

SECTION 36

PARK MASTER PLAN

CITIZENS ADVISORY COMMITTEE PROGRAM AND CONCEPT NOTES

The following page describes the Trail Classes and Trail Density which are used in the concepts to describe the level of trail development.

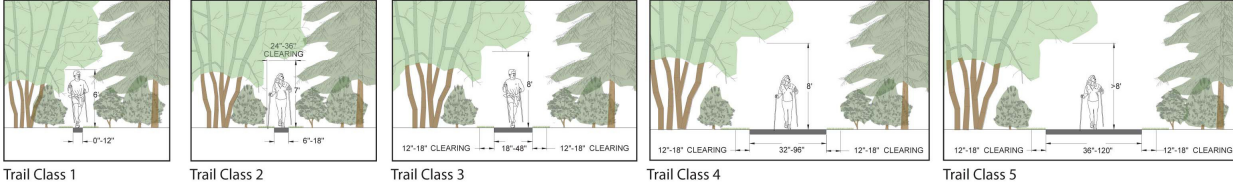
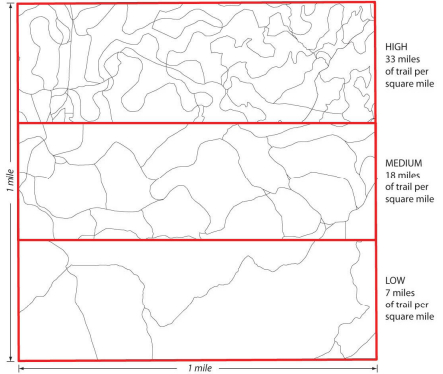
Hiker-Pedestrian Trail Design Parameters

Trail Design Parameters provide guidance for the assessment, survey and design, construction, repair and maintenance of trails, based on the Trail Class and Designed Use of the trail. Exceptions and variances to these parameters can occur, however, when site-specific circumstances demand such exceptions.

Designed Use HIKER-PEDESTRIAN	Trail Class 1	Trail Class 2	Trail Class 3*	Trail Class 4*	Trail Class 5*	
Design Tread Width	0' – 12"	6' – 18"	18' – 48"	32' – 96"	36' – 120"	
Design Surface	Type	Native, un-graded. Intermittent, rough.	Native with limited grading. Continuous, rough.	Native with some on-site borrow or imported materials. Generally clear.	Imported materials or hardening is common. Smooth, few obstacles. Protrusions 2-3" steps to 8".	Uniform, firm, and stable. Smooth, no obstacles. Protrusions <2".
	Obstacles	Roots, rocks, logs, steps to 24"	Roots, rocks and log protrusions to 8", steps to 14"	Protrusions to 3", steps to 10"		
Design Grade**	Target Range (>90% of Trail)	< 20%	< 15%	< 12%	< 10%	< 5%
	Short Pitch Max (Up to 200' lengths)	25%	20%	20%	15%	10%
	Max Pitch Density***	< 10% of trail	< 5% of trail	< 5% of trail	< 3% of trail	< 3% of trail
Design Cross-Slope	Target Range	Not applicable	5 – 10%	5 – 10%	3 – 7%	2 – 3% (or crowned)
	Maximum	Up to natural side-slope.	Up to natural side-slope	15%	10%	3%
Design Clearing	Width	Sufficient to define trail corridor.	24' – 36', with some encroachment into clearing area.	12' – 18' outside of tread edge.	12' – 18' outside of tread edge.	12' – 24' outside of tread edge.
	Height	6'	6' – 7'	8'	8'	> 8'
Design Turns	Radius	No minimum.	2 – 3'	3 – 6'	4 – 6'	6 – 12'

* Trail Classes 3, 4 and 5 may potentially provide accessible passage. If assessing or designing trails for accessibility, refer to current Agency trail accessibility guidance.
 ** Grade variances should be based upon soils, hydrological conditions, use levels, and other factors contributing to surface stability and erosion potential.
 *** Maximum pitch density refers to the percentage of the trail that is within 5% (+/-) of the Short Pitch Maximum Grade.

Trail Density



Trail Class 1 Trail Class 2 Trail Class 3 Trail Class 4 Trail Class 5