



5 & 7 N Abels Hill Road

Chilmark, MA



January 3, 2024

1 inch = 141 Feet

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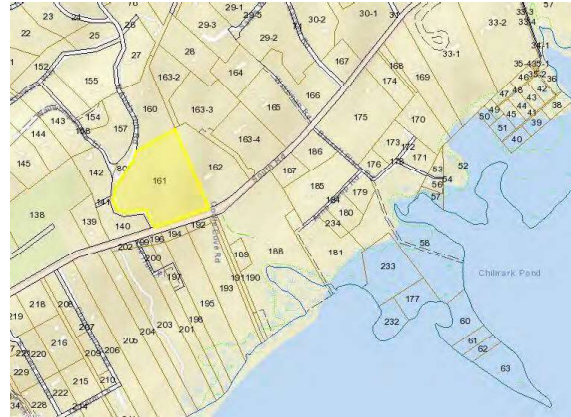
DRAWING INDEX:

- G100 GENERAL INFORMATION
- A100 BASEMENT PLAN
- A101 FIRST FLOOR PLAN
- A500 ELEVATION PLAN
- S100 STRUCTURAL

GROUND SNOW LOAD: 25 LBS
 EXPOSURE B
 WIND LOAD: 140MPH/ 3 SECOND GUST
 ASCE 7-10 OPTIONAL DESIGN

OPENING SCHEDULE			
UNIT	MODEL	R.O.	QTY
A	TW3052	3'-2 1/8" x 5'-4 7/8"	3
AA	TW3052 (mulled)	6'-4 1/8" x 5'-4 7/8"	2
B	CW125	2'-4 7/8" x 2'-4" 7/8"	4
C	P6045	6'-0 3/8" x 4'-5 3/8"	1
D	TW3046	3'-2 1/8" x 4'-8 7/8"	2

LOCUS:



BASE BUILDING CODES:

- 780 CMR: Massachusetts State Building Code (2015 IRC with MA Amendments)
- 527 CMR: Massachusetts Fire Prevention Regulations (NFPA 1 - 2015)
- 527 CMR: 12: Massachusetts Electrical Code (NFPA 1 - 2023)
- 2015 International Mechanical Code (HVAC mechanical systems)
- 225 CMR 22: Massachusetts Stretch Code



