

Table 1 – New Roadway Design Standards

Road Type	Arterial		Collector		Local		Emergency Egress	
	Terrain*	Major	Minor	Ordinary	Mountainous	Ordinary		Mountainous
Easement Width		100'	80'	60'	60'	60'	60'	40' (min.)
Centerline radius on curves (Min.)	**	**	**	300'	150'	100'	100' ***	100' ***
Tangent length between reverse curves	**	**	**	100'	50'	N/A	N/A	N/A
Stopping Sight Distance	**	**	**	**	**	**	**	**
Angle at intersection centerline	**	**	**	≥75°	≥75°	≥75°	≥75° ****	≥75° ****
Length of tangent of intersection *****	**	**	**	150'	100'	50'	50'	N/A
Pavement width (width includes paved shoulders)	**	**	**	24' (min.)	24' (min.)	22' (min.)	22' (min.)	16' (gravel)
Maximum Length to center of Cul-de-sac	N/A	N/A	N/A	N/A	N/A	2,640'	2,640'	N/A

Cul-de-sac right-of-way radius

Outside Travel Surface	N/A	N/A	N/A	N/A	50'	50'	N/A
Outside R-O-W Radius	N/A	N/A	N/A	N/A	60'	60'	N/A

Hammerhead Turnaround

Travel Width	N/A	N/A	N/A	N/A	22'	22'	N/A
Turnaround off Centerline	N/A	N/A	N/A	N/A	60'	60'	N/A

Roadway Grades & Intersection Grade Requirements

Max. grade	8%	8%	8%	10%	10%	12%	**
Min. grade	**	**	0.5%	0.5%	0.5%	0.5%	**
Minimum length of 5% landing from intersection centerline	**	**	**	**	50'	50'	N/A

* Mountainous terrain is defined as terrain which has a cross slope exceeding 15%.

** All design criteria shall be to AASHTO standards.

*** Centerline radius can be reduced to 75' if roadway is super elevated to 4% and grades on curved sections are 6% or less.

**** Angle at intersection centerline may be less than 75° if a variance is approved by County Commission.

***** The length of tangent of intersection is for the minor road only connecting onto a major road.

2 - 06 DRIVEWAYS.

The nearest edge of any residential driveway shall be not less than thirty five (35) feet from the edge of the pavement to the nearest intersecting road. All new driveway locations abutting county roads shall be reviewed and approved by the Road and Bridge Department (Application for Approach Permit) prior to beginning construction.

2 - 07 PLACEMENT OF UTILITIES.

All new utilities shall be placed underground. Above ground utility boxes, pedestals, vaults, or transformers shall be placed within the easement outside of the clearzone as defined in the AASHTO Roadside Design Guide. Utilities shall be placed as far as practical from the centerline of the proposed roadway.

All applicable laws, rules and regulations of appropriate regulatory authority having jurisdiction over utilities shall be observed.

Utility Easements: All public utility easements shall be fifteen (15) feet wide for a single pipeline, with the pipe centerline five (5) feet from one easement edge. For easements with two pipelines, the minimum width shall be twenty (20) feet with each pipe centerline five (5) feet from the easement edge.

2 - 08 PLACEMENT OF ASPHALT.

Asphalt shall be placed in a single max lift of no greater than three (3) inches surface course.

Asphalt placed in two (2) or more lifts shall be no greater than 2 1/2 " thickness per MPWSS.