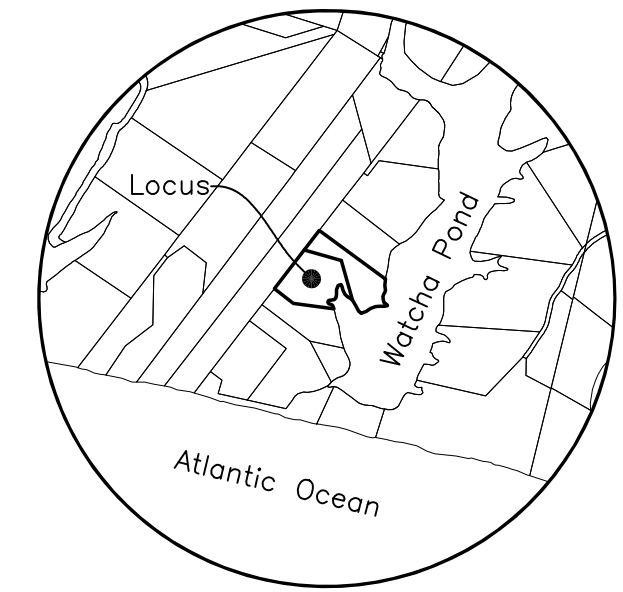
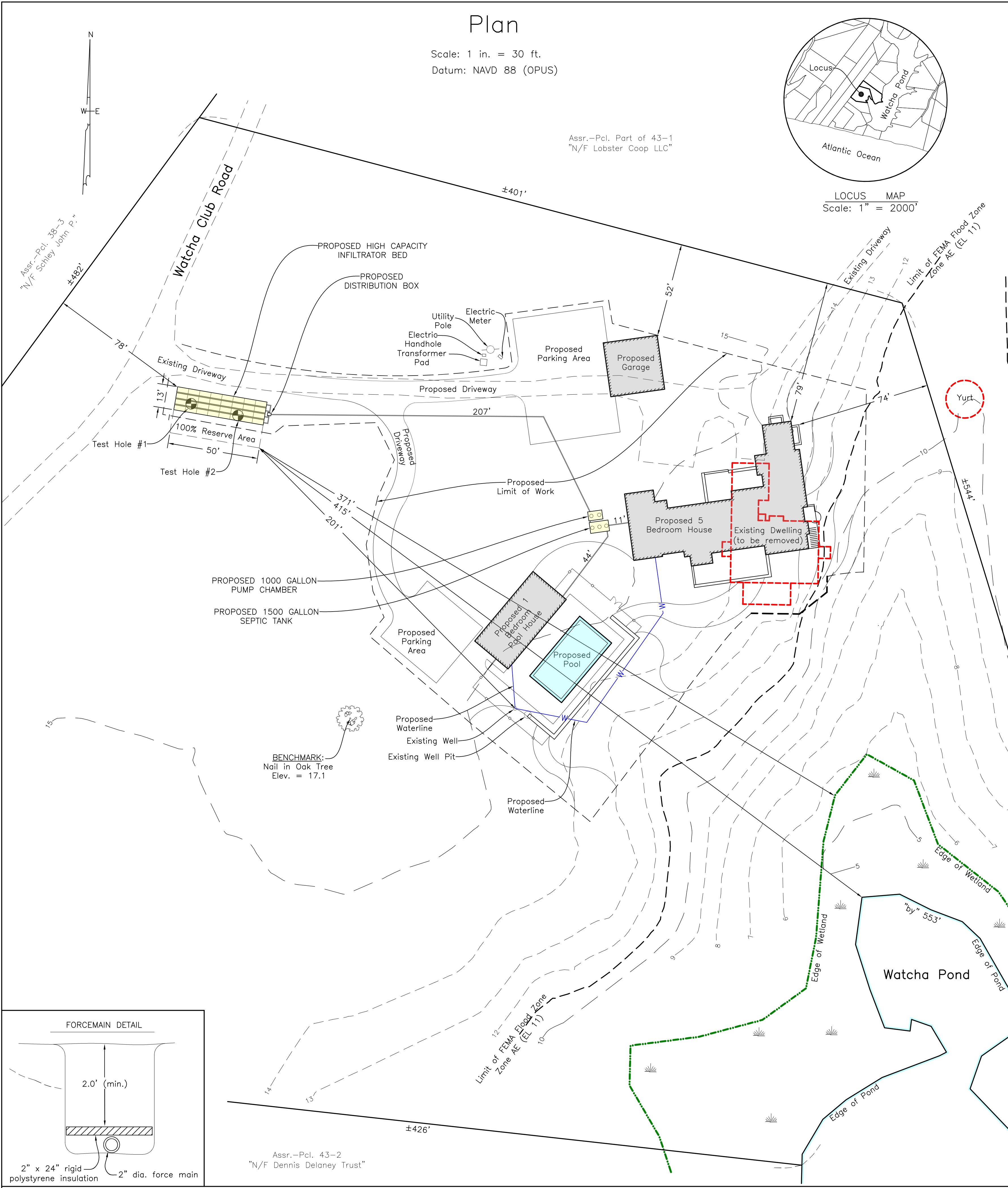


