

SEE INSTRUCTIONS ON BACK

Stormwater \$50.00 Fee
Septic \$200.00 Fee

* Fee to be paid by check payable to the **Town of Millis**. Please return application and check to Board of Health, Town of Millis, 900 Main Street, Millis, MA 02054

MILLIS BOARD OF HEALTH

SOIL EVALUATION APPLICATION

Soil testing must be conducted by a Registered Professional Engineer, a Registered Sanitarian, or other person, who, in the opinion of the Millis Board of Health, is qualified to perform such tests. Soil Evaluations must be conducted by a Massachusetts Certified Soil Evaluator.

To Be Filled by Applicant:

Property (Street and number) _____

Assessors' Map & Parcel (this is noted on your tax bill) _____ (required)

Owner _____ Telephone () _____

Address _____ City _____ State _____ Zip _____

Applicant's Signature _____ required

To Be Filled Out by Engineering Company:

Engineer: _____ P.E.; R.S.; Other _____

Company _____ Telephone _____ Cell _____

Address _____ City _____ State _____ Zip _____

Soil Evaluator's Name: _____ Cell _____

Site Details:

Nitrogen-Sensitive Area Yes No Wetlands Area within 200 Feet Yes No

Trench Permit _____

*****SEE INSTRUCTIONS ON BACK*****

For Town use Only:

Scheduled Date: _____ Check #. _____ Amt. _____ Other: _____

MILLIS BOARD OF HEALTH

SOIL EVALUATION APPLICATION INSTRUCTIONS

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1. Fill out form completely
2. Attach check, payable to Town of Millis
3. Submit testing site plan or sketch in accordance to Subsurface Sewage Disposal System Regulation 3.D (see below) depicting the area of proposed testing and nearby environmental resources.

Subsurface Sewage Disposal System Regulation 3.D

3.D The applicant must submit a proposed testing site plan showing shaded areas of possible soil test locations, any and all wetlands within 100 feet, watercourses within 200 feet and all wells within 125 feet of any part of the potential septic system site with the soil test application. Any and all wetlands locations shall be approved by the Millis Conservation Commission, (by the method they deem appropriate), prior to Board of Health testing. Those lots that do not exhibit any wetlands with two hundred feet of proposed soil testing, must include a certifying statement on the proposed percolation site plan that states, "There are no wetlands located within 200 feet of the testing site as shown", and shall be stamped, signed, and dated with the original stamp and signature of the engineer or sanitarian of record. Within thirty (30) days after soil test having been attempted or completed, the DEP Soils Evaluation Forms and a plot plan (in scale) shall be submitted to the Board of Health showing exact locations of these soil tests. The plan shall include failing as well as passing deep hole and percolation test sites.

All expenses shall be borne by the applicant.



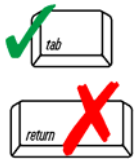
Commonwealth of Massachusetts
 City/Town of Millis
**Application for Disposal System
 Construction Permit**
 Form 1A

Number _____
 \$150
 Fee

DEP has provided this form for use by local Boards of Health if they choose to do so. Before using the form, check with your local Board of Health to make sure that they will accept it.

A. Facility Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Application is hereby made for a permit to: Construct a new on-site sewage disposal system
 Repair or replace an existing on-site sewage disposal system
 Repair or replace an existing system component

1. Location of Facility:

Address or Lot # _____

City/Town _____ State _____ Zip Code _____

2. Owner Information

Name _____

Address (if different from above) _____

City/Town _____ State _____ Zip Code _____

Telephone Number _____

3. Installer Information

Name _____ Name of Company _____

Address _____

City/Town _____ State _____ Zip Code _____

Telephone Number _____

4. Designer Information

Name _____ Name of Company _____

Address _____

City/Town _____ State _____ Zip Code _____

Telephone Number _____



Commonwealth of Massachusetts
 City/Town of Millis
**Application for Disposal System
 Construction Permit**
 Form 1A

 Number
 \$150

 Fee

A. Facility Information (continued)

5. Type of Building:

- Dwelling Garbage Grinder (check if present)

