

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.

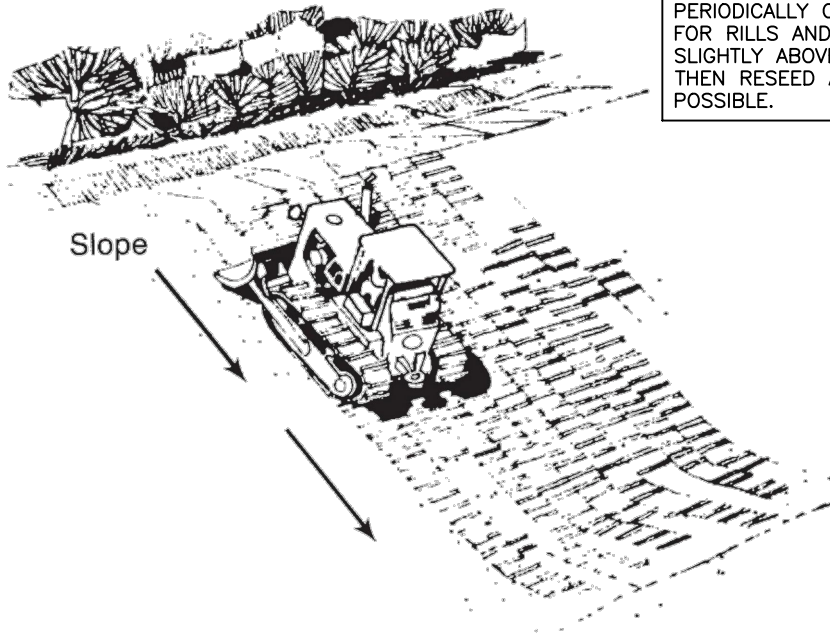


Figure 6.03a
Bulldozer treads create grooves perpendicular to the slope. The slope face should not be back-bladed during the final grading operation.

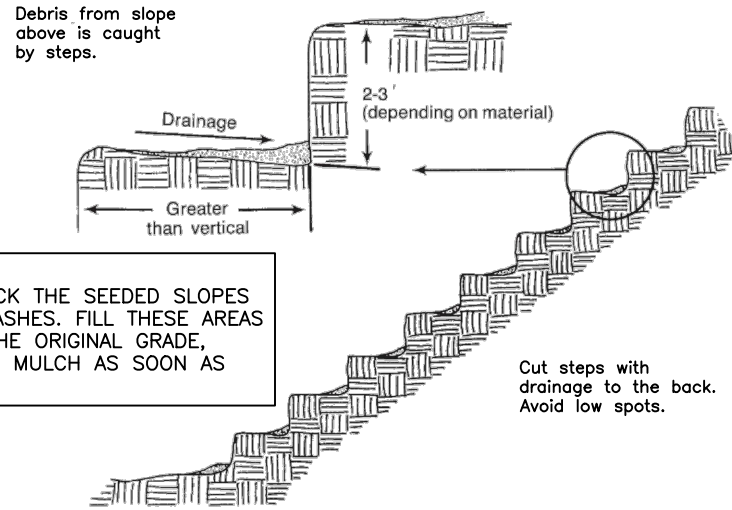


Figure 6.03b
Stair stepping cut slopes

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.

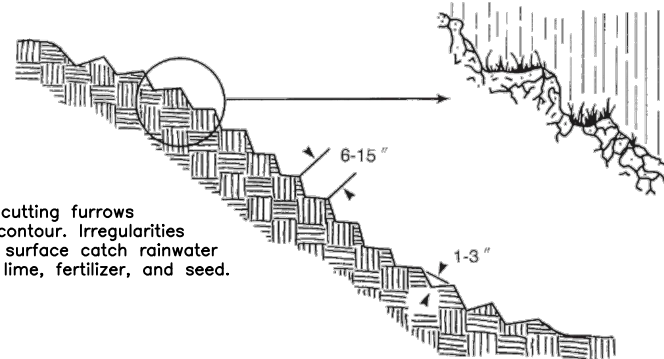


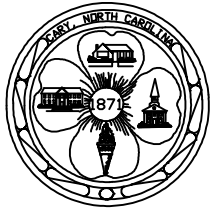
Figure 6.03c
Grooving slopes

Source: NCDEQ Practice Standards and Specifications Sec. 6.03

SURFACE ROUGHENING

DETAIL No.

4000.29



EFFECTIVE: 07/01/23