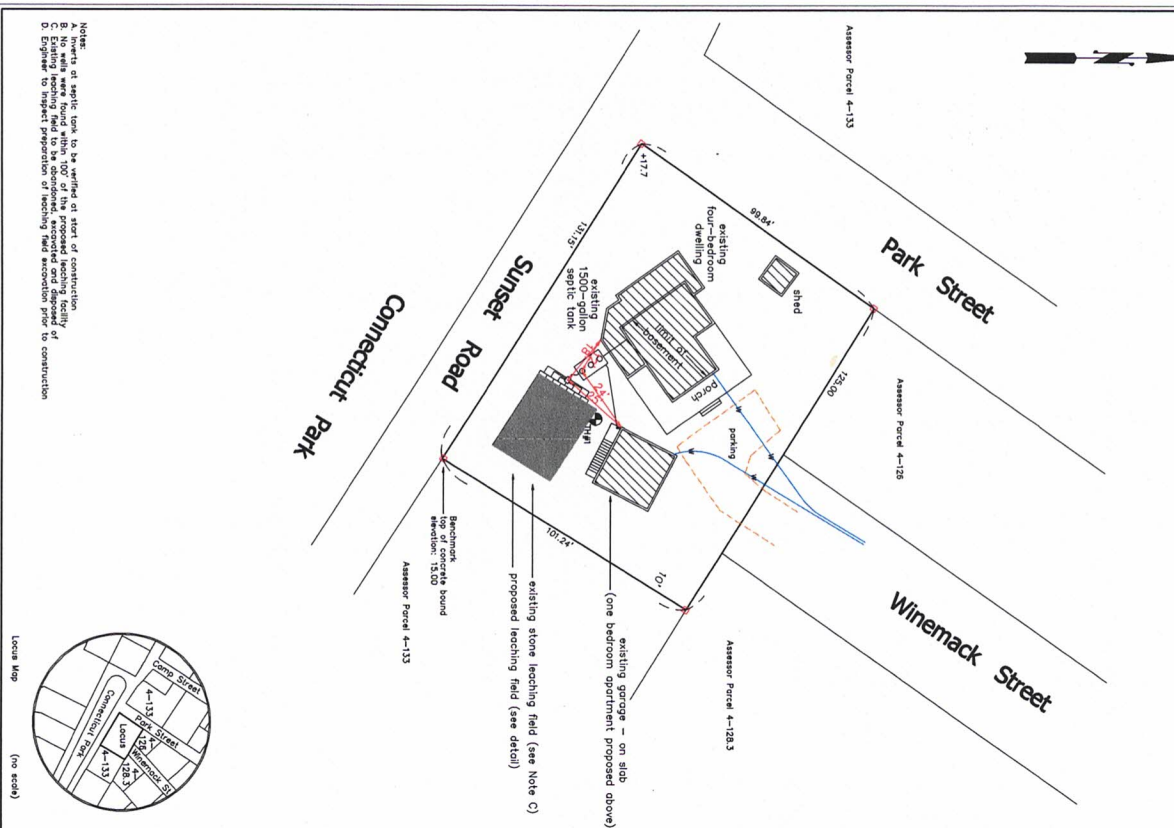
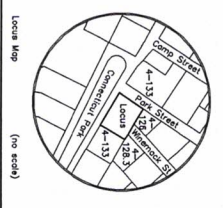


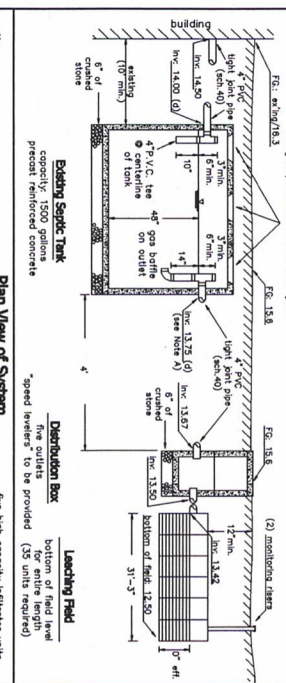
Plot Plan
 scale: 1" = 20'
 lot area: 12,877 ± sq ft



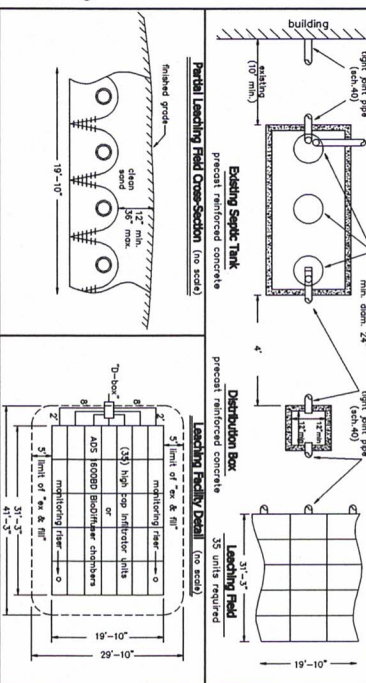
Notes:
 A. Inverts of septic tank to be verified at start of construction.
 B. Existing septic tank to be abandoned, excavated and disposed of.
 C. Existing leaching field to be abandoned, excavated and disposed of.
 D. Engineer to inspect preparation of leaching field excavation prior to construction.



