



APPLICATION FOR APPROVAL TO CONSTRUCT A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Fees
New \$175
Repair \$100

Application/Permit #: _____

To the Director of Health, Town of: _____ Date: _____

Application is hereby made for an approval to construct a subsurface sewage disposal system for a:

(Residential Building, Restaurant, Retail Building, etc.)

located at: _____
(Street Address, Lot Number, Subdivision Name, Map, Block, Lot, etc.)

New System: _____ Addition: _____ Repair: _____ Other: _____

Owner: _____ Address: _____ Tel.# _____

Installer: _____ Address: _____ Tel.# _____

Installer License No. _____ Select fill (Y/N): _____ Sieve Source/Date: _____

In accordance with detailed information stated below:

Application fee paid: _____ Signed: _____
(Owner and/or Licensed Installer)

GENERAL INFORMATION

Soil Tests Conducted (Date): _____ Lot size: _____ sq.ft.

Area of Special Concern (Y/N) _____ If yes, Reason(s): _____

Basis of Design (# of Bedrooms, Restaurant Seats, Building Size, etc): _____

Engineered Plan Required (Y/N): _____ If yes, Name of Engineer: _____

Address of Engineer: _____ Tel. # _____

Design Plan Approved (Y/N): _____ Date of Approved Plan: _____ Revision Date: _____

Type of Water Supply: _____ If well, has location been approved (Y/N): _____

Well Driller's Name: _____ Address: _____ Tel. # _____

OFFICE USE ONLY

Approval to Construct is hereby issued by: _____ Date: _____
(Print Name)

Signature: _____ Title: _____

Note: Approvals to Construct can only be issued by the Local Director of Health or Registered Sanitarian

1/1/07

Form #1 Technical Standards for Subsurface Sewage Disposal Systems

Rev. 1/12

Connecticut Public Health Code Technical Standards for Approved Septic Fill, Stone Aggregate and Two Inch Nominal Tire Chip Aggregate Revised 1/1/07

Select fill is material placed within and adjacent to leaching system areas and comprised of clean bank run sand, clean bank run sand and gravel, or approved manufactured fill that is free from organic matter or foreign substances and having a gradation which conforms to the specifications stipulated in Section VIII A of the technical standards (see below). Select fill shall meet the following requirements unless otherwise approved by the design engineer, **however a design engineer cannot approve fill exceeding 6% passing the #200 wet sieve**:

1. The select fill shall not contain any material larger than the three (3) inch sieve.
2. Up to 45% of the dry weight of the representative sample may be retained on the #4 sieve (This is the gravel portion of the sample).
3. The material that passes the #4 sieve is then reweighed and the sieve analysis started.
4. The remaining sample shall meet the following gradation criteria:

SIEVE SIZE	PERCENT PASSING	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70 - 100	70 - 100
#40	10 - 50 *	10 - 75
#100	0 - 20	0 - 5
#200	0 - 5	0 - 2.5

* Percent passing the #40 sieve can be increased to no greater than 75% if the percent passing the #100 sieve does not exceed 10% and the #200 sieve does not exceed 5%. If the fill fails the dry sieve but passes the wet sieve, then the fill shall be approved.

The licensed installer is responsible for preparing the leaching area with necessary select fill. The topsoil in the leaching system area must be removed and the subsoil scarified prior to select fill placement unless otherwise directed by the design engineer. The installer shall take the necessary steps to protect the underlying naturally occurring soil from over compaction or damage. Select fill shall extend a minimum of five (5) feet laterally in all directions beyond the outer perimeter of the leaching system.

The Commissioner of Public Health must approve manufactured fill. Rock used to produce manufactured fill must have a loss of abrasion of not more than 50 % using AASHTO Method T-96. Suppliers of manufactured fill must make application for approval to the Commissioner of Public Health. Documentation must be submitted on the quarry operation, and production process. Fill specifications (gradation, permeability, etc) and a narrative of the quality control/quality assurance program must also be included. The manufactured fill producers must provide annual product registrations to the Commissioner of Public Health.

Stone aggregate means broken or crushed stone, or screened gravel meeting Department of Transportation Form 816 Specification M.01.01 for No. 4 stone (as shown below or latest specification). Stone aggregate (previously “one-inch broken stone”) shall be free of silt, dirt or debris and shall show a loss of abrasion of not more than 50% using AASHTO Method T-96, and when tested for soundness using AASHTO Method T-104 not have a loss of more than 15% at the end of 5 cycles.

SIEVE SIZE	PERCENT PASSING (by weight)
2-inch	100
1.5-inch	90 – 100
1-inch	20 – 55
3/4-inch	0 – 10
3/8-inch	0 – 5
#40	0 – 3
#200	0 – 1.5

Two (2) inch nominal tire chip aggregate means tire chips approved for distribution by the Department of Environmental Protection (DEP) for beneficial use in leaching systems in accordance with DEP’s General Permit issued on September 30, 2005. Two inch nominal tire chip aggregate shall be graded or sized in accordance with ASTM D 448 size number 2, 24 or 3, and shall have at least 95% by weight ranging from ½ inch to a maximum of 4 inches in any one direction. Such aggregate shall have no more than 2% by weight of fines (< #200 sieve) based on a wet sieve. Such aggregate shall also have not more than 5% by weight of tire chips containing wire protruding more than ½ inch from the sides of the tire chips. The permittee shall have the two inch nominal tire chip aggregate tested annually for the above standards and submit reports by July 1st of each year to the Commissioner of Public Health and DEP.