



- ### 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.
 - Any clean sand fill required by this design is to have less than 4% passing the No. 100 sieve.
 - Leaching Chambers shall consist of Infiltrator high capacity, ADS high capacity biodiffuser or an approved equivalent.
 - No wells could be found within 150' of the proposed leaching facility, and no leaching facilities could be found within 150' of the proposed well.
 - The engineer is to inspect and approve the leaching excavation prior to the placement of any gravel, sand or components.

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 4.72 sq.ft./linear ft. = 472 sq.ft.
472 sq.ft. x 0.74 GPD/sq.ft. = 349 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.

Soil DATA

Soil evaluator: Reid G. Silva, P.E.
Witnessed By: John Powers

Deep Observation Hole 1.
Date: January 15, 2016
Surface elevation = 72.5

Depth	Horizon	Texture
0"-6"	A	Sandy loam
6"-46"	B	Loamy sand
46"-120"	C1	Loamy sand

Perc. rate < 5 mpi. @ 46"
No groundwater found at Elev. = 62.5

Proposed Septic System on Land in WEST TISBURY, MASS.

Designed for: MICHAEL SMITH

Street Address: #52 LONGVIEW ROAD

Assessor No.: 7-69

Lot Area: ±1.0 Acres

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

Checked By: _____

Date: February 12, 2016

Revised: 5/24/16 - leaching field location

