



26 Basin Road

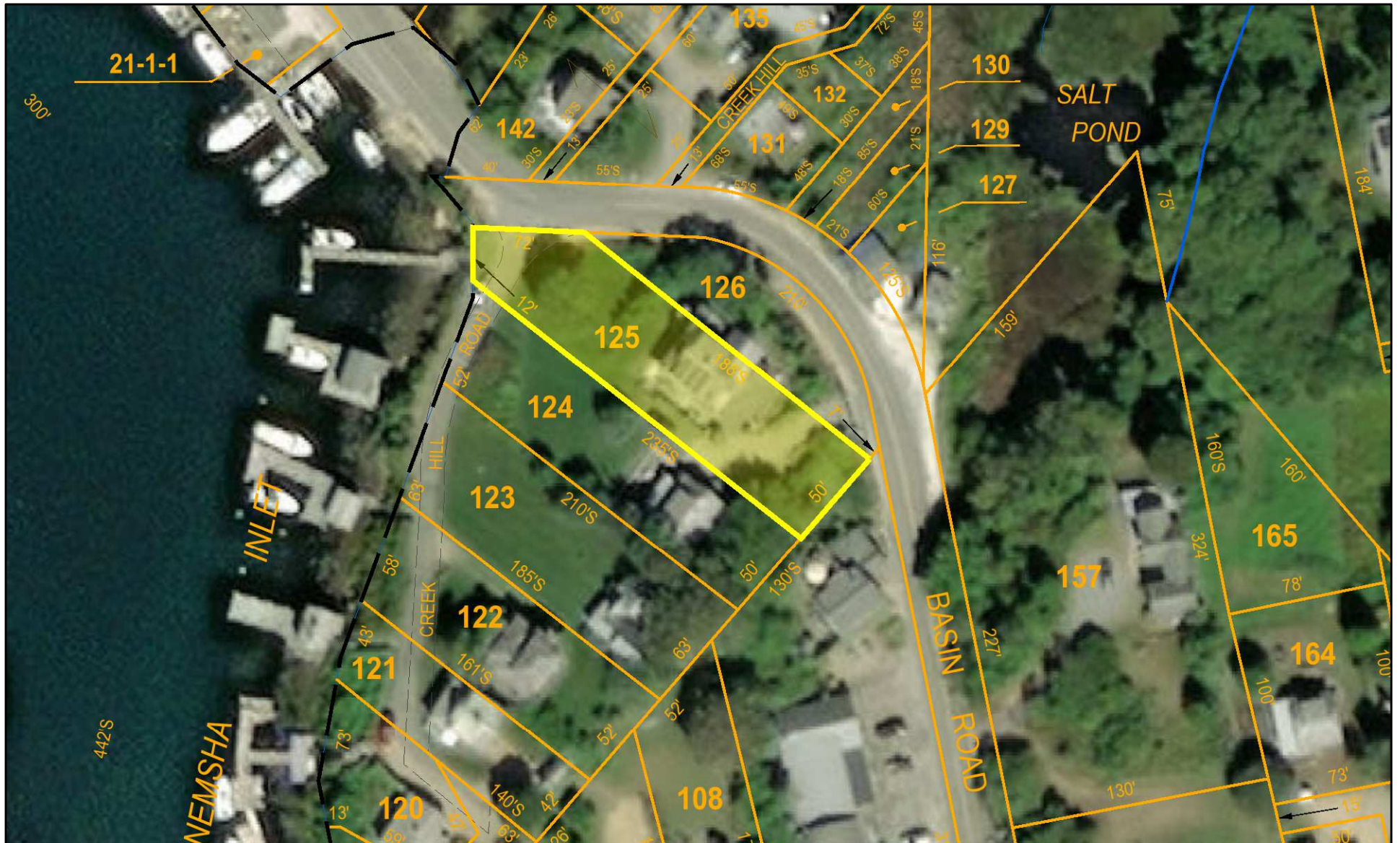
Chilmark, MA



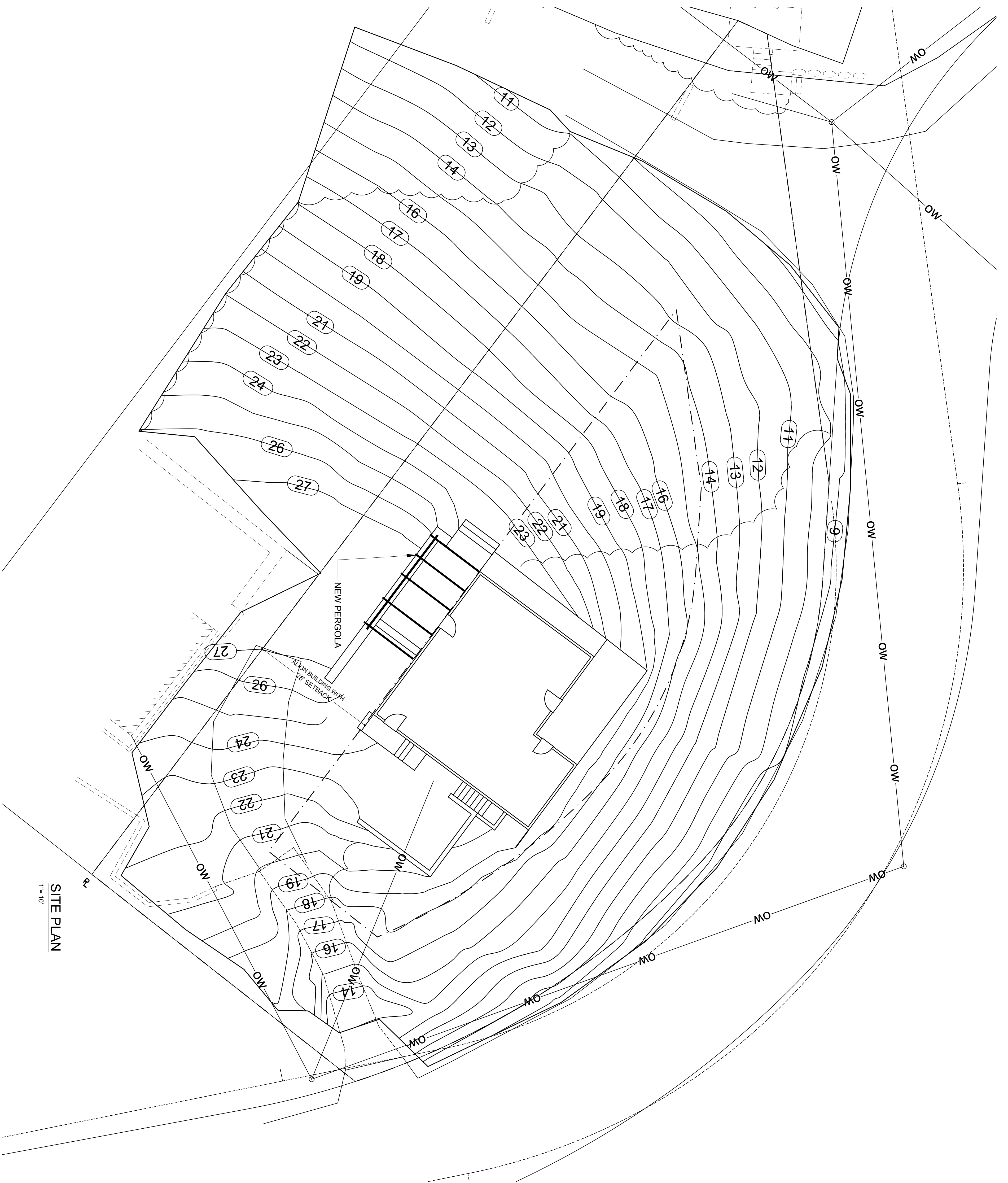
February 2, 2022

1 inch = 70 Feet

www.cai-tech.com



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SITE PLAN
1"=10'

