

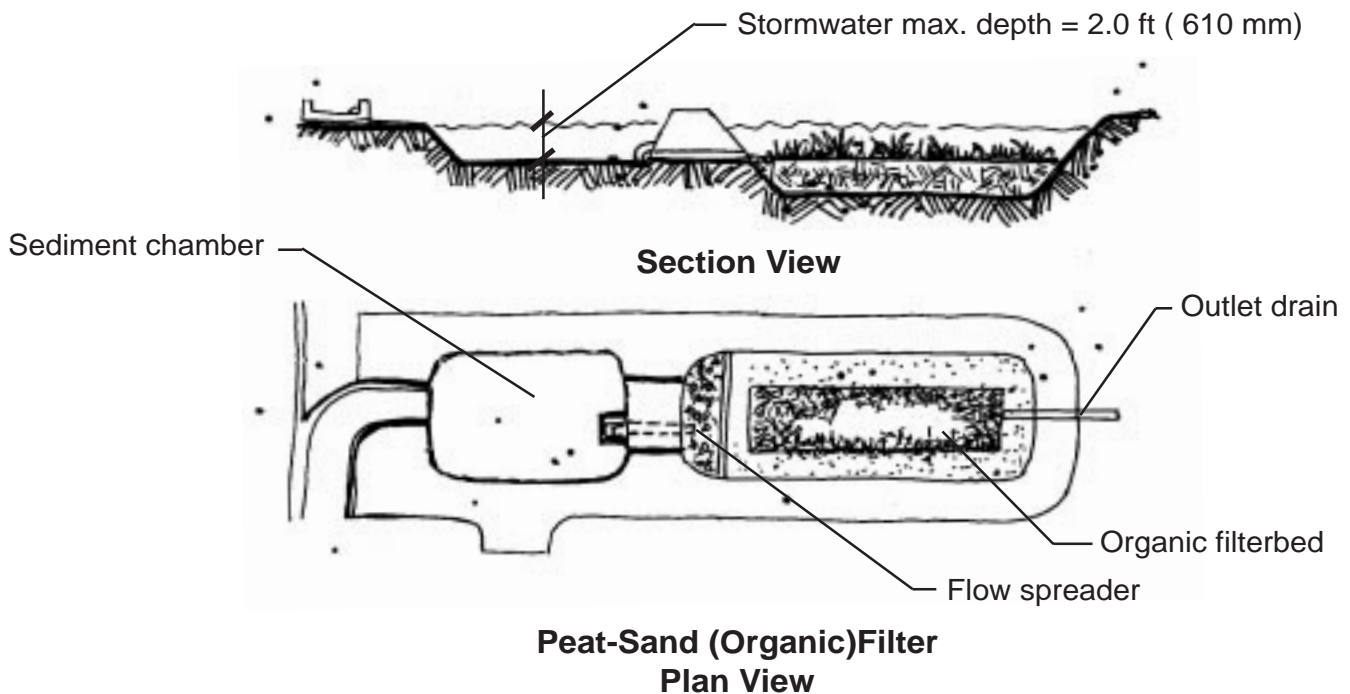
PRIMARY USE: Pollutant removal in stormwater for drainage areas of five acres (two hectares) or less.
ADDITIONAL USES:

ORGANIC SAND FILTER

What is it? The organic sand filter functions the same as the surface sand filter, except that it uses peat/sand or compost as a filter media.

Purpose

The fundamental purpose of this filter is to reduce pollutants in stormwater.



Limitations

This filter is appropriate where large flows greater than the water quality volume (WQV) are bypassed to a downstream stormwater treatment facility. Most organic filters require an impermeable polyliner that separates the filter bed and subsoils, thereby preventing movement of pollutants into groundwater.

Materials

Pea gravel, filter fabric, peat/sand, compost, top soil, grass, piping for connecting sedimentation chamber and filter bed, perforated pipe, concrete or other material for "splitting" stormwater runoff.

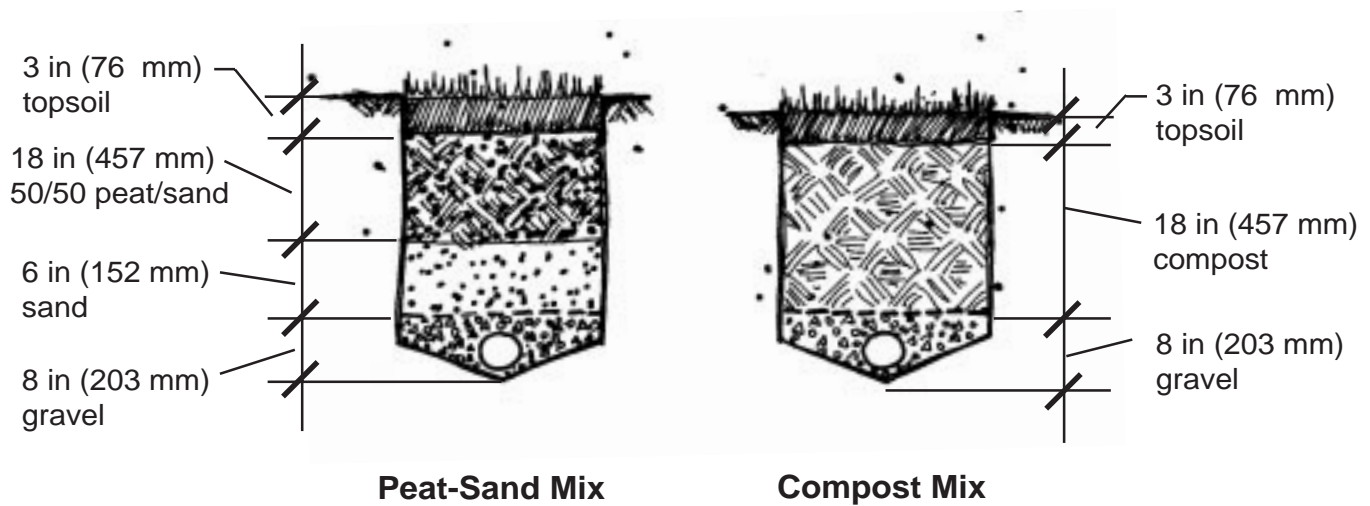
Installation

Variations in climatic, development, and site condition must be taken into account.

Source: Design for Stormwater Filtering Systems, Center for Watershed Protection.

ORGANIC SAND FILTER

Additional Drawings:



NOTE:

Use filter fabric between layers to ensure separation of materials and maximum performance.