Other: Type of Building _____ Number of Persons Served _____

- Showers Number of showers _____ Cafeteria Other fixtures _____

Specify other fixtures: _____

6. Design Flow: _____ Gallons per Day

Calculated Daily Flow: _____ Gallons

7. Plan: _____ Date of Original _____

Number of Sheets _____ Revision Date _____

Title of Plan _____

8. Description of Soil:

9. Nature of Repairs or Alterations (if applicable):

10. Date last inspected: _____ Date



Commonwealth of Massachusetts
 City/Town of Millis
**Application for Disposal System
 Construction Permit**
 Form 1A

Number	_____
\$150	_____
Fee	_____

B. Agreement

The undersigned agrees to ensure the construction and maintenance of the aforescribed on-site sewage disposal system in accordance with the provisions of Title 5 of the Environmental Code and not to place the system in operation until a Certificate of Compliance has been issued by this Board of Health.

Signature	_____	Date	_____
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Application Approved By:

Millis BOH

Name	_____	Date	_____
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Application **Disapproved** for the following reasons:



Commonwealth of Massachusetts
 City/Town of Millis
Disposal System Construction Permit
Form 2A

Number _____

DEP has provided this form for use by local Boards of Health. Other forms may be used, but the information must be substantially the same as that provided here. Before using this form, check with the local Board of Health to determine the form they use.

Permission is hereby granted to:

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Name _____ Name of Company _____

Address _____

City/Town _____ State _____ Zip Code _____

to perform the following work on an on-site sewage disposal system:

- Construction
- Repair or replacement
- Repair or replacement of system components

Facility Address _____

City/Town _____ State _____ Zip Code _____

Owner _____ Telephone Number _____

The work to be performed is further described in the Application for Disposal System Construction Permit. The applicant recognizes his/her duty to comply with Title 5 and the following local provisions or special conditions:

All construction must be completed within three years of the date below.

Millis BOH _____ Date _____
 Approved by

 Title



Commonwealth of Massachusetts
 City/Town of Millis
Certificate of Compliance
 Form 3

DEP has provided this form for use by local Boards of Health. Other forms may be used, but the information must be substantially the same as that provided here. Before using this form, check with the local Board of Health to determine the form they use.

This is to Certify that the following work on an On-Site Sewage Disposal System

- Construction of a new system
- Repair or replacement of an existing system
- Repair or replacement of an existing system component

Has been done in accordance with Title 5 and the Disposal System Construction Permit (DSCP):

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



DSCP Number _____ DSCP Date _____

Facility Owner _____

Street Address or Lot # _____

City/Town _____ State _____ Zip Code _____

Designer Information:

Name _____ Name of Company _____

Signature _____ Date _____

Installer Information:

Name _____ Name of Company _____

Signature _____ Date _____

Use of this system is conditioned on compliance with the provisions set forth below:

The issuance of this certificate shall not be construed as a guarantee that the system will function as designed.

Millis BOH
 Approving Authority _____

Signature _____ Date _____



Permit Number _____
Date Issued _____
Expiration Date _____

Town of Millis

**900 Main St.
 Millis MA 02054**

TRENCH PERMIT
Pursuant to G.L. c. 82A §1 and 520 CMR 7.00 et seq. (as amended)

THIS PERMIT MUST BE FULLY COMPLETED PRIOR TO CONSIDERATION

Name of Applicant			Phone	Cell
Street Address				
City/Town	MA	ZIP		
Name of Excavator (if different from applicant)			Phone	Cell
Street Address				
City/Town	MA	ZIP		
Name of Owner(s) of Property			Phone	Cell
Street Address				
City/Town	MA	ZIP		
Other Contact			Permit Fee Received No () Yes ()	
Description, location and purpose of proposed trench: Please describe the exact location of the proposed trench and its purpose (include a description of what is (or is intended) to be laid in proposed trench (eg; pipes/cable lines etc..). Please use reverse side if additional space is needed.				
Insurance Certificate #:				