TITLE
SITE PLAN

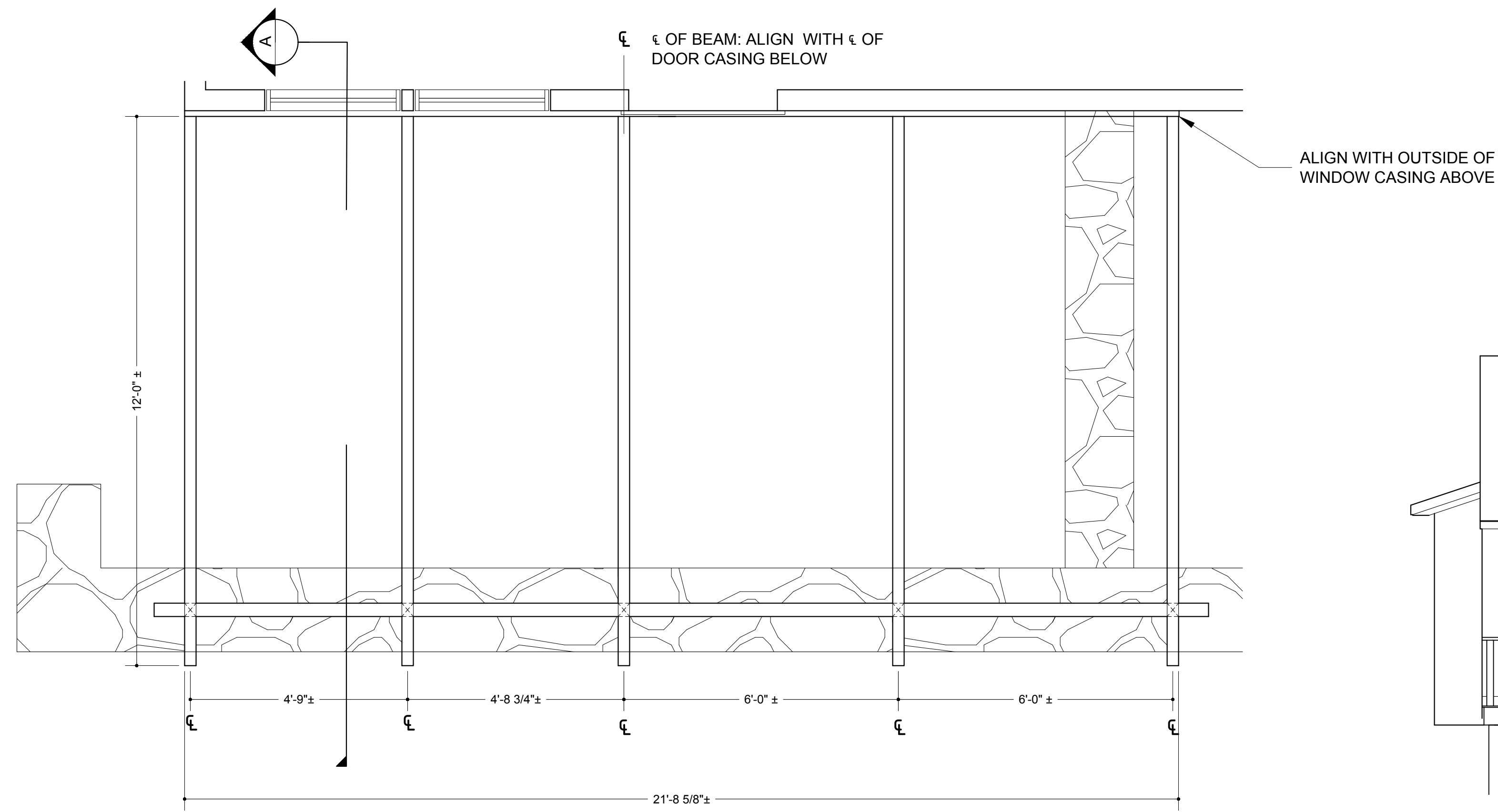
DIMAURA: RENOVATION
26 BASIN ROAD, CHILMARK, MA
ASSESSOR'S # 27.1 - 125

SOIKKELI & COMPANY, INC.
DESIGN AND CONSTRUCTION
P.O. BOX 1195, VINEYARD HAVEN, MA 02568
508-693-9359 FAX 508-696-7696

ISSUE	DATE	BY	REVISION	BY
REVIEW	12.30.21			
PERMIT				

SCALE: VARIES
SHEET NO.

