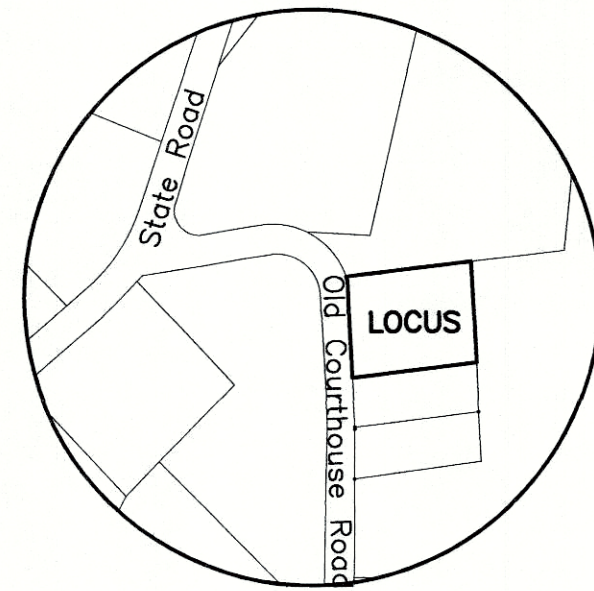


Plan

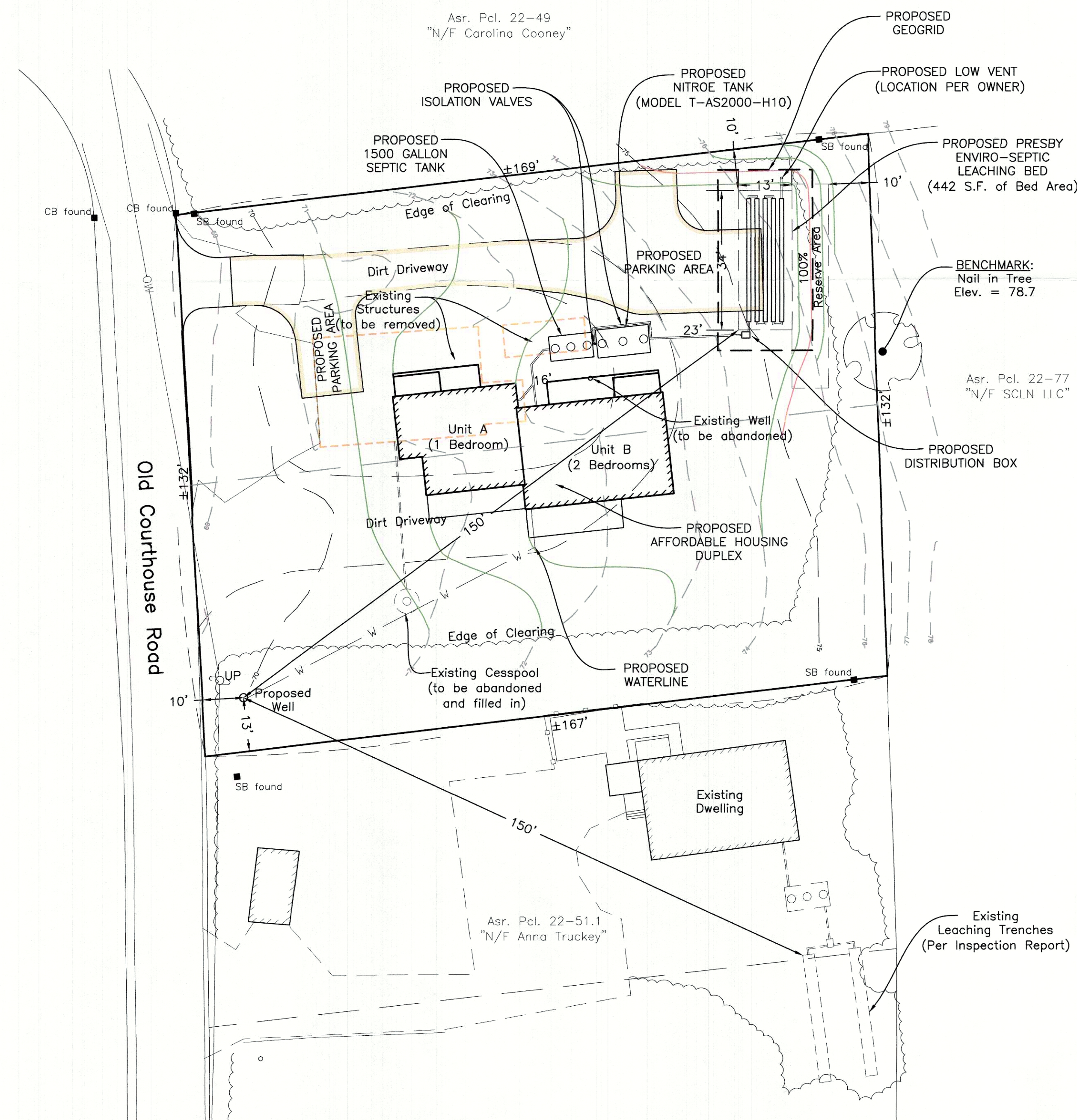
Scale: 1 in. = 20 ft.
Datum: \pm U.S.G.S.



