

LEACHING TRENCHES

2. BOTTOM OF LEACHING FACILITY MUST BE LEVEL.

3. PIPING MUST BE SCH 40 P.V.C. WITH TIGHT JOINTS.

4. THE ORIFICES OF THE PIPE MUST BE 3/8" - 5/8".

1. SIDES AND BOTTOM OF LEACHING FACILITY TO BE SCARIFIED.

5. VENT REQUIRED IF LEACH LINES ARE GREATER THAN 50'.

LEACH FIELD NOTES

STONE SUB-BASE

<u>6</u> OUTLET

DISTRIBUTION BOX NOTES

1. COVER MUST BE WATER TIGHT.

TO PREVENT SETTLING.

<u>DISTRIBUTION BOX</u>

2. ALL OUTLET PIPES SHALL BE LEVEL FOR THE

PIPES TO BE AT THE SAME ELEVATION.

3. SOIL MUST BE COMPACTED UNDER "D" BOX

FIRST 2' OUT OF THE D-BOX. ALL OUTLET

-GAS BAFFLES-

-BAFFLE WALL

SHEA 1500 GAL.

OR EQUAL

6" MIN CRUSHED STONE SUB-BASE

<u>H-20 SEPTIC TANK</u>

PRECAST REINFORCED CONCRETE

CAPACITY OF TANK = 1500 GAL.

FOUNDATION

1. SEWER LINE MUST BE LAID ON A FIRM COMPACTED BASE.

2. PIPE MUST BE SLOPED AT A MIN. OF 1% (2% PREFERRED)

3. PIPE MUST BE LAID ON A CONTINUOUS UNIFORM GRADIENT.

BUILDING SEWER NOTES

Environmental Protection and that the above analysis has been performed by me consistent with the required training, expertise, and experience described in 310 CMR Certified: **LOCATION APPLICANT** 137 MOSSMAN ROAD DORIS SMITH SUDBURY, MA ASSESSORS MAP 08 & PARCEL 19 NO. DATE: REVISION:

8-344 PROPOSED SEWAGE DISPOSAL SYSTEM SULLIVAN, CONNORS VITO COLONNA No. 47635

commencing any construction activities on site.

the design criteria.

state building code.

of the proposed system.

and is based on the subsurface explorations and percolation tests listed below. 4. System was designed only to accomodate sanitary sewage associated with normal

5. The system must be vented through the buildings plumbing in accordance with the

Plans show only features that were visually apparent on the date of the topographic

survey, and the absence of subsurface structures, utilities, etc. is not guaranteed.

deficiencies, unforseen subsurface conditions, or required changes.

There are no wells located within 100 feet of the proposed leaching area or within

Contractor to determine if site conditions are suitable for construction of proposed

system, and must promptly notify the Design Engineer and Owner, in writing, of any plan

6. Owner shall verify effective zoning regulations prior to construction.

inspected the system and permission to backfill has been given.

regulations and that it complies with the proposed plan.

sleeving shall be used in areas subject to vehicular traffic.

have access ports at both the inlet and outlet tees.)

61"

39*

SOIL

HORIZON

CMR 15.223 through 310 CMR 15.228.

respectively by the use of riser sections.

accordance with 310 CMR 15.255(3).

LEVATION

193.5

191.0

14-20"

20-36"

15-19"

19--34"

0-8"

8-37"

37-65"

10-31"

31-62"

INSPECTION PORT

NOT TO SCALE

TRENCH CROSS SECTION

of stone.

must certify that the system was installed in accordance with state and local

4" of cover in landscaped areas. A minimum of 12" of cover and/or appropriate

shall be either watertight through manufacturer's specification and warranty; or made

watertight by the manufacturer or other individual by means and persons as approved in

310 CMR 15.221. Septic tank shall be constructed and placed in accordance with 310

manholes located no more than 6" below finish grade. (Systems over 1,000 gpd shall

exceeds 0.08 feet per foot, an inlet tee, baffle or splash plate extending to one inch

above the outlet invert elevation shall be provided to dissipate velocity of the influent. 7. When the SAS is installed within the top and subsoil layers or above natural grade, all

surrounding the SAS. Removed material shall be replaced with clean granular material in

PERCOLATION TESTS

DEEP OBSERVATION HOLE LOG

SATURATION 12"-9" DROP 9"-6" DROP PERC. RAT

MOTTLING

27 MIN

16 MIN

MUNSELL)

10YR3/2

10YR6/8

2.5YR5/4

2.5YR5/4

10YR3/2

10YR6/4

2.5YR5/4

2.5YR5/4

(Min.)

38 MIN

25 MIN

DATE: 8/24/17

SHEET 1 OF

13 MIN/IN

9 MIN/IN

8. All disturbed areas shall be loamed, seeded, and maintained so as to prevent erosion.

15 MIN

15 MIN

TEXTURE

(USDA)

SANDY LOAM

LOAMY SAND

LOAMY SAND

SANDY LOAM

LOAMY SAND LOAMY SAND

SANDY LOAM

LOAMY SAND

LOAMY SAND

LOAMY SAND

SANDY LOAM

LOAMY SAND

LOAMY SAND

LOAMY SAND

5. Septic tank covers and d-box are to be brought within 6" and 9" of finish grade

topsoil and subsoil shall be removed below and laterally a minimum of 5 feet

Surface features and topography outside of work area are approximate.

<u>100'</u>feet of the proposed septic tank (except as shown).

domestic usage, consisting of water carried putrescible waste, and for flows indicated in

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9/8/17

5-29-18 | VERNAL POOL, NEW HOUSE |