

15A NCAC 18E .0502 TOPOGRAPHY AND LANDSCAPE POSITION

- (a) Uniform stable slopes less than or equal to 65 percent shall be suitable with respect to topography.
- (b) The following shall be unsuitable with respect to topography:
 - (1) slopes greater than 65 percent; and
 - (2) areas subject to surface water convergence. The site shall be considered suitable when the surface water can be diverted from the site with berms or other surface water diversion devices;
- (c) The following shall be unsuitable with respect to landscape position:
 - (1) depressions, except when with site modifications in accordance with Rule .0910 of this Subchapter, the site complies with the requirements of this Section;
 - (2) a jurisdictional wetland as determined by the U.S. Army Corps of Engineers or DEQ, unless the proposed use is approved in writing by the U.S. Army Corps of Engineers or DEQ; and
 - (3) complex slope patterns, such as areas affected by erosion which have rills or evidence of drainage, and slopes dissected by gullies that prohibit the design, installation, maintenance, monitoring, or repair of the wastewater system.
- (d) For all sites, except where a drip dispersal system is proposed, additional required soil depth based on slope correction shall be calculated using the following formula to determine site suitability for soil depth in accordance with Rule .0505 of this Section:

$$\text{SD} = \text{MSD} + (\text{TW} \times \text{S})$$

Where

- SD = soil depth required with slope correction, in inches
- MSD = minimum soil depth, in inches
- TW = proposed trench width, in inches
- S = percent slope, in decimal form

*History Note: Authority G.S. 130A-335(e);
Eff. January 1, 2024.*