Name and Contact Information of Insurer:	
Policy Expiration Date:	
Dig Safe #:	
Name of Competent Person (as defined by 520 CMR 7.02):	
Massachusetts Hoisting License #:	
License Grade:	Expiration Date:

BY SIGNING THIS FORM, THE APPLICANT, OWNER, AND EXCAVATOR ALL ACKNOWLEDGE AND CERTIFY THAT THEY ARE FAMILIAR WITH, OR, BEFORE COMMENCEMENT OF THE WORK, WILL BECOME FAMILIAR WITH, ALL LAWS AND REGULATIONS APPLICABLE TO WORK PROPOSED, INCLUDING OSHA REGULATIONS, G.L. c. 82A, 520 CMR 7.00 et seq., AND ANY APPLICABLE MUNICIPAL ORDINANCES, BY-LAWS AND REGULATIONS AND THEY COVENANT AND AGREE THAT ALL WORK DONE UNDER THE PERMIT ISSUED FOR SUCH WORK WILL COMPLY THEREWITH IN ALL RESPECTS AND WITH THE CONDITIONS SET FORTH BELOW.

THE UNDERSIGNED OWNER AUTHORIZES THE APPLICANT TO APPLY FOR THE PERMIT AND THE EXCAVATOR TO UNDERTAKE SUCH WORK ON THE PROPERTY OF THE OWNER, AND ALSO, FOR THE DURATION OF CONSTRUCTION, AUTHORIZES PERSONS DULY APPOINTED BY THE MUNICIPALITY TO ENTER UPON THE PROPERTY TO MONITOR AND INSPECT THE WORK FOR CONFORMITY WITH THE CONDITIONS ATTACHED HERETO AND THE LAWS AND REGULATIONS GOVERING SUCH WORK.

THE UNDERSIGNED APPLICANT, OWNER AND EXCAVATOR AGREE JOINTLY AND SEVERALLY TO REIMBURSE THE MUNICIPALITY FOR ANY AND ALL COSTS AND EXPENSES INCURRED BY THE MUNICIPALITY IN CONNECTION WITH THIS PERMIT AND THE WORK CONDUCTED THEREUNDER, INCLUDING BUT NOT LIMITED TO ENFORCING THE REQUIREMENTS OF STATE LAW AND CONDITIONS OF THIS PERMIT, INSPECTIONS MADE TO ASSURE COMPLIANCE THEREWITH, AND MEASURES TAKEN BY THE MUNICIPALITY TO PROTECT THE PUBLIC WHERE THE APPLICANT OWNER OR EXCAVATOR HAS FAILED TO COMPLY THEREWITH INCLUDING POLICE DETAILS AND OTHER REMEDIAL MEASURES DEEMED NECESSARY BY THE MUNICIPALITY.

THE UNDERSIGNED APPLICANT, OWNER AND EXCAVATOR AGREE JOINTLY AND SEVERALLY TO DEFEND, INDEMNIFY, AND HOLD HARMLESS THE MUNICIPALITY AND ALL OF ITS AGENTS AND EMPLOYEES FROM ANY AND ALL LIABILITY, CAUSES OR ACTION, COSTS, AND EXPENSES RESULTING FROM OR ARISING OUT OF ANY INJURY, DEATH, LOSS, OR DAMAGE TO ANY PERSON OR PROPERTY DURING THE WORK CONDUCTED UNDER THIS PERMIT.

APPLICANT SIGNATURE:

_____ **DATE** _____

EXCAVATOR SIGNATURE (IF DIFFERENT):

_____ **DATE** _____

OWNER'S SIGNATURE (IF DIFFERENT)

_____ **DATE:** _____

For City/Town use -- Do not write in this section	
PERMIT APPROVED BY	\$ _____ Application Fee
PERMITTING AUTHORITY Date	
CONDITIONS OF APPROVAL	

CONDITIONS AND REQUIREMENTS PURSUANT TO G.L.C.82A AND 520 CMR 7.00 et seq. (as amended)

By signing the application, the applicant understands and agrees to comply with the following:

- i. No trench may be excavated unless the requirements of sections 40 through 40D of chapter 82, and any accompanying regulations, have been met and this permit is invalid unless and until said requirements have been complied with by the excavator applying for the permit including, but not limited to, the establishment of a valid excavation number with the underground plant damage prevention system as said system is defined in section 76D of chapter 164 (DIG SAFE);
- ii. Trenches may pose a significant health and safety hazard. Pursuant to Section 1 of Chapter 82 of the General Laws, an excavator shall not leave any open trench unattended without first making every reasonable effort to eliminate any recognized safety hazard that may exist as a result of leaving said open trench unattended. Excavators should consult regulations promulgated by the Department of Public Safety in order to familiarize themselves with the recognized safety hazards associated with excavations and open trenches and the procedures required or recommended by said department in order to make every reasonable effort to eliminate said safety hazards which may include covering, barricading or otherwise protecting open trenches from accidental entry.
- iii. Persons engaging in any in any trenching operation shall familiarize themselves with the federal safety standards promulgated by the Occupational Safety and Health Administration on excavations: 29 CFR 1926.650 et.seq., entitled Subpart P “Excavations”.
- iv. Excavators engaging in any trenching operation who utilize hoisting or other mechanical equipment subject to chapter 146 shall only employ individuals licensed to operate said equipment by the Department of Public Safety pursuant to said chapter and this permit must be presented to said licensed operator before any excavation is commenced;
- v. By applying for, accepting and signing this permit, the applicant hereby attests to the following: (1) that they have read and understands the regulations promulgated by the Department of Public Safety with regard to construction related excavations and trench safety; (2) that he has read and understands the federal safety standards promulgated by the Occupational Safety and Health Administration on excavations: 29 CMR 1926.650 et.seq., entitled Subpart P “Excavations” as well as any other excavation requirements established by this municipality; and (3) that he is aware of and has, with regard to the proposed trench excavation on private property or proposed excavation of a city or town public way that forms the basis of the permit application, complied with the requirements of sections 40-40D of chapter 82A.
- vi. This permit shall be posted in plain view on the site of the trench.

For additional information please visit the Department of Public Safety’s website at www.mass.gov/dps

Summary of Excavation and Trench Safety Regulation (520 CMR 14.00 et seq.)

This summary was prepared by the Massachusetts Department of Public Safety pursuant to G.L.c.82A and does not include all requirements of the 520 CMR 14.00. To view the full regulation and G.L.c.82A, go to www.mass.gov/dps. Pursuant to M.G.L. c. 82, § 1, the Department of Public Safety, jointly with the Division of Occupational Safety, drafted regulations relative to trench safety. The regulation is codified in section 14.00 of title 520 of the Code of Massachusetts Regulations. The regulation requires all excavators to obtain a permit prior to the excavation of a trench made for a construction-related purpose on public or private land or rights-of-way. All municipalities must establish a local permitting authority for the purpose of issuing permits for trenches within their municipality. Trenches on land owned or controlled by a public (state) agency requires a permit to be issued by that public agency unless otherwise designated.

In addition to the permitting requirements mandated by statute, the trench safety regulations require that all excavators, whether public or private, take specific precautions to protect the general public and prevent unauthorized access to unattended trenches. Accordingly, unattended trenches must be covered, barricaded or backfilled. Covers must be road plates at least ¾" thick or equivalent; barricades must be fences at least 6' high with no openings greater than 4" between vertical supports; backfilling must be sufficient to eliminate the trench. Alternatively, excavators may choose to attend trenches at all times, for instance by hiring a police detail, security guard or other attendant who will be present during times when the trench will be unattended by the excavator.

The regulations further provide that local permitting authorities, the Department of Public Safety, or the Division of Occupational Safety may order an immediate shutdown of a trench in the event of a death or serious injury; the failure to obtain a permit; or the failure to implement or effectively use adequate protections for the general public. The trench shall remain shutdown until re-inspected and authorized to re-open provided, however, that excavators shall have the right to appeal an immediate shutdown. Permitting authorities are further authorized to suspend or revoke a permit following a hearing. Excavators may also be subject to administrative fines issued by the Department of Public Safety for identified violations.