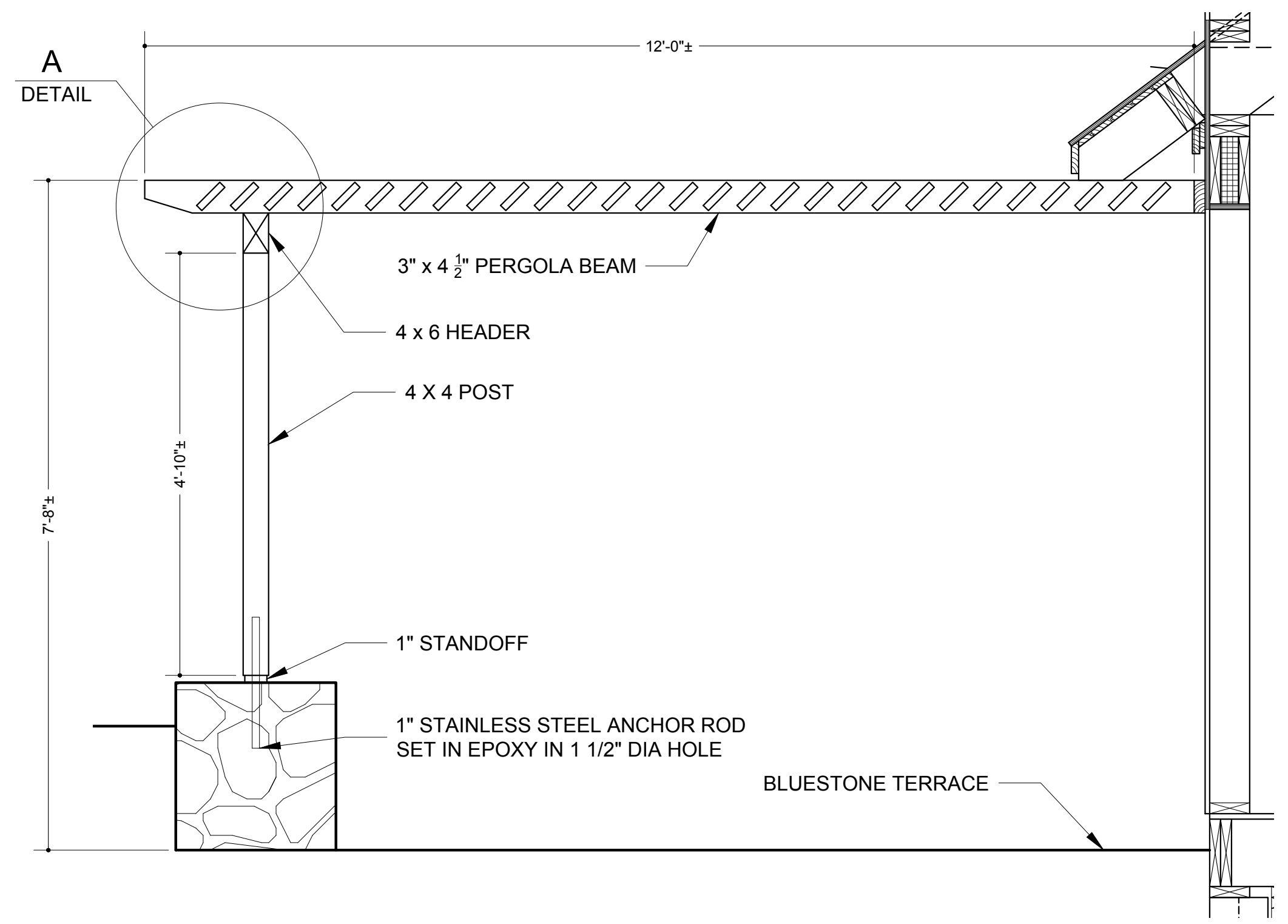
1



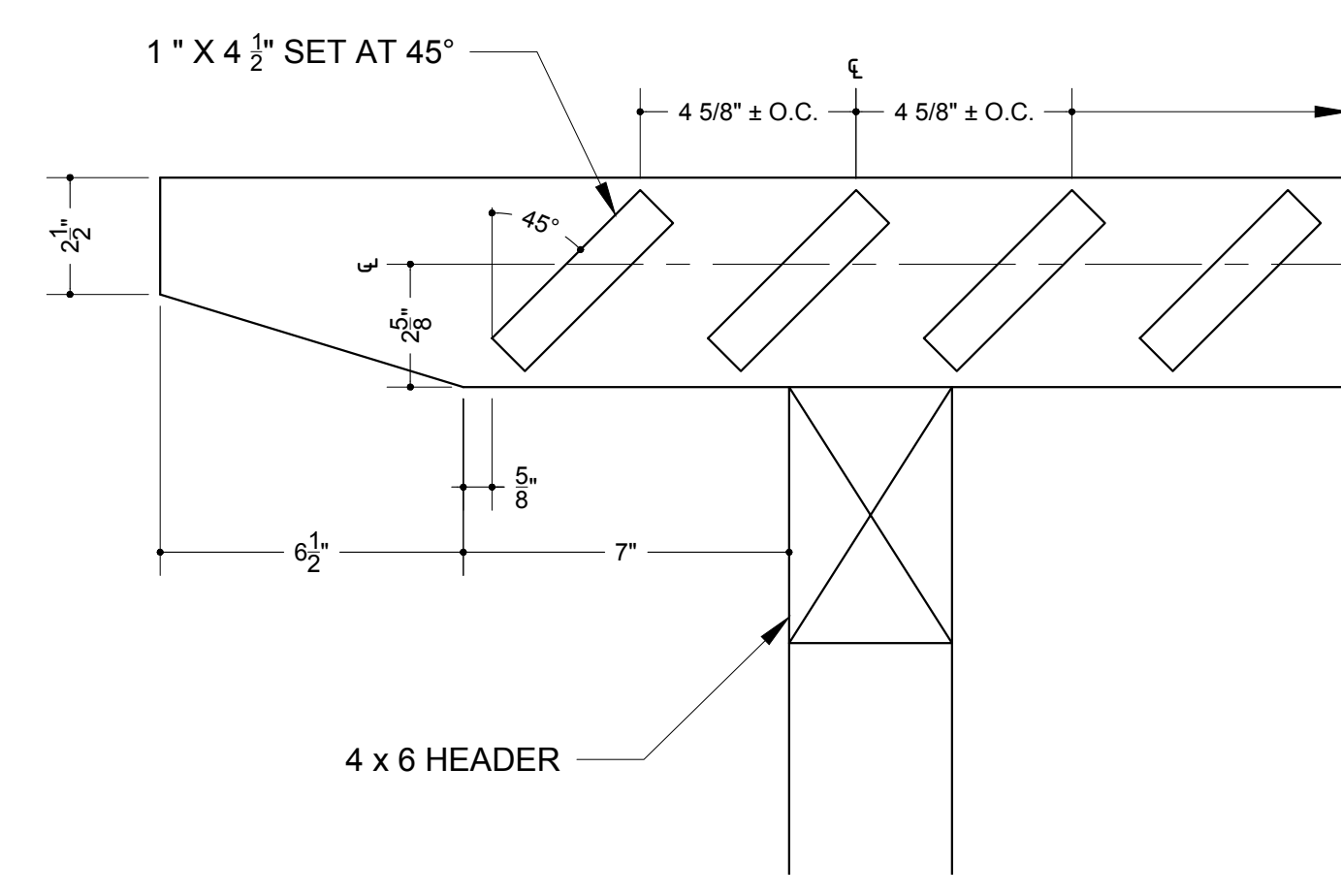
PERGOLA PLAN
1/2" = 1' - 0"



WEST ELEVATION
1/4" = 1' - 0"



SECTION A
3/4" = 1' - 0"



DETAIL A
3" = 1' - 0"



SOUTH ELEVATION
1/4" = 1' - 0"

