

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.

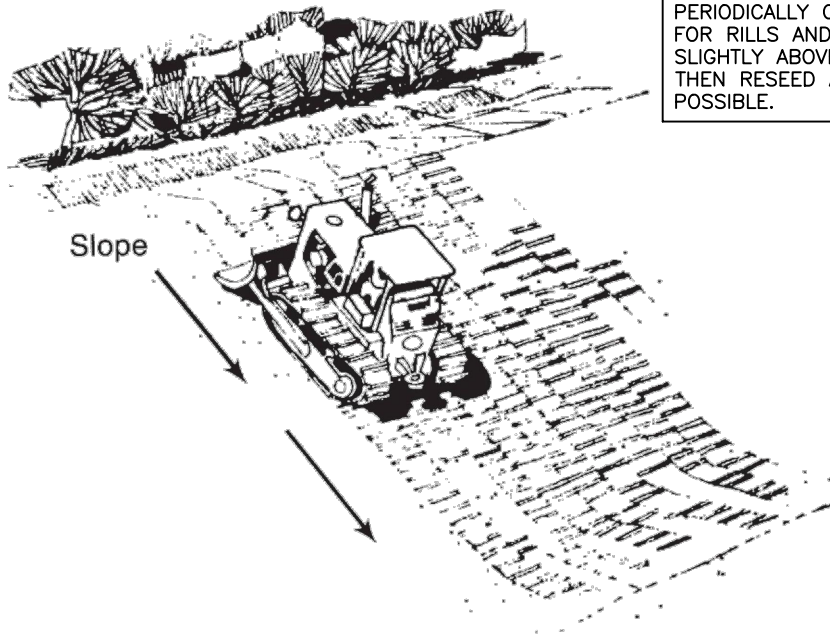


Figure 6.03a  
Bulldozer treads create grooves perpendicular to the slope. The slope face should not be back-bladed during the final grading operation.

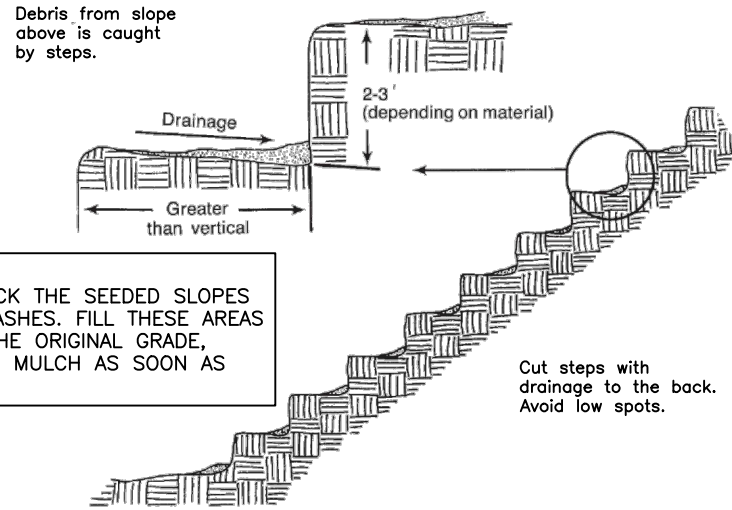
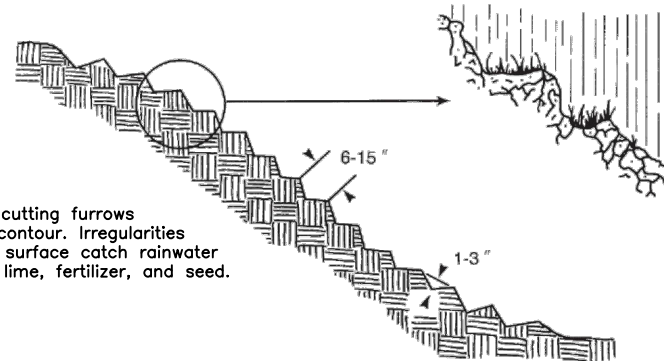


Figure 6.03b  
Stair stepping cut slopes

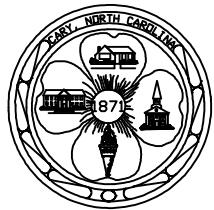
**MAINTENANCE:**  
PERIODICALLY CHECK THE SEEDED SLOPES FOR RILLS AND WASHES. FILL THESE AREAS SLIGHTLY ABOVE THE ORIGINAL GRADE, THEN RESEED AND MULCH AS SOON AS POSSIBLE.



Groove by cutting furrows along the contour. Irregularities in the soil surface catch rainwater and retain lime, fertilizer, and seed.

Figure 6.03c  
Grooving slopes

Source: NCDEQ Practice Standards and Specifications Sec. 6.03



NTS

EFFECTIVE: 07/01/24

## SURFACE ROUGHENING

DETAIL No.

4000.29