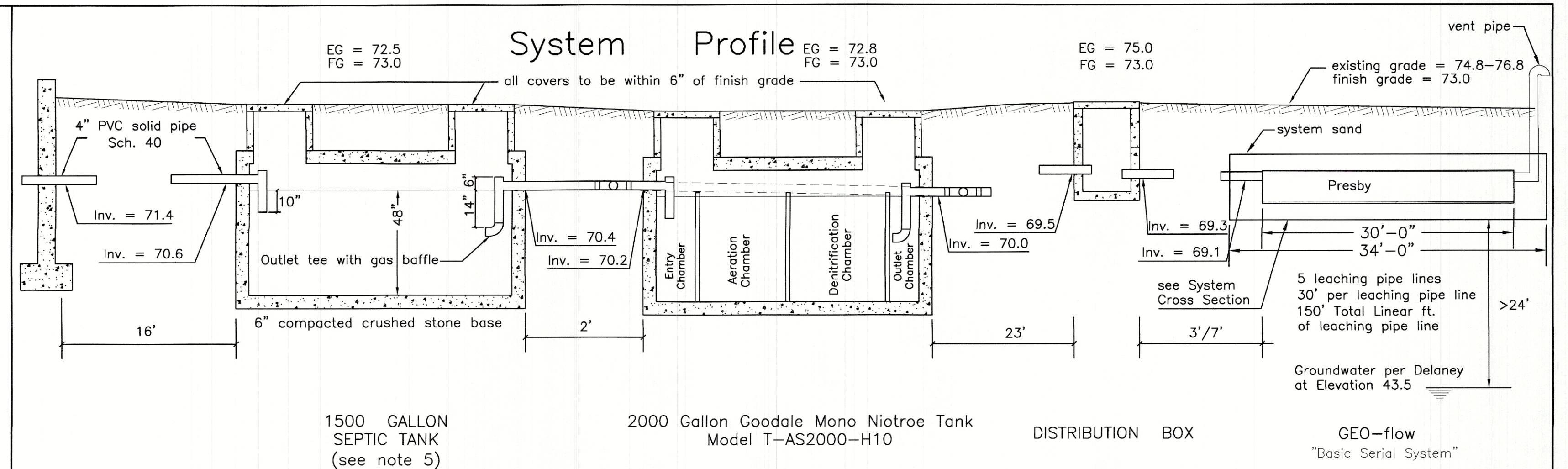
LOCUS MAP
Scale: 1" = 250'

West Tisbury Board of Health Variances Required

1. Leaching area to property line separation; 30' required - 10' proposed



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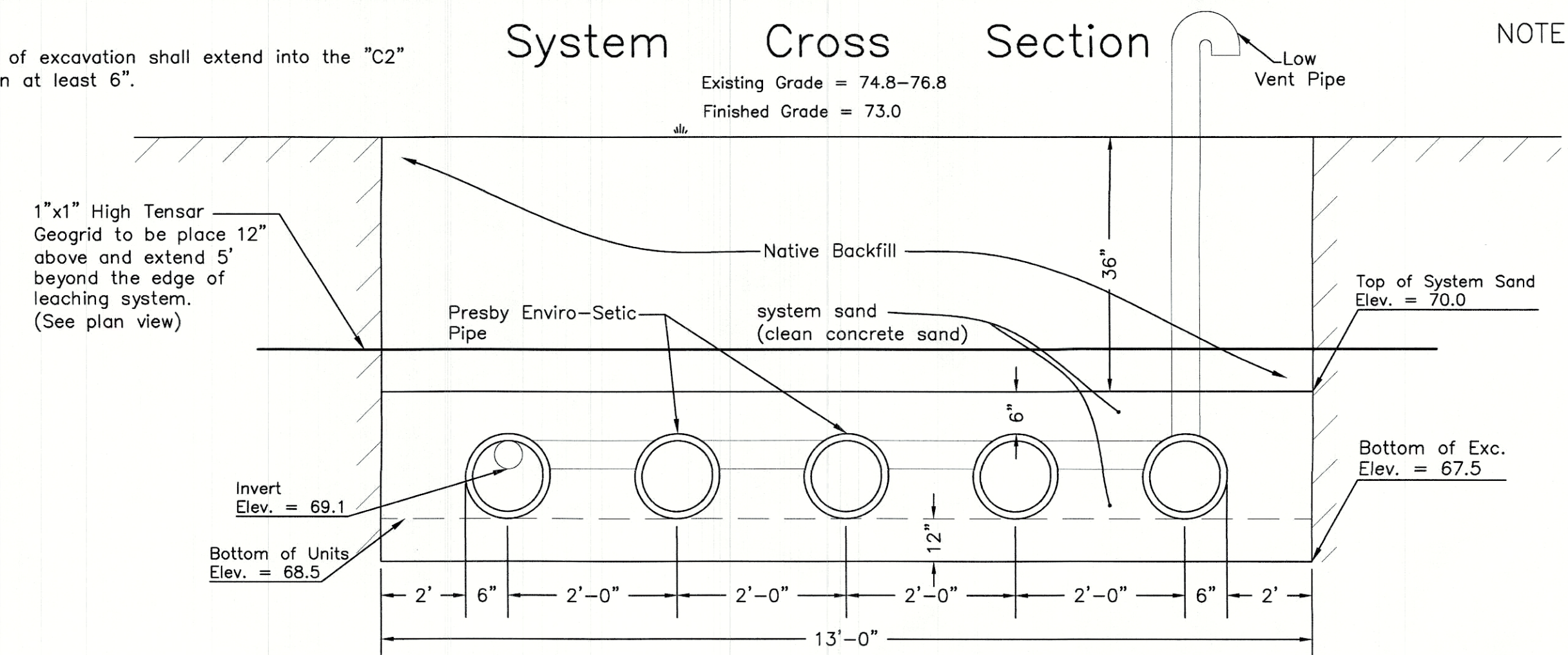


