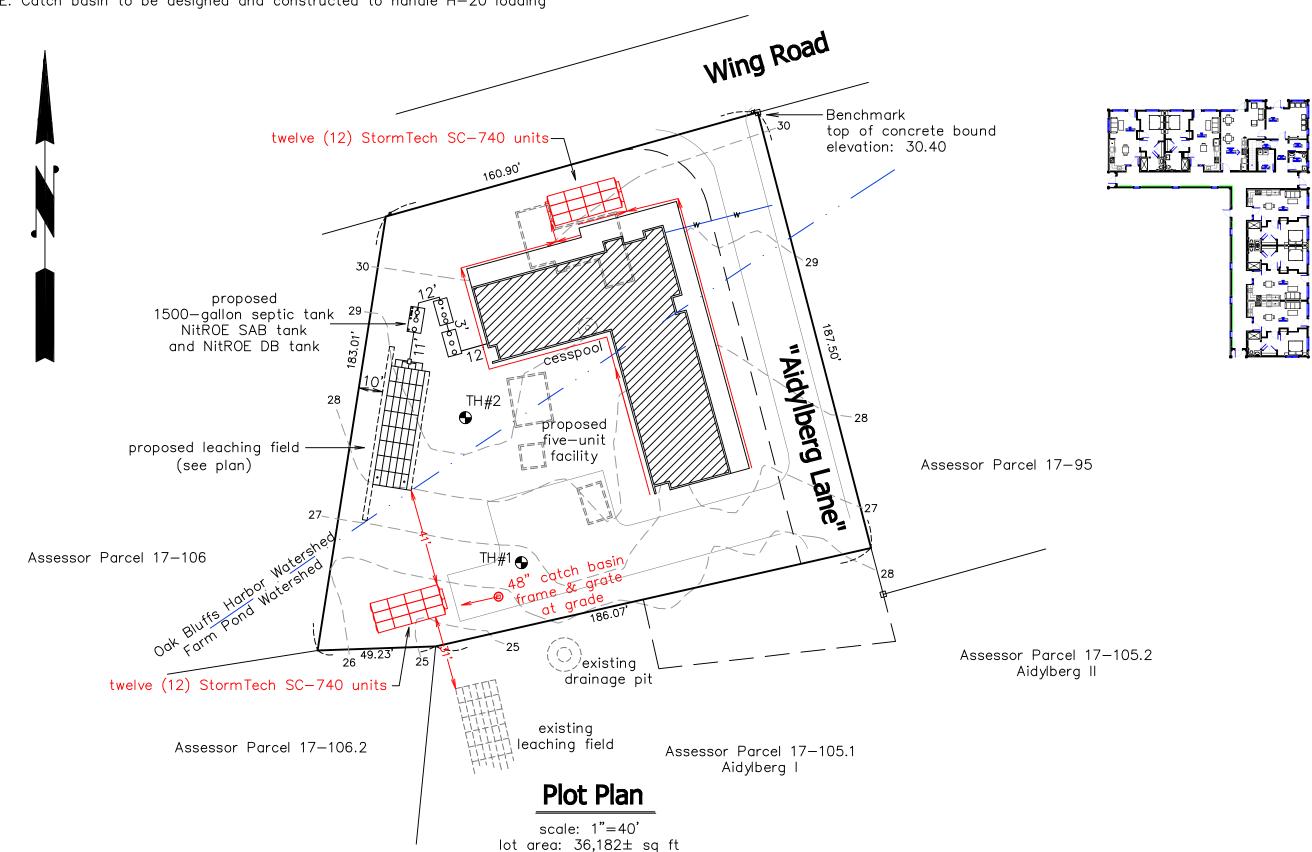


- A. Stormtech SC-740 units to be set on excavated grade at a minimum of 5' below grade
- B. Engineer to inspect excavation of drainage fields prior to placement of units C. Downspouts to dischage to drainage fields through 4" PVC or ADS pipe laid at 1% minimum slope toward field
- D. A tee extending 10" below the flow line shall be provided at the catch basin outlet
- E. Catch basin to be designed and constructed to handle H-20 loading



1. Elevations refer to approximate mean sea level datum. See bench mark on plot plan located on top of concrete bound (elevation: 30.40)

