ASCENDING TURNS

Ascending turns are both physically and technically challenging for riders; they are frequently the steepest part of a trail and require balance and strength to properly execute. An electric mountain bicycle can more easily navigate an ascending turn because more momentum can be carried through the turn.

This increased momentum means that a cyclist can ride an ascending turn and utilize the backslope of the turn as a riding surface. Skilled riders may already be using this area to initiate their descending turn but if it can be modified to provide more riding surface.
ASCENDING TURNS

Properly built bike-optimized trails will already have a backslope that is integrated into the riding surface of the turn; if this is not the case, modifying the turns will benefit both descending mountain bicyclists and ascending electric mountain bicyclists.

Building a turn in this manner will allow electric mountain bicyclists to accelerate while approaching the turn from below, carrying momentum up through the middle and across the top. This reduces the need to exert power while in the turn where it is easier to “spin out” and displace soil because of reduced contact with the riding surface.