

Driveway Design Instruction Sheet

Driveway Design Elements

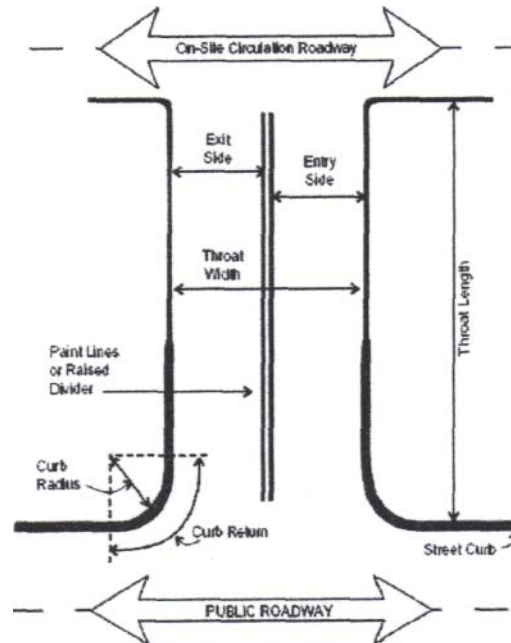
1) *Driveway Throat Length:*

For minimum use driveways, the throat length shall be a minimum of 25 feet.

2) *Driveway Throat Width:*

For minimum use driveways, the throat width shall be a minimum of 10 feet. The township may require additional driveway width to facilitate turning movements if the proper turning radii cannot be provided due to site constraints.

Diagram Displaying Driveway Throat Length, Width, and Radius



3) *Driveway Radius:* For minimum use driveways, the radii shall be a minimum of 15 feet. However, the driveway radii shall be designed to accommodate the largest vehicle expected to frequently use. A too small radius may make entering a driveway more difficult and cause vehicles to slow down or almost stop upon entering, thus affecting the speed and capacity of through traffic on the intersecting roadway.

4) *Driveway Line of Sight:* Adequate sight distance ensures that drivers can safely enter or exit a driveway or intersecting roadway. If a parcel has limited frontage and topographic constraints, improvements may be needed on adjacent properties to achieve minimum sight distances. In this case, easements are typically needed from the adjacent property owners.

5) *Driveway Profile:* A proper driveway profile allows vehicles to complete a smooth 90 degree turning maneuver without a "bottoming out" of the vehicle. Grade requirements also assure drainage within the right of way and adjacent areas is not impaired by the driveway access. All driveways must install either a drainage pipe or drainage swale to accommodate roadside drainage. Grade breaks may be required to prevent driveway drainage from entering the roadway.