General Notes

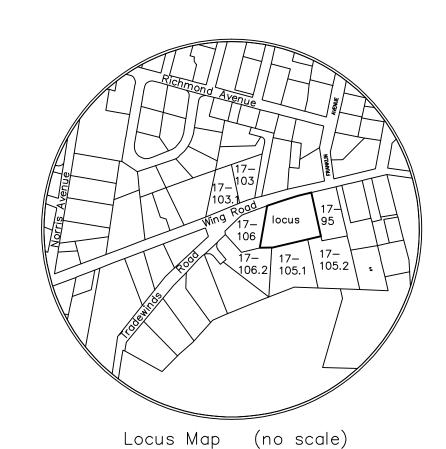
- 2. Finished grading to be done in accordance with plot plan.
- 3. Percolation tests to be performed in accordance with the instructions of Title V of the Massachusetts State Environmental Code.
- 4. All construction to conform to Title V and Board of Health requirements.
- 6. Septic tank and distribution box shall be watertight after construction, including covers.
- 7. No driveway, parking or turning area or other impervious areas shall be located above the soil absorption system.
- 8. No permanent structure may be constructed over the 100% expansion area.
- 9. Schofield, Barbini & Hoehn Inc. will not be responsible for the performance of the system unless constructed as shown. Any alterations must be approved in writing by Schofield, Barbini & Hoehn Inc.
- 10. The Board of Health shall require inspection of all construction by the design engineer and by the agent of the Board of Health.
- 11. The design engineer and the system installer shall certify in writing to the approving authority that the system has been constructed in compliance with the approved plans.
- 12. For proper performance, the septic tank should be inspected at least once a year and when the total depth of scum and solids exceed 1/3 the liquid depth of the tank, the tank should be pumped.
- 13. Distribution box cover to be brought to finish grade.

Project Notes

- A. No wells were found within 100' of the proposed leaching facility
- B. Existing cesspool to be abandoned, crushed and backfilled with compacted structural fill
- C. Underground utilities to be located at start of construction and relocated as required

Zone II Notes: Locus lies within Zone II of the Farm Neck municipal well Lot area: 36,182 sf

Allowable flow with advanced treatment: 660 GPD x (36,182 sf/40,000 sf) = 597 GPD > 550 GPD OK



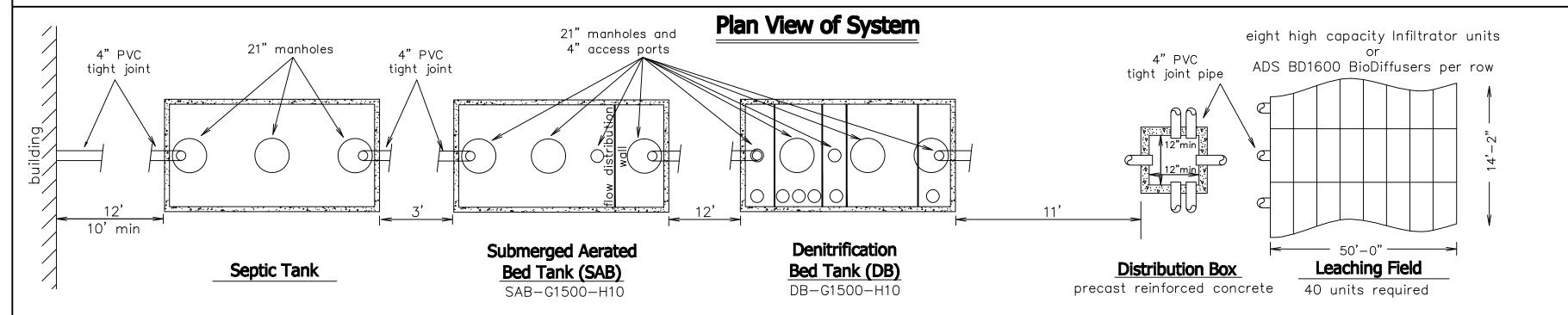
Profile of System 21" manholes and 21" manholes and 21" manholes and 4" access ports 4" access ports 4" access ports two monitoring risers flow distributio 4"PVC tee | gas baffle 🕽 @ centerline on outlet 11' — 50'−0" ----> 10' min **Distribution Box** Leaching Field

