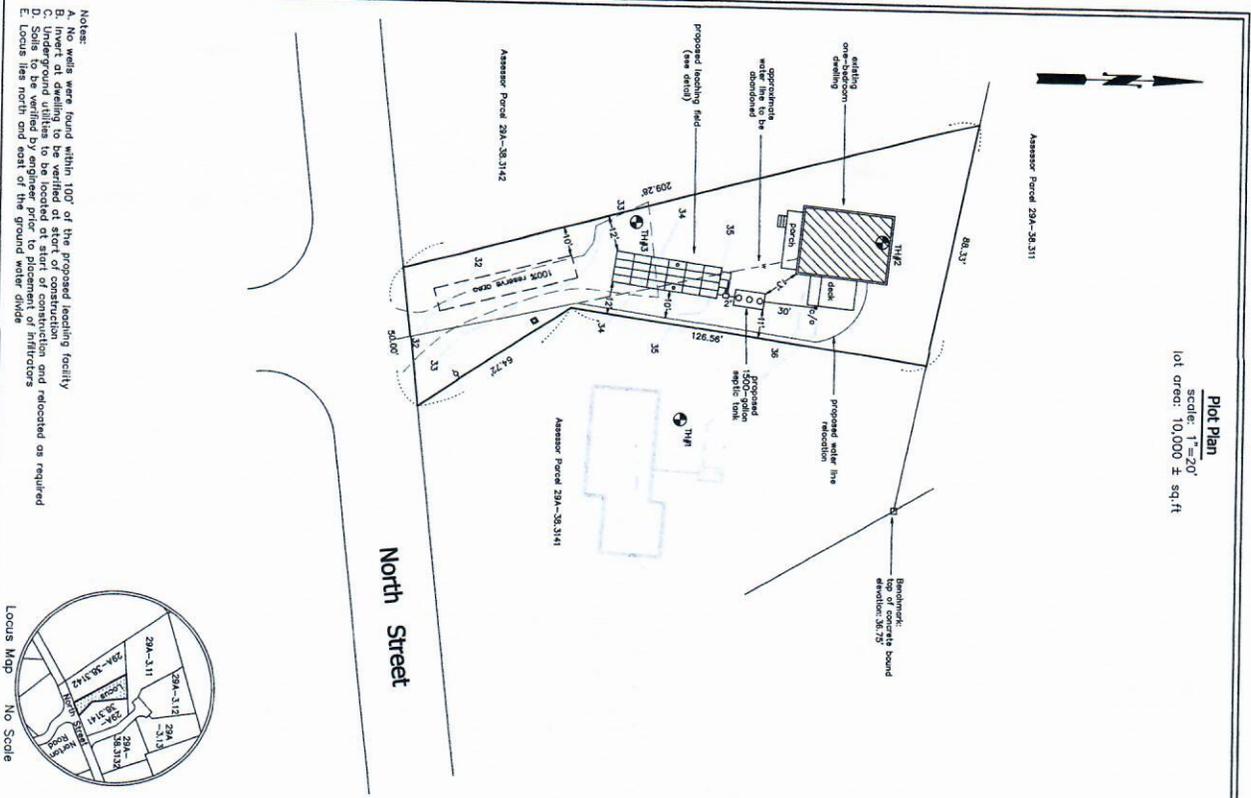
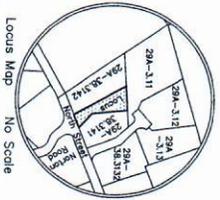


Plot Plan
 scale: 1"=20'
 lot area: 10,000 ± sq.ft



Notes:
 A. New wells were found within 100' of the proposed leaching facility.
 B. Underground utilities to be verified at start of construction and relocated as required.
 C. Soils to be verified by engineer prior to placement of infiltrators.
 D. Locust tree north end east of the ground water divide.



Deep Test Pit 1 (Surface Elevation: 36.6)

Depth	Horiz.	Soil Description
0'-3"	A	Silty SAND
3'-10"	B	Fill
10'-14"	C	Silty Fine SAND

Deep Test Pit 2 (Surface Elevation: 37.0)

