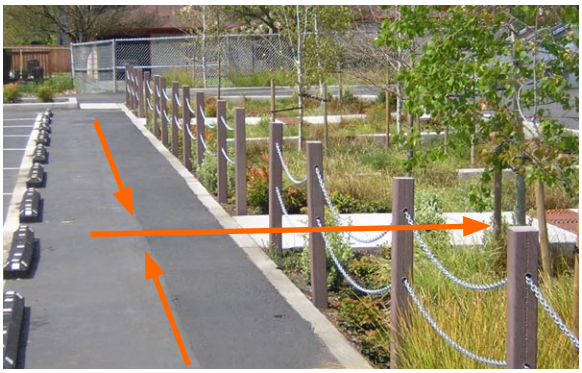
Pedestrian circulation is also an important design consideration when using stormwater facilities in parking lots. The question that must be asked is: Where is the primary pedestrian destination(s) in relation to the parking lot? For stormwater management, it is best to align landscape facilities perpendicular to the sheet flow of water in order to maximize the potential for capturing runoff. Sometimes this optimum alignment is in conflict with the desired pedestrian flow to and from a destination. It is important to design a parking lot that provides bridges/pathways over the stormwater facilities and/or walkways for people to safely walk alongside the stormwater facilities (See diagrams below). Assuring that pedestrians can easily cross over stormwater facilities is essential to prevent people from cutting through the landscaped areas. Inadequate provisions for pedestrian circulation may result in trampled plants, compacted soil, and increased erosion in the stormwater facility.

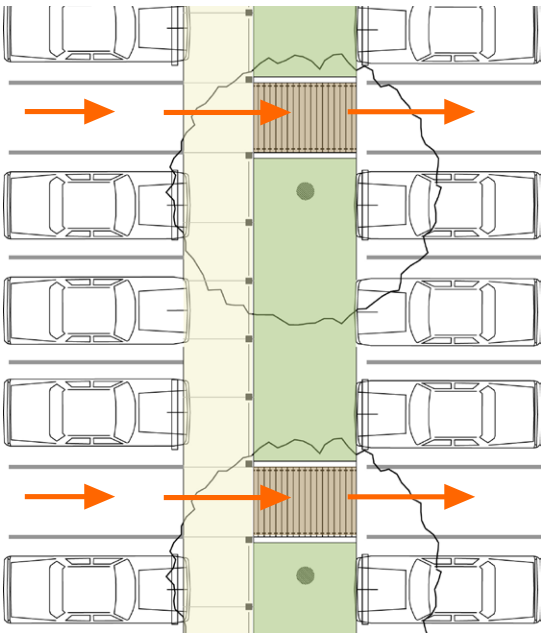
SOURCE: NEVUE NGAN ASSOCIATES

Figure 5-14: *Failed pedestrian circulation within a parking lot. Due to poor design, people have trampled this vegetated swale to the point where the landscape cannot grow.*

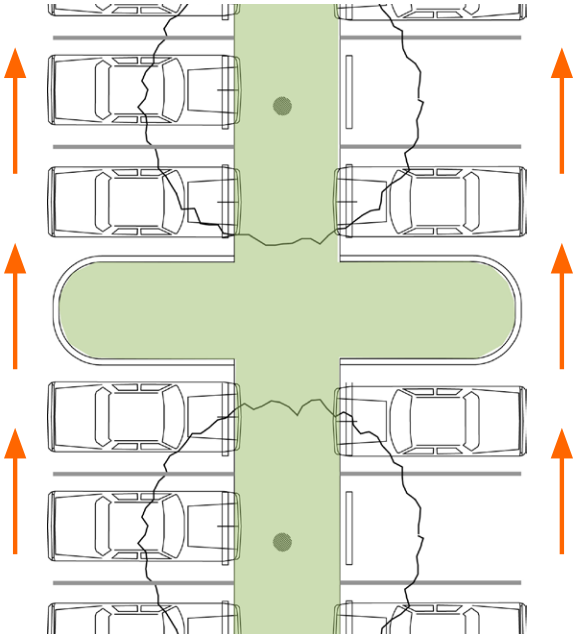


SOURCE: NEVUE NGAN ASSOCIATES

Figure 5-15: *Good circulation within a parking lot. This vegetated swale has several walkways that allow pedestrians to access their destination without walking through the landscape area.*



Pedestrian circulation perpendicular to a stormwater facility.



Pedestrian circulation parallel to a stormwater facility.