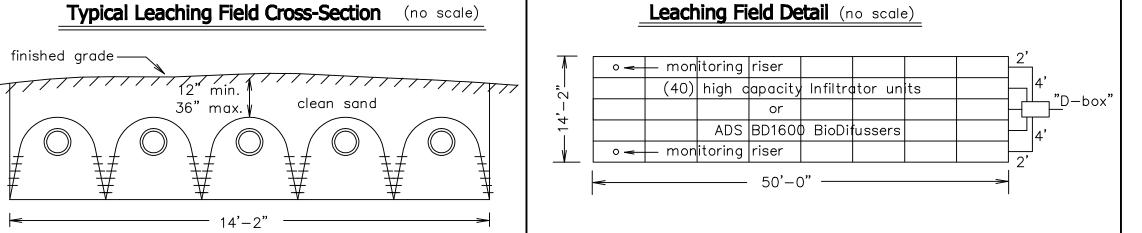
Denitrification

Bed Tank (DB)

DB-G1500-H10

finished grade





Submerged Aerated

Bed Tank (SAB)

SAB-G1500-H10

Septic Tank

Schedule of Elevations

finished grade

		above structur			above structure
Top of foundation: Basement floor:	30.50 (verify w/	/ arch's)	Invert at NitROE DB tank inlet:	26.10	
Inverts at foundation:	27.05	29.5	Invert at NitROE DB tank outlet:	25.85	29.5
Invert at septic tank inlet: Invert at septic tank outlet:	26.80 26.55	29.5	Invert at distribution box inlet: Invert at distribution box outlet:	<u>25.67</u> <u>25.50</u>	 29.0
Invert at NitROE SAB tank inlet: Invert at NitROE SAB tank:	26.50 26.25	29.5	Invert at infiltrator inlet: Elevation of field bottom:	25.42 24.50	_ _

Deep Test Pit 1 (Surface Elevation: 26.7)			Deep Te	Deep Test Pit 2 (Surface Elevation: 29.5)			Percolation Test Data				
Date of	Test: 1	March 6, 2019	Date of	Test: N	March 6, 2019	test		top of 12	2" of water	rate:	
Depth	Horiz.	Soil Description	Depth	Horiz.	Soil Description	pit #	date	depth from top of pit	elevation	(mpi)	
0"-11"	Α	Loamy SAND	0"-7"	Α	Loamy SAND	1	3/6/19	36"	23.7	<2	
11"-34"	В	Loamy SAND	7"-33"	В	Loamy SAND	2	3/6/19	36"	26.5	<2	
34"–132"	С	SAND	33"-120"	С	SAND						
Groundwate of 138" (e		not encountered at a depth : 15.2)	Groundwa of 120" (not encountered at a depth n: 19.5)						
									•	•	

Design Data

40 units required

- 1. Estimated. Hydraulic Loading: Five units at 110 gallons per day per bedroom = 550 GPD Garbage disposal is not allowed with this design.
- 2. Septic Tank Size: Required tank capacity: $550 \times 200\% = 1100$ (minimum)

precast reinforced concrete

Septic tank provided: 1500 gallon MicroFASST 0.9 tank 3. Design percolation rate: 2 MPI

Actual hydraulic loading: 550 GPD

- Soil textural class: I Loading rate: 0.74 GPD/SF
- 4. Leaching Area: Total leaching area provided: 708 SF
- 5. Maximum Allowable Loading: 708 SF x 1.67 (chamber general permits) x 0.74 GPD/SF = 874 GPD

Legend

	XX	Denotes proposed contour
_	F.G. = XX.X XX	Denotes proposed finished grade Denotes existing contour
	•	Denotes test hole location
	P.V.C.	Denotes polyvinyl chloride pipe, Sch. 40, unless noted
		Denotes catch basin
	E.H.C.I.	Denotes extra heavy cast iron
-	— W ——	Denotes water service
	— PL—	Denotes approximate property line
	— O.W. —	Denotes overhead wires
	D	Denotes storm drain pipe

Proposed Sewage Disposal System

Aidylberg III To Serve a Proposed Five—Unit Elderly Housing Facility 38 Wing Road - Assessor Parcel 17-105 Oak Bluffs, Massachusetts

Phone: (508) 693-2781 (SB&H) Applicant: Island Elderly Housing 60B Village Road Oak Bluffs, MA 02557

> Date: November 6, 2021 Rev: Jan 31, 2022 (drainage); Feb 8, 2022 (parking) designed by: CPA | drawn by: CPA | checked by: CDH Schofield, Barbini & Hoehn, Inc. 12 Surveyor's Lane, Box 339 Vineyard Haven, Mass. 02568 508-693-2781 www.sbhinc.net MV 799