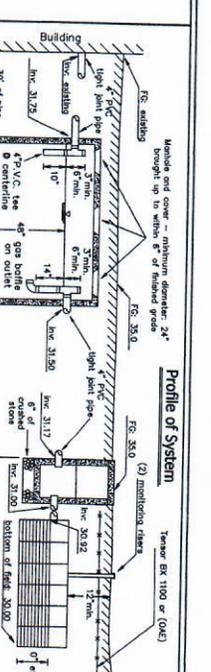
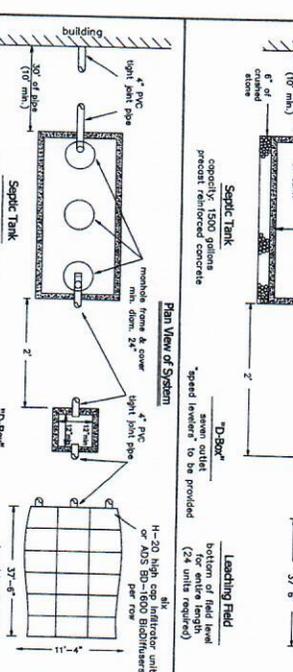
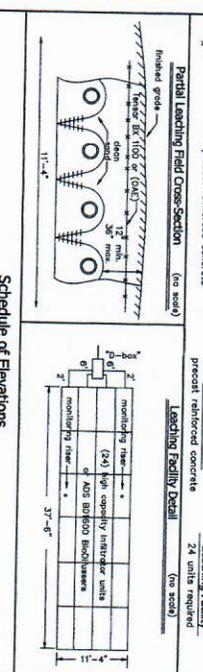
Depth	Horiz.	Soil Description
0'-4"	A	Top soil
6'-3"	B	Silty SAND
3'-10"	C1	Open Fine SAND
10'-14"	C2	Light Silty SAND

Percolation Test Data

Test #	Date	Top of 12" of water elevation (ft)	Time (min)
1	12/10/26	33.0	45
2	12/10/26	48"	39.5
3	1/23/20	48"	41.0

Schedule of Elevations

Item	Existing	Proposed
Top of foundation	existing	finished grade above structure
Basement floor	existing	existing
Invert of foundation	existing	existing
Invert of septic tank inlet	31.75	33.0
Invert of septic tank outlet	31.50	33.0
Invert of distribution box inlet	31.17	34.5
Invert of distribution box outlet	31.00	34.5
Invert of infiltrator inlet	30.92	34.5
Elevation of field bottom	30.00	34.5



General Notes

- Dimensions refer to approximate mean sea level datum.
- Foundation shall be on foot print located on top of concrete board (see 36.75).
- Foundation shall be performed in accordance with local code.
- All construction to conform to Title V and Board of Health requirements.
- All trench, socket and electrical materials, if any, must be encased and encased materials shall be encased in 1/2" thick form of solid material permeable soil. Encased to 1/2" thickness of solid material. Encased to 1/2" thickness of solid material.
- Septic tank and distribution box shall be constructed in this manner.
- No driveway, parking or turning area or other repetitive areas shall be located above the soil absorption system.
- Schiffel, Bunch & Heilm, Inc. will not be responsible for the performance of this system. The Board of Health and the Board of Health shall be responsible for the performance of this system.
- The Board of Health shall require inspection of construction by the design engineer and by the agent of the Board of Health.
- The design engineer and the system installer shall certify in writing that the system was installed in accordance with the design and specifications.
- For proper performance, the septic tank shall be pumped at least once a year or when the total depth of solid and scum exceed 1/2 the total depth of the tank, the tank should be pumped.
- Distribution box cover to be brought to finish grade.

Design Data

- Estimated Hydraulic Loading: 1.5 GPD/SF. Design flow based on 110 GPD.
- Septic Tank Size: 110 x 200 x 220 gallons (minimum).
- Required tank capacity: 110 x 200 x 220 gallons (minimum).
- Septic tank: 1500 gallons.
- Design percolation rate: 10 M.P.L.
- Soil texture: Class II.
- Soil permeability: 100 GPD/SF.
- Leaching Area: 424 SF.
- Total leaching area provided: 424 SF.
- Minimum Absorbable Loading: 424 SF x 1.67 (absorber general permit) = 0.80 GPD/SF = 424 GPD Actual Hydraulic Loading: 110 GPD.

Legend

- XX--- Denotes proposed contour
- XX--- Denotes existing contour
- XX--- Denotes existing contour
- XX--- Denotes test hole location
- XX--- Denotes catch basin
- XX--- Denotes extra heavy cast iron
- XX--- Denotes approximate property line
- XX--- Denotes approximate water
- XX--- Denotes storm drain pipe

Proposed Sewage Disposal System

To Serve an Existing One-Bedroom Dwelling
 45 North Street - Assessor Parcel 29-A-38.3143
 Edgartown, Massachusetts

Applied for by: **Jeff Morgan**
 170 PO Box 339
 Weymouth, MA 02568
 Phone: (508) 683-2781

date November 28, 2018
 designed by: **John Schaffel, Bunch & Heilm, Inc.**
 checked by: **JRL**

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 Phone: (508) 683-2781
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1-29-2020