Eastern Highlands Health District
4 South Eagleville Road ♦ Mansfield CT 06268 ♦ Tel: (860) 429-3325 ♦ Fax: (860) 429-3321

Instructions for Non-Engineered Subsurface Sewage Disposal System Plans

These instructions and worksheet are provided to help installers prepare complete and code-complying plans for new and repair subsurface sewage disposal systems. You will need to refer to the current Public Health Code and Technical Standards along with the soil test and site investigation data for the property in order to prepare the plan, but these basic instructions provide the minimum requirements and our expectations for all plans submitted for review to the Eastern Highlands Health District.

A. The plan must include all of the following information:

__ Property address and owner's name / Plan date / Installer's name and address
__ Location of the house sewer / Location and size of the septic tank / Location and description of the leaching system
__ Building locations (including accessory structures) / Buried utilities / Nearby wells and water service lines
__ **Watercourses*** / ground and surface water drains and drainage structures
__ Existing ground elevations in the area of the proposed system and down slope (25 ft. +/-)
__ Proposed system elevations
__ Vertical benchmark location and elevation

Note: **In accordance with the requirements of Connecticut Public Health Code section 19-13-B103e, all plans for the construction or repair of a subsurface sewage disposal system must be submitted on or with "a plot plan of the lot, which shall be a surveyor's plan if available or one prepared from information on the deed or land records."**

B. The plans must also show the basis of design (*e.g. – 3 bedroom house with a perc rate of 10 – 20 min/inch requires 1000 gallon tank and 675 square feet of effective leaching area*), **and the proposed system design dimensions and calculations** (*e.g. – proposing 1000 gallon septic tank and 225 feet of 4' x 1' stone trenches, at 3 sq. ft./lin. ft effective area providing 675 sq. ft of effective area*) – consider using our **Proposed Design Information Worksheet.**

Additional details and specifications for proprietary leaching products, non-concrete septic tanks, deep cut or fill cross-sections, etc., when applicable, should be submitted with the plans.

C. The plan must show all applicable separating distances required by Table 1 of the Technical Standards or must be drawn to scale.

D. The plan should also note the presence of garbage grinders, large capacity bathtubs, water treatment systems, home business uses and any other current or proposed activity at the property that will impact the septic system design flow and function.

E. * Where septic system construction or repairs will occur near watercourses or wetland areas, both on and off site, the homeowner and/or contractor is required to notify the local Inland Wetlands Official of the proposed plan and activities prior to the start of construction. Additional conditions and permits may be required for these projects.

F. In the case of repair systems only, where the system design cannot comply with all of the requirements of the Public Health Code and Technical Standards, the plan must note all exceptions or variances required for the proposed system. Please note that some exceptions require State Health Department approval before plan approval.

G. If a pump system is proposed, details and specifications for the pump chamber, pump and alarm system must be provided with the plan. All electrical work must be inspected and approved by the local building official. The installer and/or electrical contractor is required to notify the local building official of the proposed plan and activities prior to the start of construction and to arrange for electrical inspections.

NOTE:

- **All required information must be provided with the plan. Incomplete plans will be returned for revision.**
- **An approved plan and approved Permit to Construct are required prior to any system construction.**

Rev 11/21/17