Plan

Scale: 1 in. = 30 ft.
Datum: NAVD 88 (OPUS)



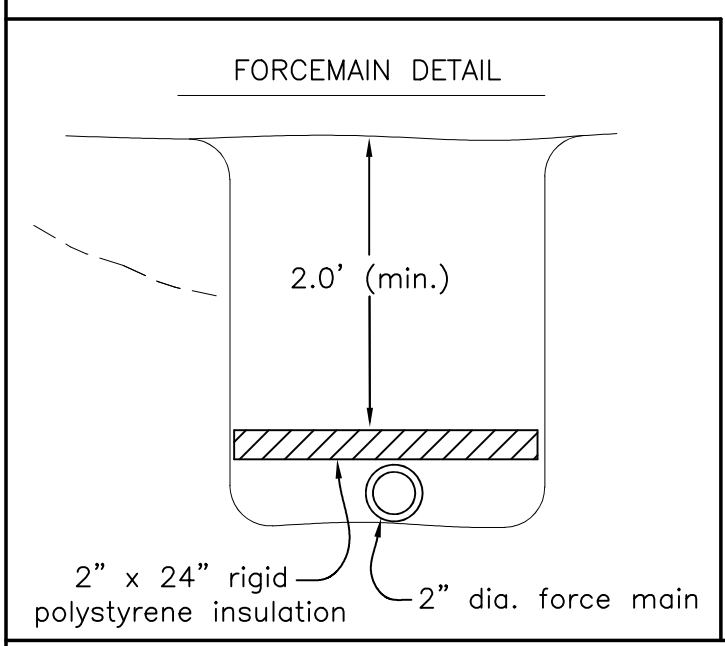
LOCUS MAP
Scale: 1" = 2000'



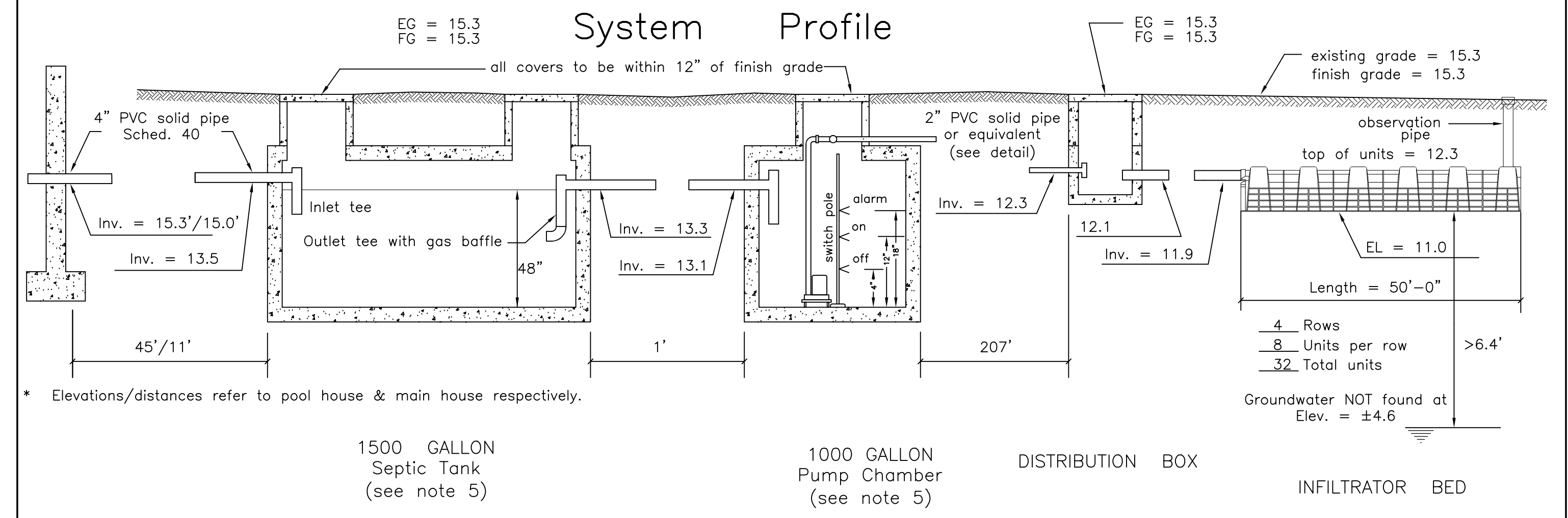
Assr.-Pcl. 43-2
"N/F Dennis Delaney Trust"