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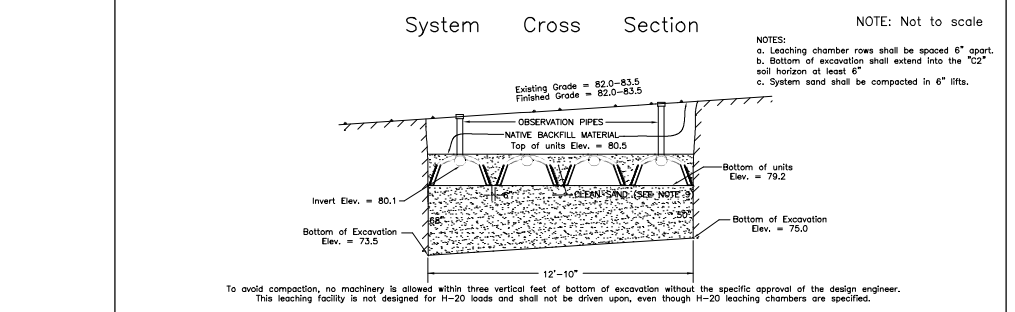
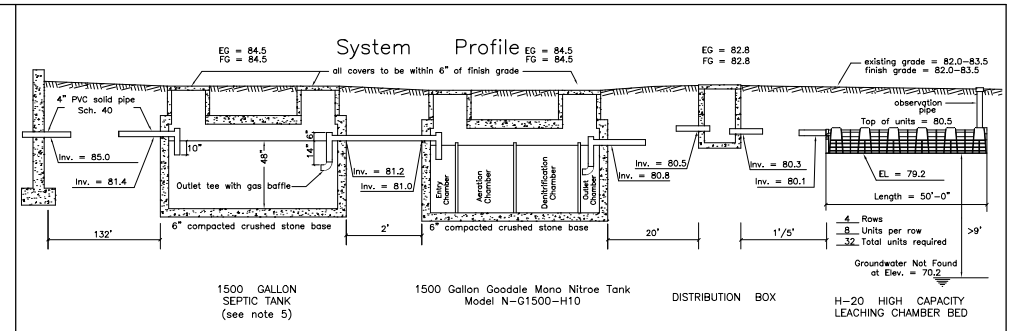
