











## 6.9.2.1 Standard

A modular Segmental Retaining Wall (SRW) is a Mechanically Stabilized Earth (MSE) wall system. It is the standard wall to be used on QuikTrip sites. Comprised of a masonry block face, it gains its strength through the retained soils. If the wall is more than two or three feet in height, reinforcing fabric is applied in vertical layers to tie back into the retained soils (tie-backs). Proper drainage is essential or the wall system can fail.



- Typical batter of this type of wall is 6 degrees.
- The wall typically bears on a sand bed. Sometimes a concrete footing can be used; however a special weak concrete mix must be used so that stresses do not crack the block.
- Careful attention shall be paid to the area behind the wall. Ensure there is room to install geogrid within the boundaries available.
  - Grid should not encroach in property boundaries, underground easements or site utilities.
  - Site utilities should not run longitudinally behind the wall, especially gravity systems. It is difficult to place utilities within the layers of the grid. If utilities must be placed within the grid, they should run perpendicular.