LEGEND

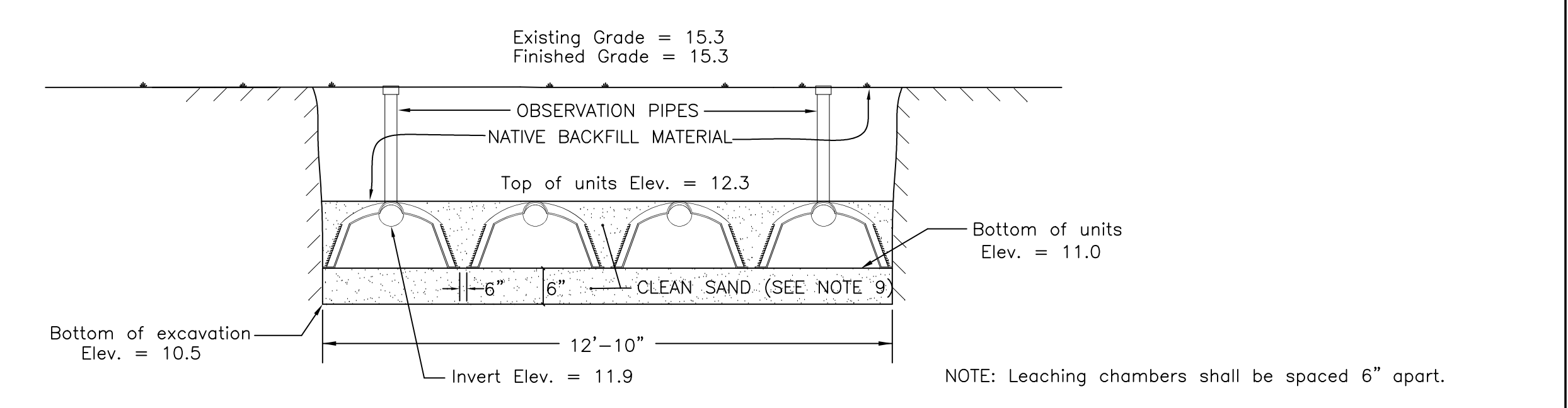
--- PROPOSED CONTOUR --- EXISTING CONTOUR +100.7 EXISTING SPOT ELEVATION --- W --- WATER SERVICE LINE ○ TEST HOLE LOCATION



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.

PUMP NOTES

- An alarm system shall be installed on a separate electrical circuit.
- The pump shall be capable of pumping 10 gallons per minute at a head of 50 feet.
- The pump shall be installed directly below the access opening and connected with unions so as to be easily removed without emptying the tank.
- The force main shall be insulated as shown or buried a minimum of 4 ft. below grade.

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

SOIL DATA

Depth	Horizon	Texture	Depth	Horizon	Texture
0"-10"	A	Sandy loam	0"-10"	A	Sandy loam
10"-36"	B	Loamy sand	10"-38"	B	Loamy sand
36"-132"	C	m-c Sand	38"-96"	C	m-c Sand

Perc. rate < 5 mpi. @ 36"
No groundwater found at 132" Elev. = 4.6
Estimated depth to groundwater = ±11' below test hole #1 Elevation 4.6'

Perc. rate < 5 mpi. @ 38"
No groundwater found at 96" Elev. = 7.3'

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:
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 lineal ft. in bed configuration.

Proposed Septic System on Land in WEST TISBURY, MASS.

Designed for: WATCHA CLUB LLC
Street Address: #100 WATCHA CLUB ROAD (Lot 1)

Assessor No.: Part of 43-1
Lot Area: ±6.6 Acres
Designed By: Troy Silva
Checked By: R.G.S.
Date: April 15, 2022
Revised:



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

Job No. 1450-4