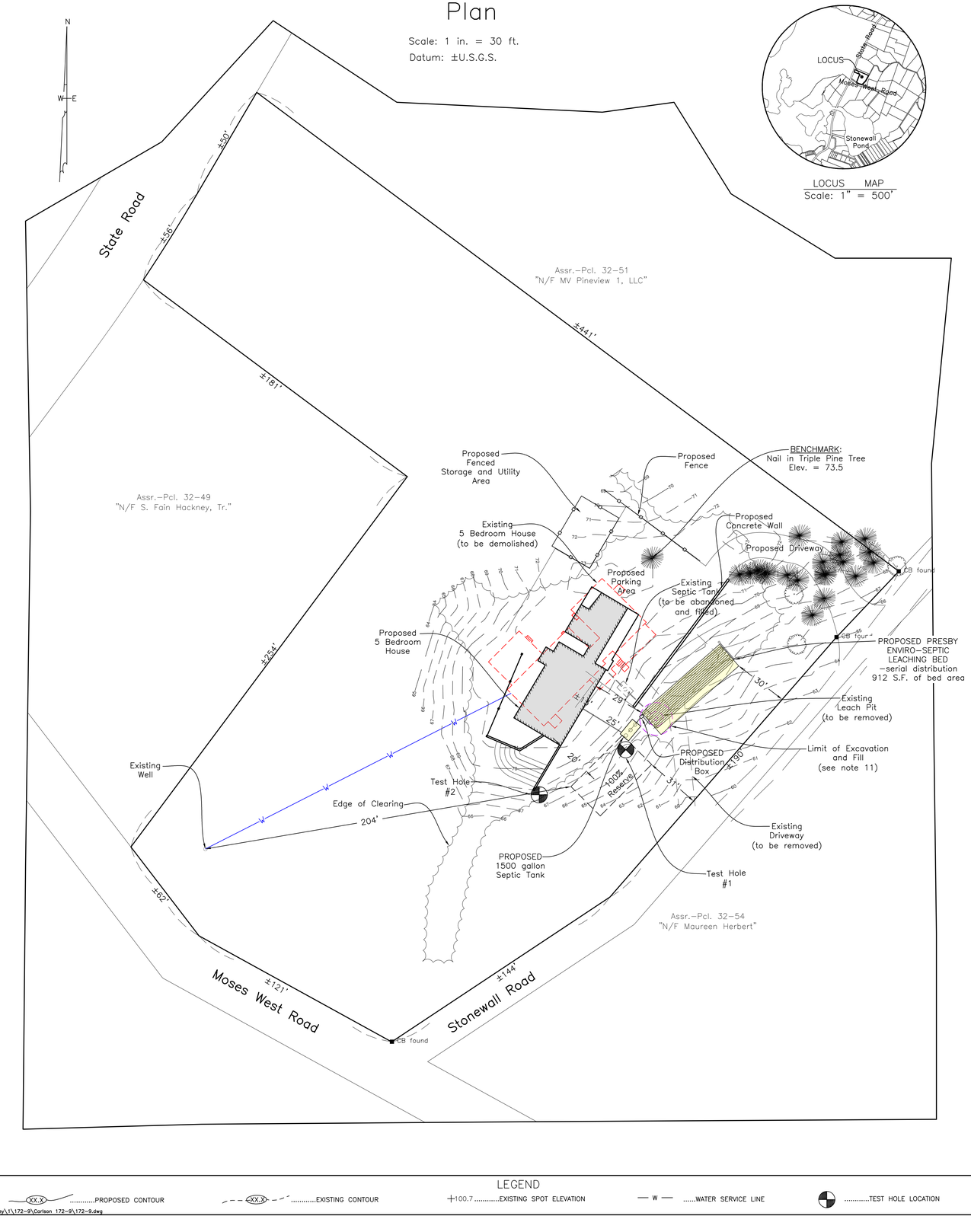
Plan

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



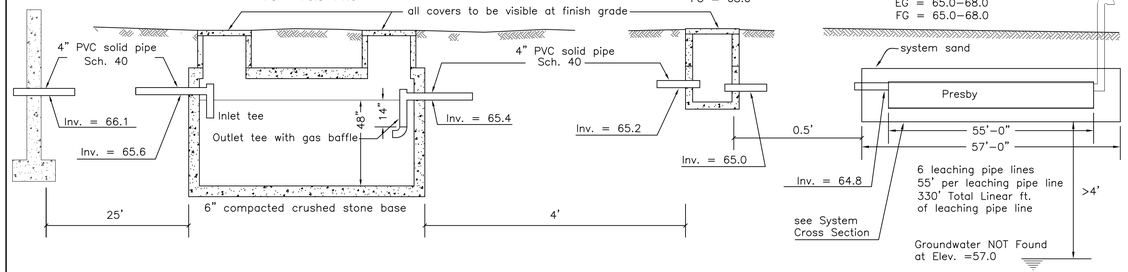
LOCUS MAP
Scale: 1" = 500'