ISSUE	DATE	BY	REVISION
PROGRESS	12.30.2021		

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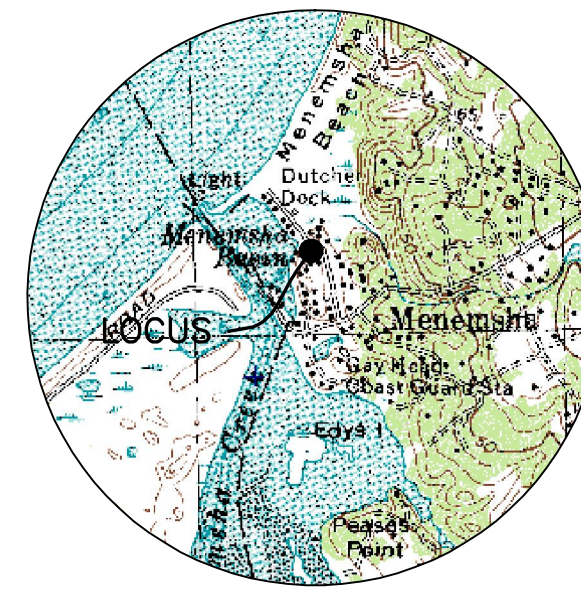
DIMAURA: RENOVATION
28 BASIN ROAD, CHILMARK, MA
ASSESSOR'S # 27.1 - 125

TITLE
PERGOLA PLANS

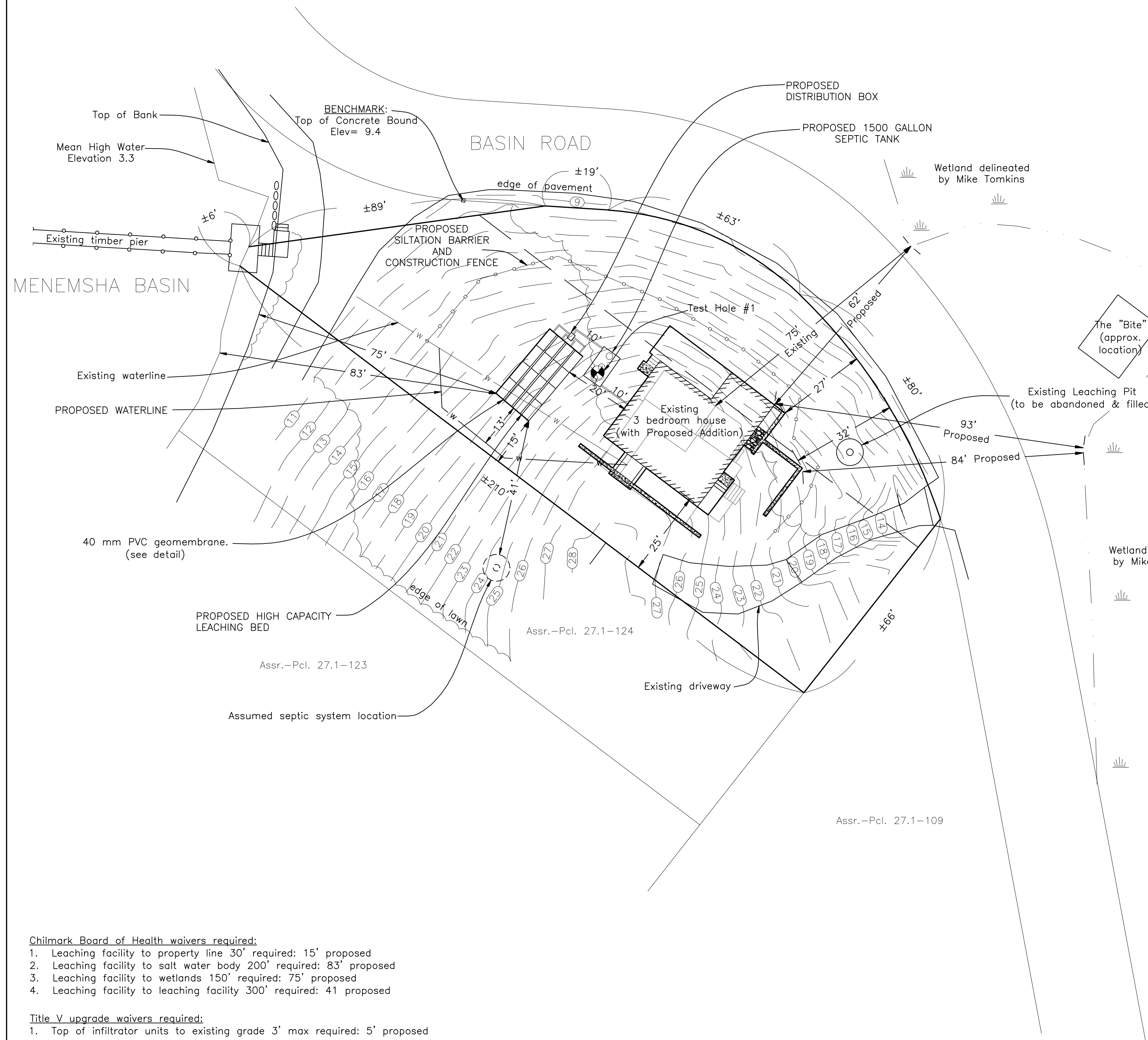
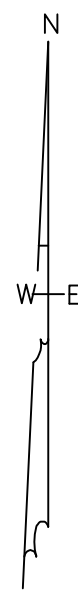
SCALE: AS NOTED
SHEET NO.