Profile of System



Plan View of System



Schedule of Elevations

Top of foundation =	13.00 (B.M.)	finished grade above structure
Basement floor =	14.50 (G)/14.50	finished grade above structure
Inverts of foundation =	14.50 (G)/14.50	finished grade above structure
Invert of septic tank inlet =	13.00 (G)	finished grade above structure
Invert of septic tank outlet =	13.32 (G)	finished grade above structure
Invert of distribution box inlet =	13.87	finished grade above structure
Invert of distribution box outlet =	13.80	finished grade above structure
Invert of riser/diffuser inlet =	13.82	finished grade above structure
Invert of riser/diffuser outlet =	12.80	finished grade above structure

Deep Test Pit 1 (Surface Elevation: 15.45)

Date of Test:	Soil Description
0'-13"	A Sandy LOAM
13'-29"	B Sandy LOAM
29'-48"	C1 Loamy SAND with clay
48'-72"	C2 Loamy SAND with gravel
72'-138"	C3 Loamy SAND with clay

Percolation Test Data

Test #	Date	Top of 12" of water (ft)	Rate (in/hr)
1	8/10/98	48"	11.8
			<10

General Notes

- Elevations refer to approximate mean sea level datum. See below mark on plot plan located on concrete bound (elevation: 15.00)
- Finished grading to be done in accordance with plot plan.
- Percolation tests to be performed in accordance with the instructions of Title V of the Massachusetts State Environmental Code.
- All construction to conform to Title V and Board of Health requirements.
- All lot, sublot and dedication map(s) if any, shall be provided and removed before the leaching field and to a distance of 5 feet from all sides of the leaching field. The leaching field shall be constructed in accordance with the requirements of section 12.22(3) of Title V. Construct trenches in the field.
- Soil, topsoil and distribution box shall be watertight after construction.
- No driveway, parking or landing zone or other impervious area shall be located over the septic absorption system.
- No permanent structure may be constructed over the 100% absorption zone.
- Schmidt, Borghi & Heah, Inc. will not be responsible for the performance of the system unless constructed as shown. Any alterations must be approved in writing by Schmidt, Borghi & Heah, Inc.
- The Board of Health shall require inspection of all construction by the design professional.
- The design professional shall verify the system is installed and certified in writing to the Board of Health.
- The design professional shall verify the system is installed and certified in writing to the Board of Health.
- For proper performance, the septic tank should be inspected and cleaned 1-2 times per year and when the total depth of sludge and solids exceeds 1/2" from the bottom, the tank should be pumped.
- Distribution box cover to be brought to finish grade.

Design Data

- Estimated hydraulic loading: Four x one bedrooms at 110 gallons per day per bedroom = 550 gpd average demand is not allowed with this design.
- Septic Tank Size: Septic tank capacity: 550 x 200% = 1100 gallons (minimum)
- Design percolation rate: 10 M.P.H. Soil texture data: II Loading rate: 0.80 GPD/S.F.
- Leaching Area: one provided: 619 S.F.
- Actual hydraulic loading: 619 S.F. (design provided permit) x 0.80 GPD/S.F. = 619 gpd Actual hydraulic loading: 550 gpd

Legend

- XX--- Denotes proposed contour
- XX Denotes proposed finished grade
- XX Denotes that hole location
- Denotes polyvinyl chloride pipe, 40, unless noted
- Denotes catch basin
- Denotes extra heavy cast iron
- Denotes water service
- B--- Denotes combined sewer
- D--- Denotes storm down pipe

Proposed Sewage Disposal System

To Serve an Existing Four-Bedroom Dwelling and a Proposed One-Bedroom Accessory Apartment
 1 Winemack, OAK Bluffs, Massachusetts

Applicant: Robert Lister
 120 West Main Street
 North Duxbury, MA 01936
 Ph: (508) 888-6601

date: April 23, 2017
 designed by: GVA
 checked by: RBH

Schmidt, Borghi & Heah, Inc.
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MA 11549