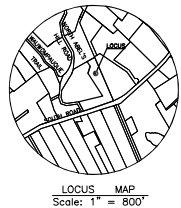
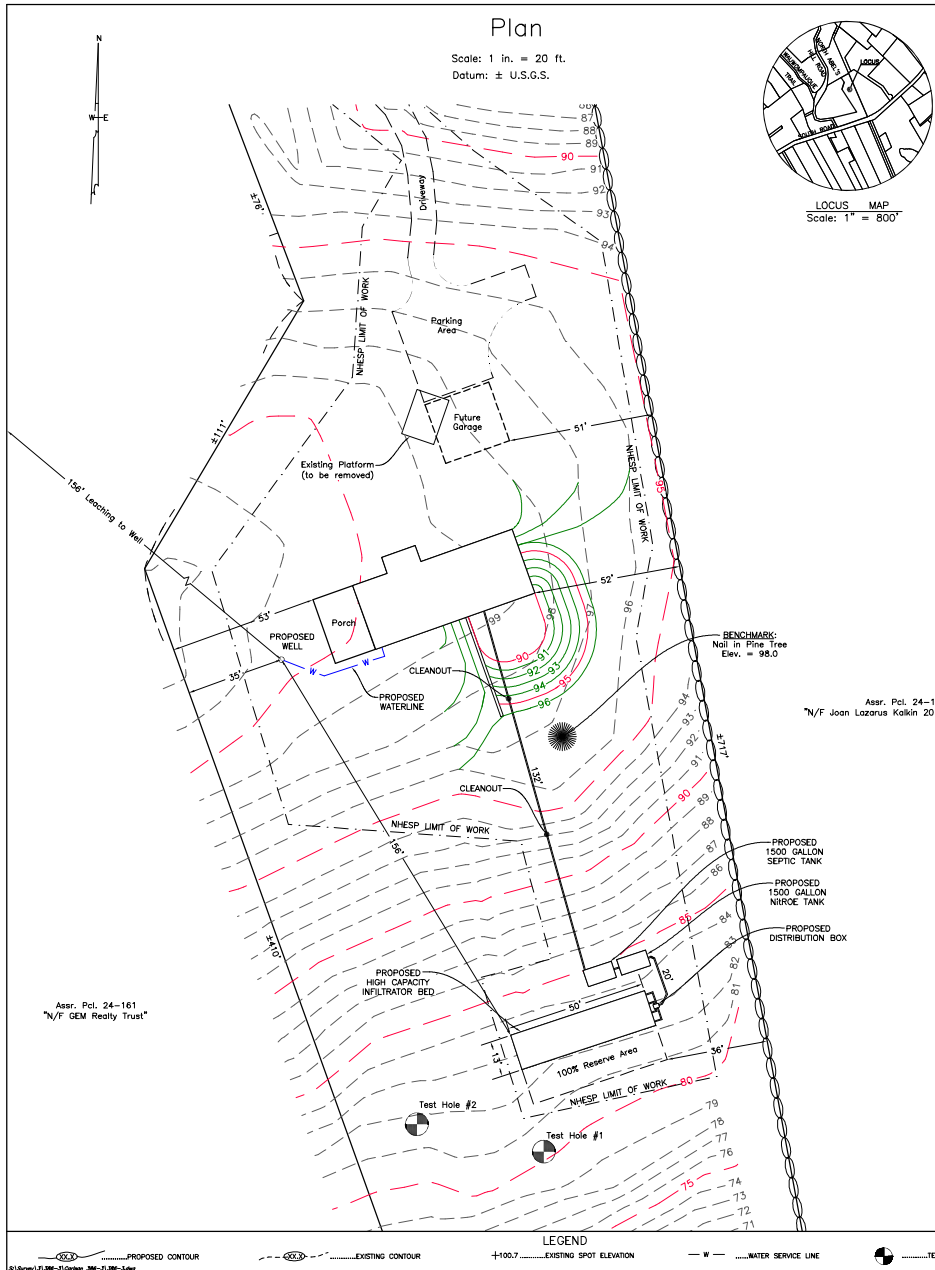
FEUERSTEIN RESIDENCE
 7 NORTH ABEL'S HILL ROAD
 CHILMARK MA