Plan

Scale: 1 in. = 20 ft.
Datum: ±USGS



LOCUS MAP
Scale: 1:25000



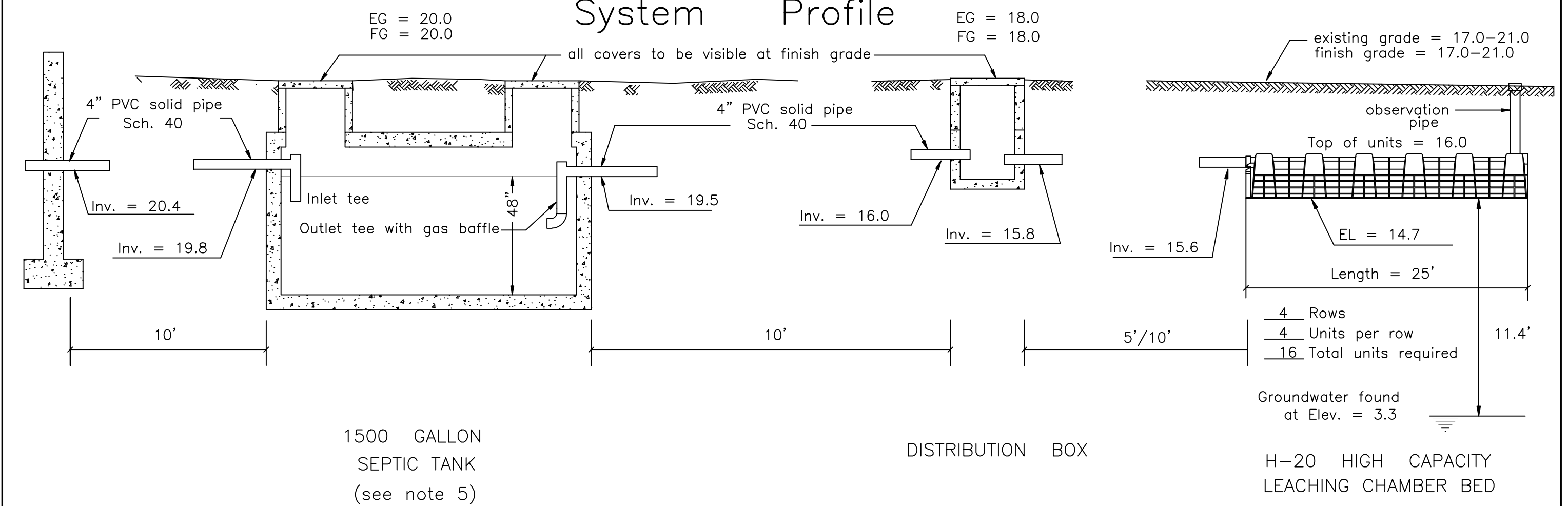
- Chilmark Board of Health waivers required:**
1. Leaching facility to property line 30' required: 15' proposed
 2. Leaching facility to salt water body 200' required: 83' proposed
 3. Leaching facility to wetlands 150' required: 75' proposed
 4. Leaching facility to leaching facility 300' required: 41 proposed

- Title V upgrade waivers required:**
1. Top of infiltrator units to existing grade 3' max required: 5' proposed

