

**Purpose:** To aid the establishment of vegetative cover from seed, to reduce runoff velocity and increase infiltration, and to reduce erosion and provide for sediment trapping.

**Applicability:** All construction slopes require surface roughening to facilitate stabilization with vegetation particularly slopes steeper than 3:1.

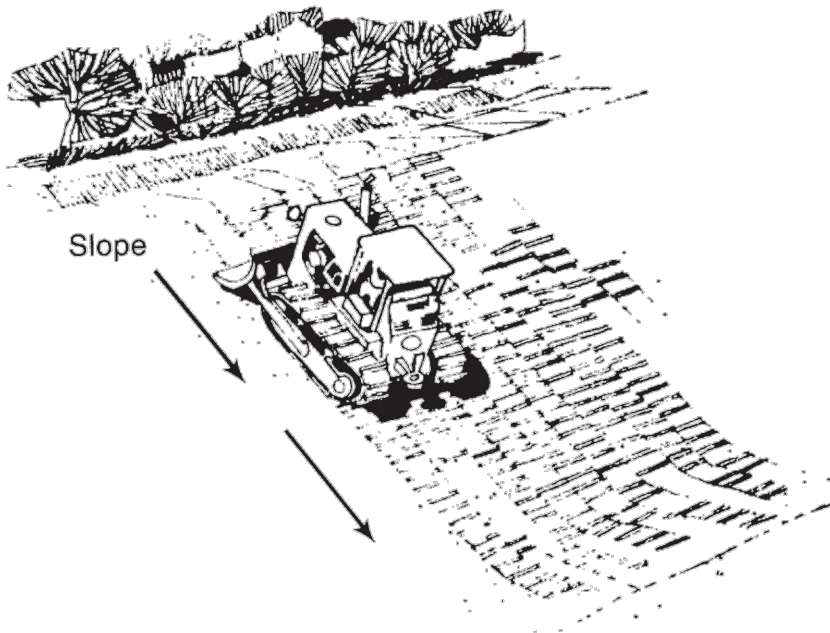


Figure 6.03a  
Bulldozer treads create grooves perpendicular to the slope. The slope face should not be back-bladed during the final grading operation.

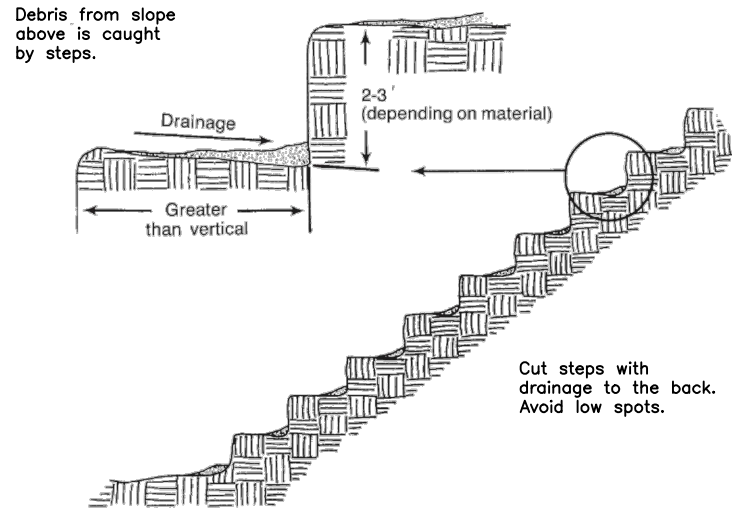


Figure 6.03b  
Stair stepping cut slopes

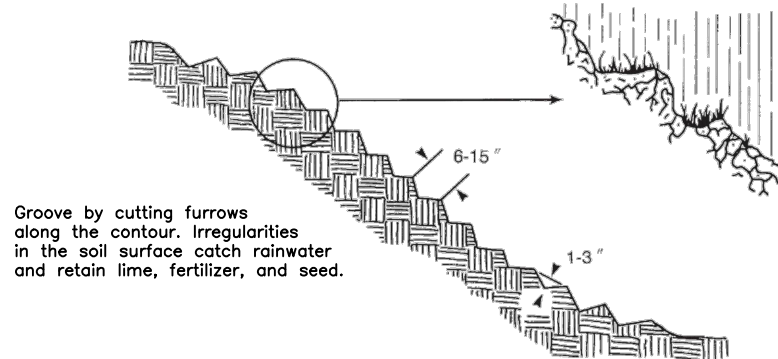


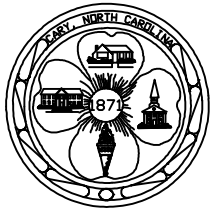
Figure 6.03c  
Grooving slopes

Source: NCDEQ Practice Standards and Specifications Sec. 6.03

## SURFACE ROUGHENING

DETAIL No.

4000.29



EFFECTIVE: 07/01/22