clivus new england incorporated

Residential

Nantucket, MA

Profile

- 1,072 sq. ft. remodeled home in need of remedial system
- Environmentally sensitive site
- Small lot
- 2 bedrooms; 2 baths

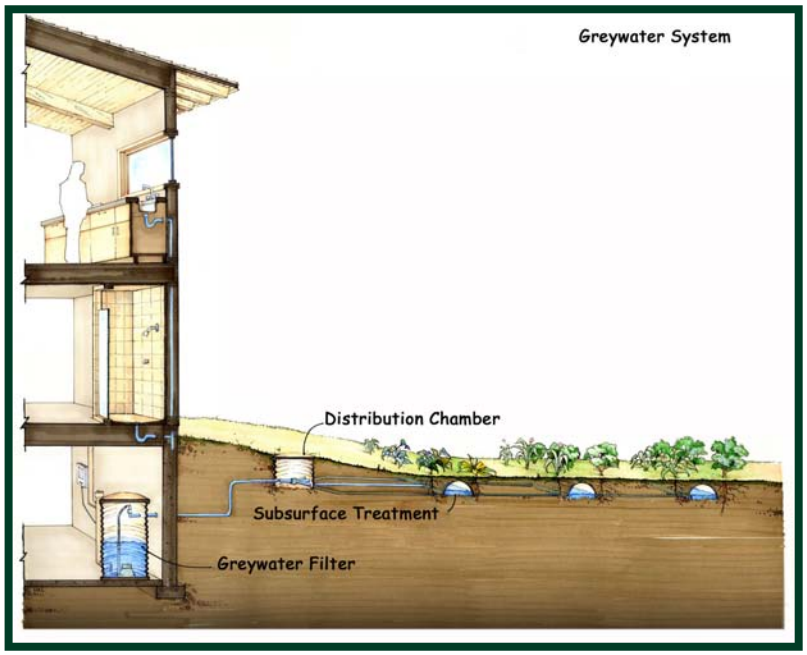
Challenge

- Reduce/eliminate nitrogen from wastewater
- Infringement of 100’ coastal bank setback regulation
- Eliminate polluting sewage
- Preserve site and landscape

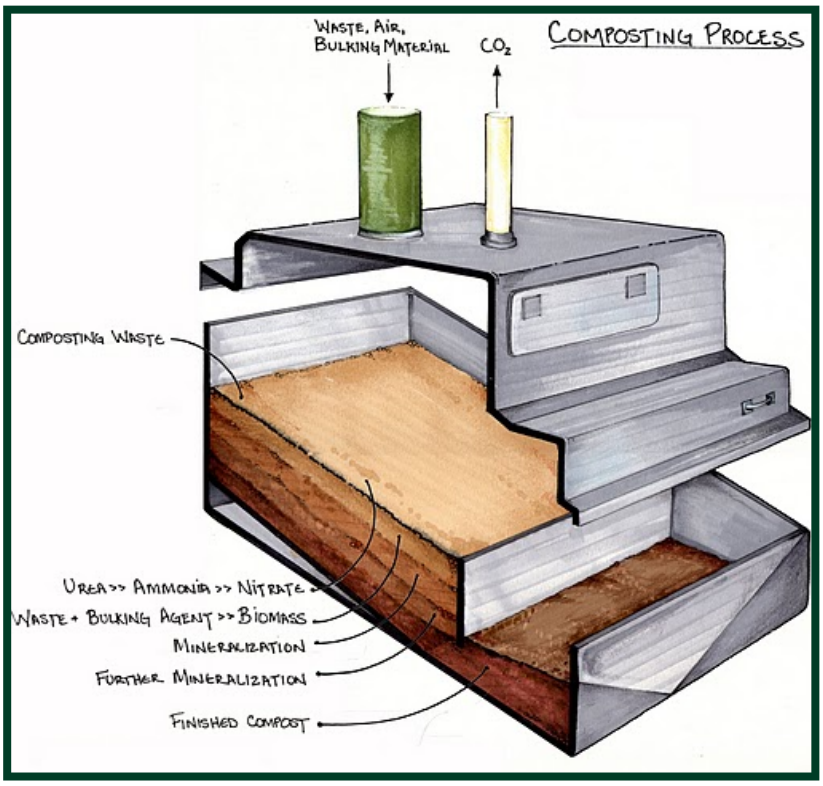
Solution

- Discharge greywater only to 50% reduced size soil absorption system
- Utilize allowable loading rate of 660 gpd/acre for a nitrogen sensitive area
- Installed Nepon foam-flush toilet fixtures
- Installed 2 M10 composters to accommodate split layout of home
- Engineering by Bracken Engineering of Buzzards Bay, MA
- Architecture and construction by Woodmeister Master Builders of Nantucket, MA

Greywater from sinks and showers is sent through the greywater filter before being sent outside to a much reduced size septic or soil absorption system. When used in conjunction with a liquid storage tank that collects the liquid end product from the composter the greywater is virtually free of Nitrogen. Liquids from Clivus greywater and composting systems meets the EPA standard for swimming quality water.



All Clivus systems are NSF Standard 41 Tested and Certified



Composting takes place in all soils which support plant and animal life. The Clivus systems employ the same process in the controlled environment of the composting chamber. As waste breaks down in the composter a less chemically complex, more chemically stable substance rich in organic matter and very similar to soil is produced. Human waste consisting mostly of water is reduced by over 90%. Byproducts of the composting process are water vapor and CO_2 and are released harmlessly into the atmosphere through the ventilation system.

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