

Steep Slope System

Revision: January 4, 2024

Installer registration permit: Property owner or standard and basic

Licensed professional engineer required: No

Description

A steep slope system is a trench system for slopes greater than 20% but less than 46%.

Approval Conditions

1. Soil must be well-drained without evidence of saturation and of soil design group A or B without evidence of textural change in the effective depth. **Drainfields using a proprietary treatment product may be installed in C soils if the product's installation manual specifies that the product may be installed in C soils.**
2. Except as listed in this section, all regulations applicable to a standard system will apply.
3. Trenches must be separated by at least 8 horizontal feet of undisturbed soil.
4. Trenches may not exceed 36 inches in width.
5. The drainfield bottom must be installed at a minimum depth of 30 inches below the natural soil surface on the downhill side of the trench:
 - a. The drainfield bottom may not exceed 48 inches below the natural soil surface on the downhill side of the trench.
 - b. The required vertical separation distances from the bottom of the drainfield to features of interest (IDAPA 58.01.03.008.02.c) must be capable of being met from the uphill side of the drainfield trench.
6. A gravel drainfield must meet the following:
 - a. Contain a minimum of 18 inches of drainrock, 12 inches of which must be installed below the perforated distribution pipe.
 - b. Restriction on the credit for the installation of extra drainrock below the drainfield in the steep slope system must follow section **Error! Reference source not found.**
7. A gravelless drainfield must meet the following:
 - a. Be constructed with an approved gravelless trench component (section **Error! Reference source not found.**) configuration.
 - b. No reduction in drainfield disposal area will be credited for the installation of the gravelless trench component in the steep slope system.
8. A drainfield using a PWTP must meet the following:
 - a. Be constructed with an approved PWTP (Section 5.13).
 - b. Be constructed by a licensed complex installer.