Glendon Systems

Upflow Sand Filter (Glendon Biofilter)

The biofilter system consists of different layers of sand and gravel placed in a watertight box/tank built into the soil. Effluent is pumped into the bottom of the filter and allowed to wick itself up (capillary action) through the sand and over the rim of the box into the native soil.

Several boxes or pods may be used to accommodate varying site conditions and number of bedrooms. A splitter valve along with a timing device is used to assure even flow to all pods.

This system requires periodic maintenance and proper operation to assure continued performance standards be met over time. This system provides the highest level of treatment without the use of disinfection. These system can also be installed on sites where required setbacks cannot be met.

Soil Requirements: At least 12-inches of native soil, typically 12 to 24 inches of undisturbed soil.

Three Bedroom Glendon BioFilter

Each of these tanks (PODS) represents one-bedroom;
this is a three-bedroom system.

Each of these tanks will be lined with a PVC membrane and
filled with media (sand & gravels) then capped with course sand.

Building Glendon BioFilters:

Glendon Concrete Basins with PVC Liners.
Getting ready in fill basins with gravel media.

Filling Glendon basins with gravel media.

Building Glendons on a hillside.

This is a FINISHED Two-Bedroom System

Note the sand around the each POD; that is the “ABSORPTION AREA” where the treated effluent is disposed of.