LEGEND

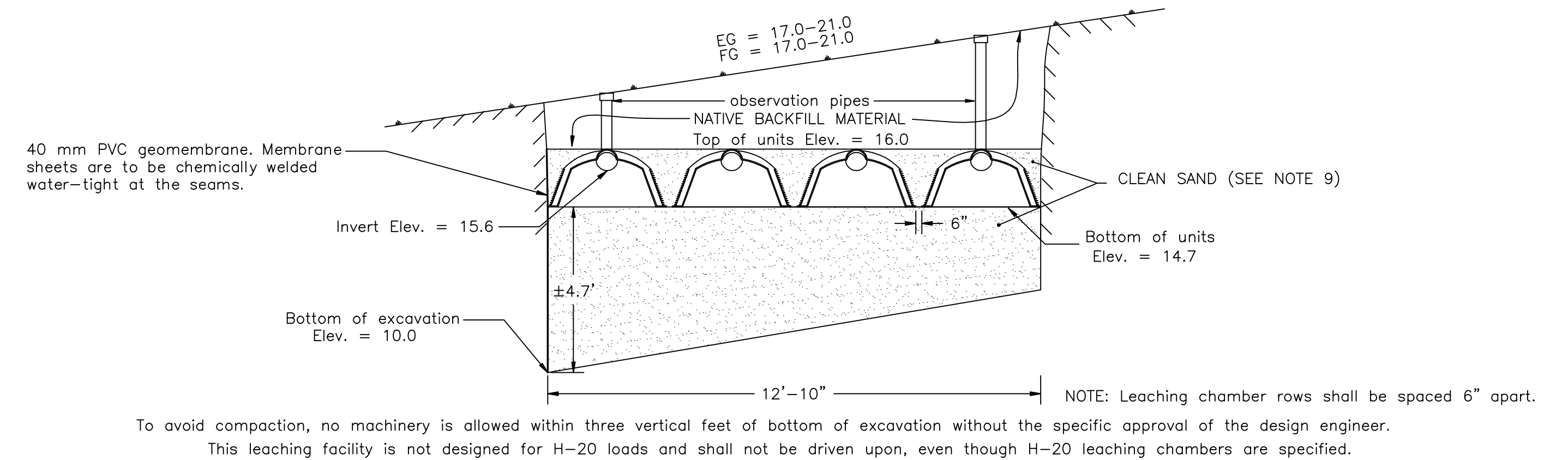
-PROPOSED CONTOUR
-EXISTING CONTOUR
- +100.7.....EXISTING SPOT ELEVATION
- W —.....WATER SERVICE LINE
-TEST HOLE LOCATION

System Profile



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. and are to be brought to grade by adding risers as necessary. The covers are to be visible at the surface.
8. The inlet tee of the septic tank shall be easily removable (not glued) so as to allow the use of a plumbers snake if necessary.
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.
11. Leaching Chambers shall consist of Infiltrator high capacity, ADS high capacity biodiffusor or an approved equivalent.
12. The engineer is to inspect the excavation of leaching field prior to placement of any clean sand or components.
13. The engineer 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**
3 Bedrooms x 110 GPD/Bedroom = 330 GPD
- Septic tank capacity:**
Required: 330 GPD x 200% = 660 Gal. minimum
Septic tank provided = 1500 Gal.
- Leaching Capacity Provided:**
H-20 High Capacity Leaching Chamber Bed
16 Leaching Chamber Units
16 Units x 6.25 linear ft./unit x 4.7 sq.ft./linear ft. = 470 sq.ft.
470 sq.ft. x 0.74 GPD/sq.ft. = 347 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 UPGRADE on Land in CHILMARK, MASS.

Designed for: PAUL W. DIMAURA

Street Address: #26 BASIN ROAD

Assessor No.: 27.1-125+126

Lot Area: ±15,090 SQ.FT.

Designed By: Reid G. Silva, P.E.

Checked By: _____

Date: JANUARY 16, 2012

Revised: _____

Soil evaluator: Reid G. Silva, P.E. SOIL DATA
Witnessed By: M. Lent

Deep Observation Hole 1.

Date: January 11, 2012

Surface elevation = 21.5

Depth Horizon Texture

0"-10" A Sandy loam

10"-34" B Sandy loam

34"-76" C1 Silt loam

76"-132" C2 Loamy sand

Perc. rate < 5 mpi. @ 76"

No groundwater found at 132", Elev. = 10.5

VINEYARD LAND SURVEYING & ENGINEERING, INC.
12 Courmoyer Road, P.O. Box 421 West Tisbury, MA 02575
P 508.693.3774 F 508.693.8575