Summary of 1926 CFR Subpart P -OSHA Excavation Standard

This is a worker protection standard, and is designed to protect employees who are working inside a trench. This summary was prepared by the Massachusetts Division of Occupational Safety and not OSHA for informational purposes only and does not constitute an official interpretation by OSHA of their regulations, and may not include all aspects of the standard.

For further information or a full copy of the standard go to www.osha.gov.

- **Trench Definition per the OSHA standard:**
 - An excavation made below the surface of the ground, narrow in relation to its length.
 - In general, the depth is greater than the width, but the width of the trench is not greater than fifteen feet.
- **Protective Systems** to prevent soil wall collapse are always required in trenches deeper than 5', and are also required in trenches less than 5' deep when the competent person determines that a hazard exists. Protection options include:
 - Shoring. Shoring must be used in accordance with the OSHA Excavation standard appendices, the equipment manufacturer's tabulated data, or designed by a registered professional engineer.
 - Shielding (Trench Boxes). Trench boxes must be used in accordance with the equipment manufacturer's tabulated data, or a registered professional engineer.
 - Sloping or Benching. In Type C soils (what is most typically encountered) the excavation must extend horizontally 1 ½ feet for every foot of trench depth on both sides, 1 foot for Type B soils, and ¾ foot for Type A soils.
 - A registered professional engineer must design protective systems for all excavations greater than 20' in depth.
- **Ladders** must be used in trenches deeper than 4'.
 - Ladders must be inside the trench with workers at all times, and located within 25' of unobstructed lateral travel for every worker in the trench.
 - Ladders must extend 3' above the top of the trench so workers can safely get onto and off of the ladder.
- **Inspections** of every trench worksite are required:
 - Prior to the start of each shift, and again when there is a change in conditions such as a rainstorm.
 - Inspections must be conducted by the competent person (see below).
- **Competent Person(s) is:**
 - Capable (i.e., trained and knowledgeable) in identifying existing and predictable hazards in the trench, and other working conditions which may pose a hazard to workers, and
 - Authorized by management to take necessary corrective action to eliminate the hazards. Employees must be removed from hazardous areas until the hazard has been corrected.
- **Underground Utilities** must be:
 - Identified prior to opening the excavation (e.g., contact Digsafe).
 - Located by safe and acceptable means while excavating.
 - Protected, supported, or removed once exposed.
- **Spoils** must be kept back a minimum of 2' from the edge of the trench.
- **Surface Encumbrances** creating a hazard must be removed or supported to safeguard employees. Keep heavy equipment and heavy material as far back from the edge of the trench as possible.
- **Stability of Adjacent Structures:**
 - Where the stability of adjacent structures is endangered by creation of the trench, they must be underpinned, braced, or otherwise supported.
 - Sidewalks, pavements, etc. shall not be undermined unless a support system or other method of protection is provided.
- **Protection from water accumulation hazards:**
 - It is not allowable for employees to work in trenches with accumulated water. If water control such as pumping is used to prevent water accumulation, this must be monitored by the competent person.
 - If the trench interrupts natural drainage of surface water, ditches, dikes or other means must be used to prevent this water from entering the excavation.
- **Additional Requirements:**
 - For mobile equipment operated near the edge of the trench, a warning system such as barricades or stop logs must be used.
 - Employees are not permitted to work underneath loads. Operators may not remain in vehicles being loaded unless vehicles are equipped with adequate protection as per 1926.601(b)(6).
 - Employees must wear high-visibility clothing in traffic work zones.
 - Air monitoring must be conducted in trenches deeper than 4' if the potential for a hazardous atmosphere exists. If a hazardous atmosphere is found to exist (e.g., O₂ <19.5% or >23.5%, 20% LEL, specific chemical hazard), adequate protections shall be taken such as ventilation of the space.
 - Walkways are required where employees must cross over the trench. Walkways with guardrails must be provided for crossing over trenches > 6' deep.
 - Employees must be protected from loose rock or soil through protections such as scaling or protective barricades.