LEGEND

(XX.X) .....PROPOSED CONTOUR
(XX.X) .....EXISTING CONTOUR
+100.7 .....EXISTING SPOT ELEVATION
— W — .....WATER SERVICE LINE
.....TEST HOLE LOCATION

S:\Survey\1\172-9\Carlson 172-9\172-9.dwg

System Profile



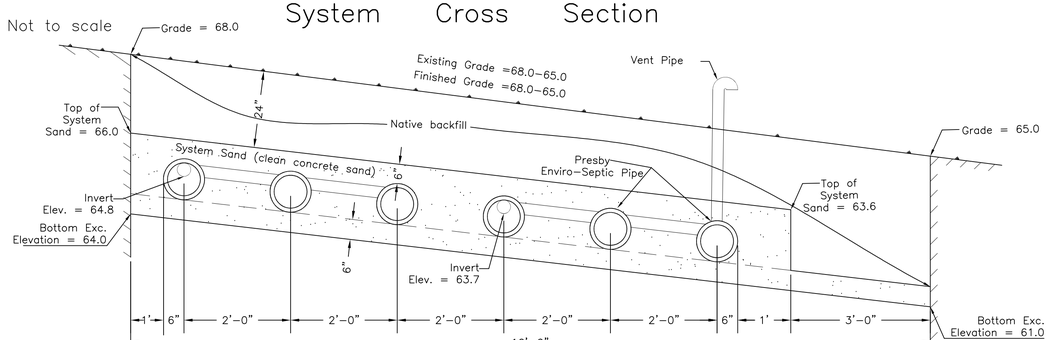
H20
1500 GALLON
Septic Tank
(see note 5)

DISTRIBUTION BOX

GEO–flow

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.

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. All access covers are to weigh at least 150 lbs. or screwed down.
7. Any clean sand fill required by this design is to have less than 4% passing the No. 100 sieve.
8. No wells could be found within 150' of the proposed leaching facility.
9. Leaching Pipes shall consist of Infiltrator Enviro–Septic Pipes or an approved equivalent.
10. See Presby Enviroseptic manual for installation guidelines.
11. **All deleterious or contaminated materials found within the "Exc & Fill" area shown on this plan shall be removed to a depth of no less than 6 inches below the proposed leaching facility (excavation and fill) and to an area 5' past the edge of existing pit face.**
12. **The engineer is to inspect and approve the leaching excavation prior to the placement of any gravel, sand or components.**
13. **The engineer (AND the local approving authority) is to inspect and approve the installation and placement of all septic components before final backfilling.**
14. 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:
GEO–flow Leaching Bed "Basic Serial System"
330 linear ft. of Enviro–Septic Pipe
Area of GEO–flow Bed = 16' x 57' = 912 sq.ft.
912 x 1.67 x 0.53 = 807 GPD
Leaching Capacity Limited by Total Pipe Length= 330 ft. (726 GPD)

SOIL DATA

Soil evaluator: Cody Coutinho
Witnessed By: Marina Lent

Deep Observation Hole 1.
Date: July 8, 2022
Surface elevation = 67.0

Depth	Horizon	Texture
0"–12"	A	Sandy loam
12"–32"	B	Loamy sand
32"–48"	C1	Loamy sand
48"–120"	C2	Fine sand

Perc. rate < 5 mpi. @48"
No groundwater found at Elev. = 57.0

Deep Observation Hole 2.
Date: July 8, 2022
Surface elevation = 68.5

Depth	Horizon	Texture
0"–12"	A	Sandy loam
12"–36"	B	Loamy sand
36"–120"	C	Loamy sand

Perc. rate < 5 mpi. @36"
No groundwater found at Elev. = 58.5

Proposed Septic System on Land in Chilmark, MASS.

Designed for: MV PINEVIEW 1 LLC
Street Address: 6 STONEWALL ROAD
Assessor No.: 32–50
Lot Area: ±2.48 AC
Designed By: Meegan Lancaster
Checked By: R.G.S.
Date: July 11, 2022
Revised:
March 9, 2023 – tank and field location

COMMONWEALTH OF MASSACHUSETTS
REID G. SILVA
CIVIL
No. 45205
REGISTERED PROFESSIONAL ENGINEER

March 10, 2022

VINEYARD LAND SURVEYING & ENGINEERING INC.
12 Cournoyer Road
P.O. Box 421
West Tisbury, MA 02575
P 508-693-3774 F 508-629-0440
VLSE.net

Job No. 172–9