PERMIT

DATE: 10.3.23

DRAWN BY: MBR

G100



- ### 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 bioeffusor 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:
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
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 linear ft. in bed configuration.

SOIL DATA

Soil evaluator: Reid G. Silva, P.E.
Witnessed By: Marina Lent

Deep Observation Hole 1.	Deep Observation Hole 2.																																	
Date: March 22, 2021	Date: March 22, 2021																																	
Surface elevation = 80.2	Surface elevation = 81.8																																	
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Per. rate < 5 mpt. @ 60" No groundwater found at 120" (Elev. = 70.2)	Per. rate < 5 mpt. @ 96" No groundwater found at 138" (Elev. = 70.3)																																	

Proposed Septic System on Land in Chilmark, Mass.

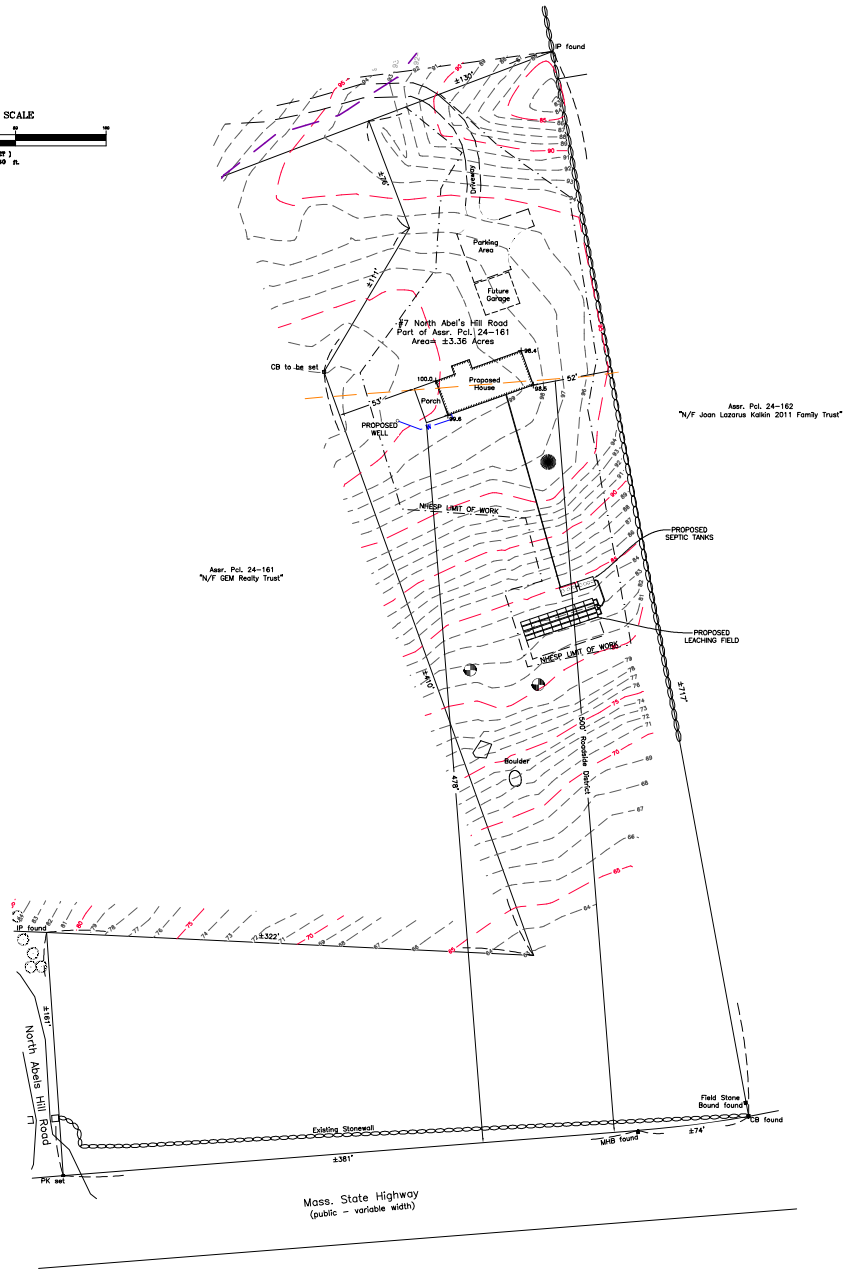
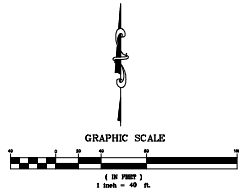
Designed for: GEM Realty Trust
 Street Address: #7 North Abel's Hill Road
 Assessor No.: Part of 24-161
 Lot Area: ±3.36 Acres

