GPD/sq.ft. = 523 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: Polly Hill Arboretum
Street Address: #809 State Road
Assessor No.: 25-2
Lot Area: ±19.52 acres
Designed By: Troy Silva
Checked By: R.G.S.
Date: June 26, 2022
Revised: 7/12/22 - Relocate Water and Electric Lines



Soil evaluator: Cody Coutinho
Witnessed By: Omar Johnson

SOIL DATA

Depth	Horizon	Texture
0"-6"	A	Sandy loam
6"-24"	B	Loamy sand
24"-60"	C1	Loamy sand
60"-120"	C2	Medium coarse sand

Perc. rate < 5 mpi. @60"
No groundwater found at Elev. = 49.3

Depth	Horizon	Texture
0"-6"	A	Sandy loam
6"-18"	B	Loamy sand
18"-42"	C1	Loamy sand
42"-120"	C2	Medium coarse sand

Perc. rate < 5 mpi. @42"
No groundwater found at Elev. = 49.0

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