NOTES:

- a. Bottom of excavation shall extend into the "C2" soil horizon at least 6".

System Cross Section

NOTE: Not to scale



Notes

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 Pipes shall consist of Infiltrator Enviro-Septic Pipes 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, and no leaching facilities could be found within 150' of the proposed well.
11. The engineer is to inspect and approve the leaching excavation prior to the placement of any gravel, sand or components.
12. See Presby Enviroseptic manual for installation guidelines.

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

SOIL DATA

Deep Observation Hole 1.
Date: May 5, 2020
Surface elevation = 76.0
Depth Horizon Texture
0"-6" A Sandy Loam
6"-44" B Loamy Sand
44"-84" C1 Loamy Sand (Firm)
84"-120" C2 Medium/Fine Loamy Sand

Perc. rate < 10 mpi. @ 84"
No groundwater found at 120" (Elev. = 66.0)

Estimated depth to groundwater = 32' (Elev. 43.5)
(as per Groundwater Hydrology of Martha's Vineyard, Mass., Delaney, 1980)

Design Criteria

Design Hydraulic Loading:

1 Bedrooms (Unit A) x 110 GPD/Bedroom = 110 GPD
2 Bedrooms (Unit B) x 110 GPD/Bedroom = 220 GPD
TOTAL = 330 GPD

Septic tank capacity:

Required: 330 GPD x 200% = 660 Gal. minimum
Septic tank provided = 1500 Gal.

Leaching Capacity Provided:

Enviro-Septic Leaching Bed "Basic Serial System"

Enviro-Septic Pipe = 150 linear ft
Area of Enviro-Septic Bed = 13' x 34' = 442 sq.ft.
442 sq.ft. x 1.67 x 0.6 GPD/sq.ft. = 442 GPD

Leaching Capacity Limited by Total Pipe Length= 150 ft. (330 GPD)

Proposed Septic System on Land in West Tisbury, Mass.

Designed for: Town of West Tisbury - Affordable Housing

Street Address: #16 Old Courthouse Road

Assessor No.: 22-8

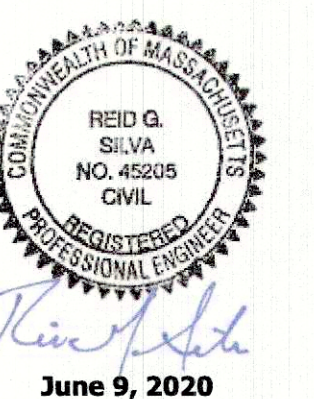
Lot Area: \pm 22,154 S.F.

Designed By: Cody Coutinho

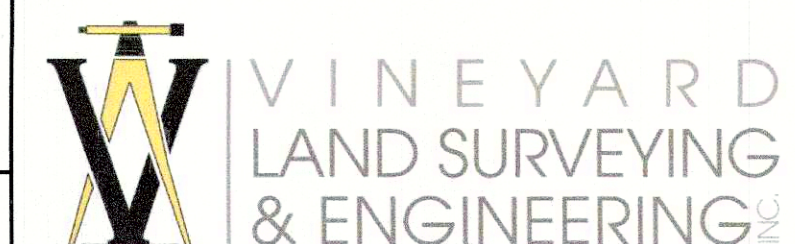
Checked By: RGS

Date: May 27, 2020

Revised:



June 9, 2020



12 Cournoyer Road
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West Tisbury, MA 02575
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VLSE.net

Job No. 387-6

6/9/2020
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