Designed By: Cody Coutinho
 Checked By: R.G.S.
 Date: August 24, 2023
 Revised:

August 29, 2023

VINEYARD LAND SURVEYING & ENGINEERING

12 Courtyard Road
 P.O. Box 421
 West Tisbury, MA 02575
 P 508-693-3774 F 508-629-0440
 VLSE.net



Elevation Datum: s.U.S.G.S.
 Notes:
 Zoning District: II
 Setbacks: 50' Front/25ft/Rear
 Minimum Lot Size - 3.0 acres
 * Setbacks to be confirmed by town official
 Mean Average Grade: $(100.0 + 98.0 + 98.5 + 98.6) / 4 = 98.1$
 Maximum Ridge Elevation (Wooded Terrain): $99.1 + 24 = 123.1$

Site Plan in
 Chilmark, Mass.
 Prepared for
 Nahiro Realty LLC
 Scale 1" = 30'
 December 22, 2023

VINEYARD
 LAND SURVEYING
 & ENGINEERING, INC.
 12 Claymeyer Road
 P.O. Box 421
 West Tisbury, MA 02575
 P: 508-635-2244 F: 508-635-0442
 VLSI.net



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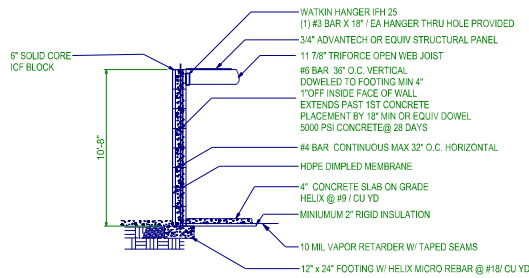
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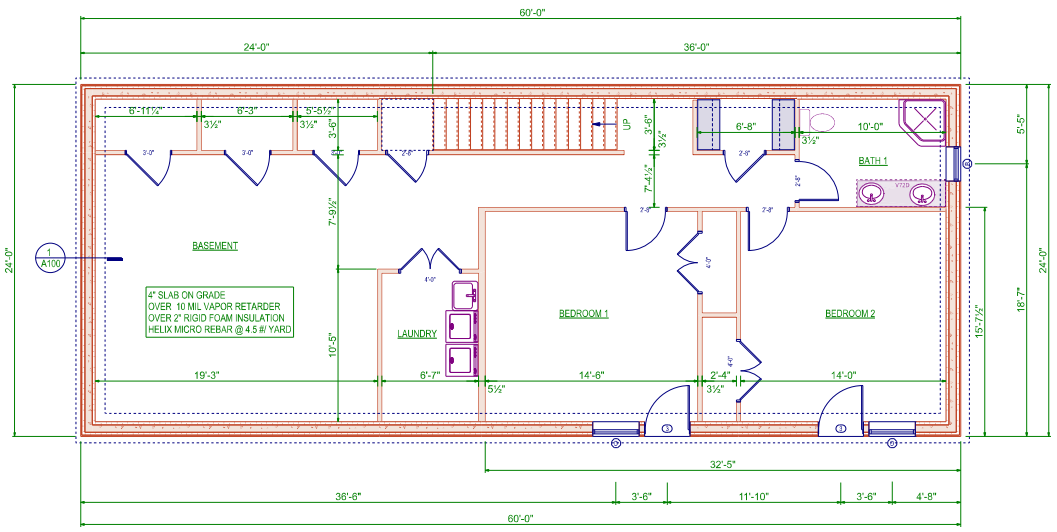
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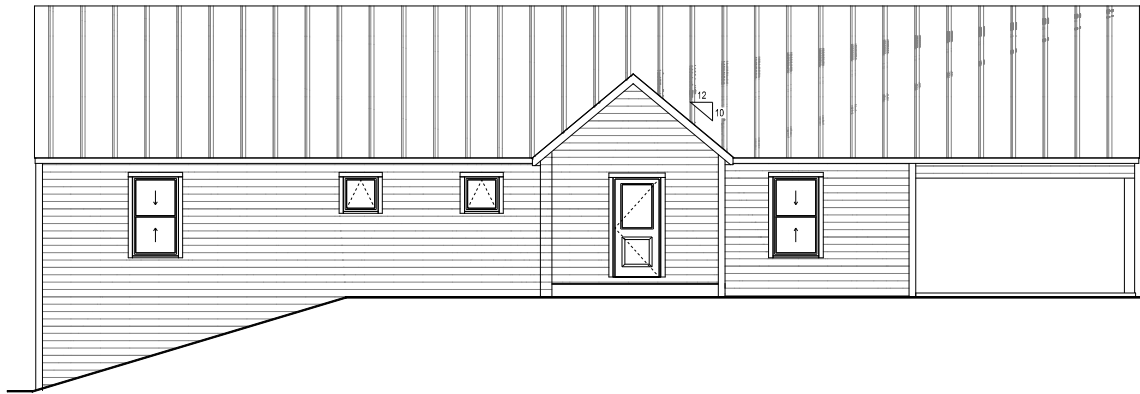


1 EXTERIOR ICF WALL
A100 1/4" = 1'

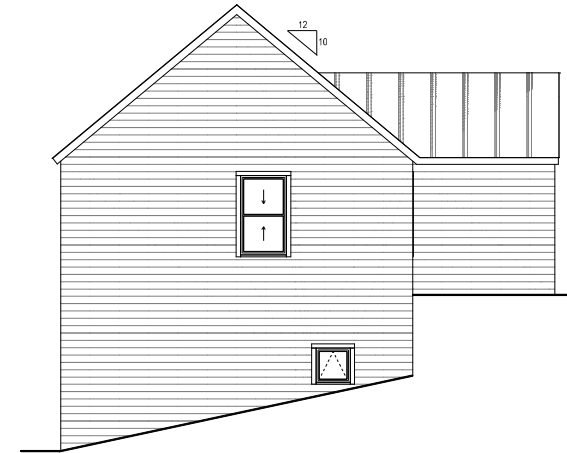


BASEMENT

SCALE: 1/4" = 1'



SOUTH ELEVATION



WEST ELEVATION



NORTH ELEVATION



EAST ELEVATION



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A500