clivus new england incorporated

Residential

Charlestown and Westerly, RI

Profile

- New home construction
- Environmentally sensitive sites
- Coastal zones located in critical resource area (as defined in Rule 38)

Challenge

- Utilize and comply with Rule 39
- Reduce/eliminate nitrogen from wastewater
- Eliminate polluting sewage
- Minimize site disturbance
- Drastically reduce wastewater flows in accordance with Rule 36.2

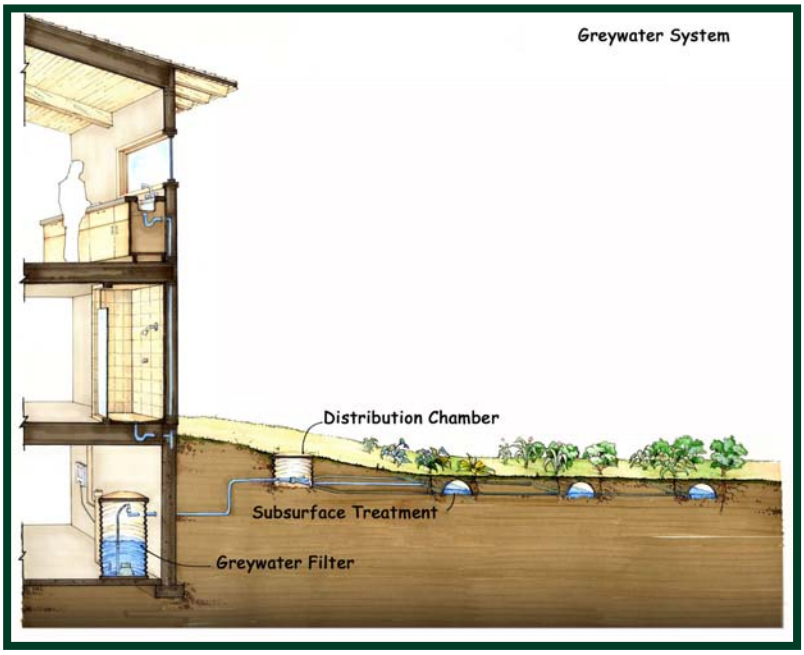
Solution

- Installed Clivus composters
- Installed Nepon foam-flush toilet fixtures
- Discharge greywater only to eliminate nitrogen emission from blackwater (See Rule 39)
- Engineering by Cherenzia & Associates, LTD. of Westerly, RI, and by SFM Engineering Associates, Coventry, RI
- Architecture by Connecticut Valley Homes, East Lyme, CT, and by Stockade Building, Inc., Charlestown, RI

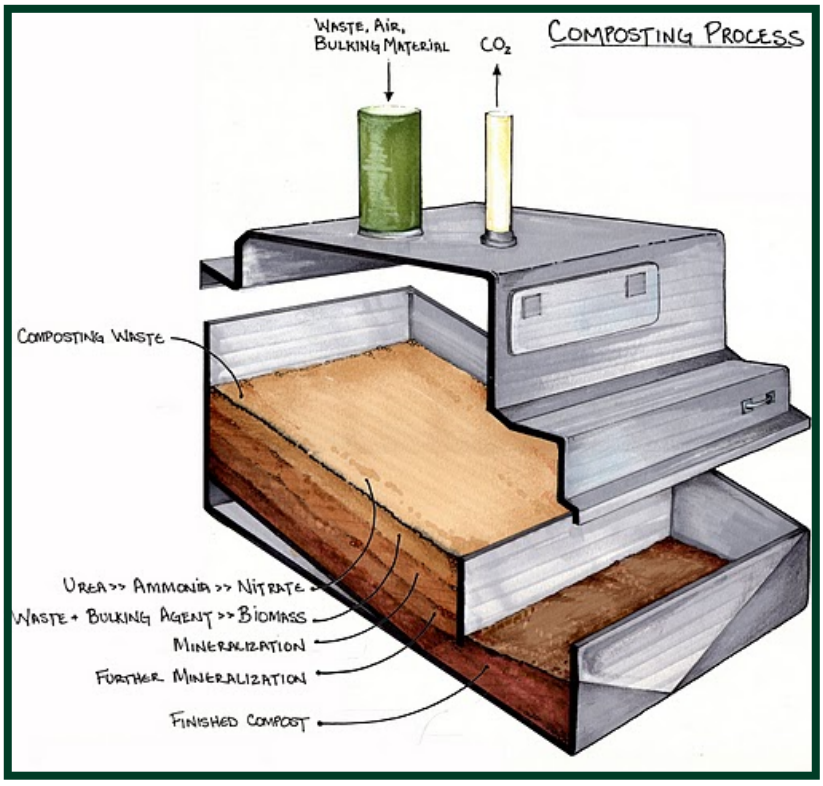
Charlestown, RI

Westerly, RI

Greywater from sinks and showers is sent through the greywater filter or septic tank before being sent outside to a reduced size soil absorption system (new Rule 36.2 allows a 40% reduction). When used in conjunction with a liquid storage tank that collects the liquid end product from the composter the greywater is free of Nitrogen from toilet waste.



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.

clivus new england incorporated

Clivus New England, Inc. • P.O. Box 127 • North Andover, MA 01845 • T: (978) 794-9400 • F: (978) 794-9444 • www.clivusne.com