

Table 1 - Chapter 16.8, Article IV

DESIGN AND CONSTRUCTION STANDARDS FOR STREETS and PEDESTRIAN WAYS

Page ONE	PUBLIC STREETS						PRIVATE STREETS		
Design and Construction Standards	Arterial Highways	Secondary Highways	Commercial Light Industrial Mixed Use Developments	Primary Collectors	Secondary Collectors	Minor Streets	Class III	Class II	Class I
Average Daily Trips (ADT)	9,001 or more	3,001 to 9,000	ADT and Peak	801 to 3,000	201 to 800	35 to 200	72 to 800	35 to 71	12 to 35
Street Width Design:	Streets in this classification will generally be affected by development rather than constructed, and may require drainage, soil, use, traffic safety, and impact studies beyond the scope of this title for required improvements and/or construction.		Commercial, light industrial and mixed use development(s) streets shall be constructed to no less than secondary collector standards and may be subject to higher standards depending upon the traffic generation and use(s) intended.				Same standards as public streets (Primary collectors, secondary collectors, and minor streets) based on average daily trips count (ADT) calculated from the latest edition of the ITE Codes.		
a. Right-of-way				60'	60'	60'		40'	40'
b. Travel Pavement				22'	20'	22'		20'	18' gravel
c. Sidewalk/Pedestrian way				6'	6'	5'		N/A	N/A
d. Paved Shoulder				2' walk side 8' opp. Side	2' walk side 8' opp. Side	2' walk side 8' opp. Side		N/A	N/A
e. Gravel Shoulder				2' opp. Side	2' opp. Side	2' opp. Side		both sides	N/A
f. Enclosed Drainage				sidewalk side	sidewalk side	not required		N/A	N/A
g. Parking				one side	emergency	emergency		emergency	No
Street Gradients:									
a. Longitudinal (min. to Max)				.05% to 6%	.05% to 7%	.05% to 8%		.05% to 9%	1.0% to 10%
b. Slide Slope (hor. To vert.)				3 to 1	3 to 1	3 to 1		2 to 1	2 to 1
c. Road Crown				1/4" per ft	1/4" per ft	1/4" per ft		¼" to ½" per ft	¼" to ½" per ft
Cul-de-sac:									
a. Street Length to Radius				N/A	1,500'	1,200'		600'	400'
b. Boundary Radius	N/A	65'	60'	50'	50' or 40 X 40 turn tee				
c. Paved Radius	N/A	50'	50'	40'	gravel 40' or 18' X 18'				
Second Access	Yes	Yes, can be emergency only	Not desirable	Not Allowed	Not Allowed				

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Average Daily Trips (ADT)	9,001 or more	3,001 to 9,000	ADT and Peak	801 to 3,000	201 to 800	35 to 200	72 to 800	35 to 71	12 to 35
Intersection Design:	Streets in this classification will generally be affected by development rather than constructed, and may require drainage, soil, use, traffic safety, and impact studies beyond the scope of this title for required improvements and/or construction.	Commercial, light industrial and mixed use development(s) streets shall be constructed to no less than secondary collector standards and may be subject to higher standards depending upon the traffic generation and use(s) intended.	600'	400'	300'	Same standards as public streets (Primary collectors, secondary collectors, and minor streets) based on average daily trips count (ADT) calculated from the latest edition of the ITE Codes..	N/A	N/A	
a. Frequency Centerlines			90°	80° - 90°	80° - 90°		75° - 90°	60° - 90°	
b. Maximum Angle			75'	50'	40'		40"	N/A	
c. Tangent section to paved edge			2% @ 75'	3% @ 50'	3% @ 40'		3% @ 40'	3% @ 25'	
e. Curb radii			20'	20'	10'		10'	N/A	
Curves:									
a. Tangent between Reverse Curves			200'	100'	100'		N/A	N/A	
b. Min. centerline curve radius			400'	300'	150'		100'	N/A	
Street Materials cross-section:									
a. Min. gravel sub-base			18"	12"	12"		12"	8"	
b. Min. crushed gravel			6"	6"	6"		4"	4"	
c. Bituminous Pavement			2"	2"	1 1/2"		1 1/2"	N/A	
d. Bituminous Pavement Surface			1 1/2"	1	1		1"	N/A	
e. Compacted Loam Slopes			6"	4"	4"		4"	4"	

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Sidewalk materials Cross-section:	Streets in this classification will generally be affected by development rather than constructed, and may require drainage, soil, use, traffic safety, and impact studies beyond the scope of this title for required improvements and/or construction.		Commercial, light industrial and mixed use development(s) streets shall be constructed to no less than secondary collector standards and may be subject to higher standards depending upon the traffic generation and use(s) intended.			Planning Board Determination	N/A	N/A	N/A
a. Minimum Gravel Sub-base				18"	12"				
b. Minimum Crushed Gravel				9"	9"				
c. Min. and Max. Curb Reveal				6" - 8"	6" - 8"				
d. Curb Material				Granite	Granite				
e. Bituminous Pavement Base				2"	2"				
f. Bituminous Pavement Surface				1"	1"				