A retaining wall is a wall built to keep a bank of sand or soil in its place. Although retaining walls are typically made of concrete, whole scrap tires may be used as an alternative building material for retaining walls. To construct a retaining wall with whole tires, the tires are stacked vertically on top of each other. Adjacent tires are then clipped together horizontally and metal posts are driven vertically through the tire openings and anchored into the underlying earth as necessary to provide lateral support and prevent later displacement. Each layer of tires is filled with compacted earth backfill.

**Sources**
- A Laboratory and Field Evaluation of the Use of Waste Materials in Highway Construction (S.N. Amirkhanian, 1999)