CITY OF RICHARDSON

PARKING

DESIGN

MANUAL





W1 Parking module width (wall to wall) single loaded aisle

W2 Parking module width (wall to wall) double loaded aisle

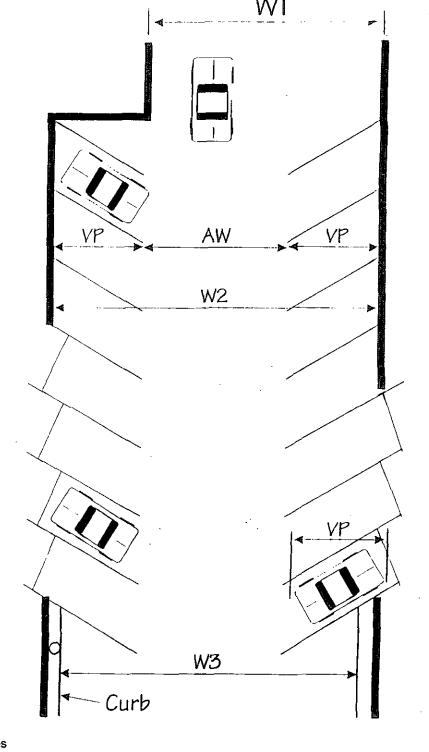
W3 Parking module width (curb to curb) double loaded aisle

AW Aisle width

VP Projected vehicle length measured perpendicular to aisle

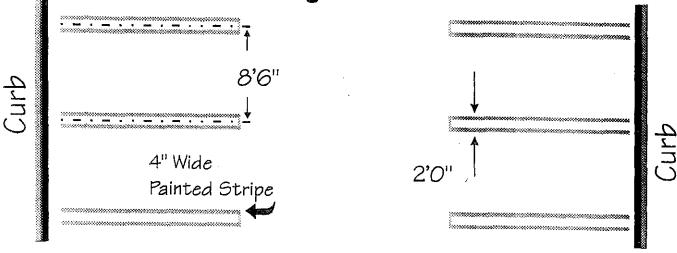
Overhang clearance

TYPICAL PARKING DIMENSIONS One Size Fits All									
Angle		Vehicle	Aisle	Module Widths					
	Overhang 0	Projection vp	Width AW	W1	W2	W3			
45	1'-10"	16'-11"	12' -5"	29'-4"	46' -3"	42'-7"			
50	2'-0"	17' -6"	13' -0"	30'-6"	48' -0"	44'-0"			
55	2'-0"	17'-11"	13'-11"	31,'-8"	49' -9"	45'-9"			
60	2'-3"	18' -2"	14'-11"	33'-1"	51' -3"	46'-9"			
65	2'-5"	18' -6"	15'-10"	34'-4"	52'-10"	48'-0"			
70	2'-6"	18' -6"	16'-11"	35'-6"	54' -0"	49'-0"			
75	2'-6"	18' -6"	18' -8"	37'-2"	55' -8"	50'-8"			
90	2'-7"	17' -5"	22'-10"	40'-3"	57' -8"	52 -6"			



NOTE: These dimensions are based on the usage being 60% large vehicles and 40% small vehicles

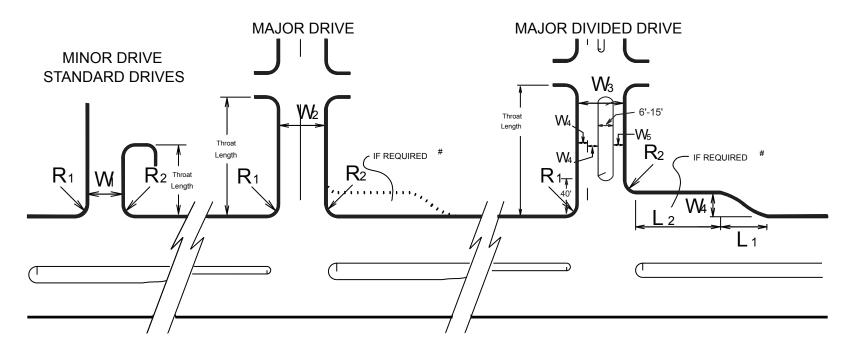
Long Term Parking Design Standard



Long term parking allows for the stall width to be reduced 6 inches from 9 feet to 8 feet 6 inches. This option is only allowed in Office and Industrial Zoning Districts where 8 feet 6 inch wide spaces are provided. An adequate number of 9 foot wide stalls are required adjacent to the front of the building for visitor usage. This number will be determined by the developer for the City Plan Commission approval. Stall widths for Planned Developments will be addressed at the time a concept plan is submitted for the City Plan Commission approval.

Note: All other required parking shall be 9 foot wide with a single 4 inch wide painted stripe.

Driveway Geometric Design



DESIRABLE DRIVEWAY GEOMETRICS (feet)

Road Classification	L 1 MIN	L ₂	R ₁	R ₂	W ₁	W ₂	W ₃	W4 MIN	W ₅ MIN
ARTERIAL	120	200	20	30	30 * 40 *	30 50	50 60	11	15
COLLECTOR	90	120	20	30	30 * 40 *	30 50	50 60	11	15
LOCAL	NA	NA	15	30	24 [*] 35 [*]	NA NA	NA NA	NA	NA
ALLEY	NA	NA	10	10	* *	NA NA	NA NA	NA	NA

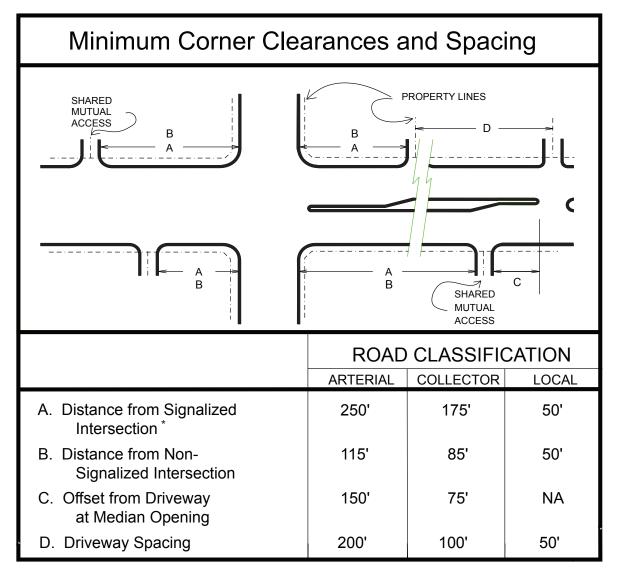
^{*} Residential Driveway Widths are 12' to 30'

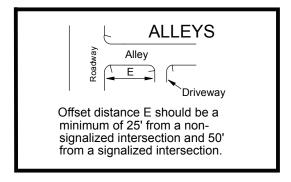
MINIMUM THROAT LENGTHS (feet)

Road		Major Drive of Parking Spa	Minor	Standard		
Classification	<50	50-200	>200	Drive	Drive	
ARTERIAL	38	78	78	28	28	
COLLECTOR	28	38	78	28	28	
LOCAL	NA	NA	NA	28	28	
ALLEY	NA	NA	NA	NA	28	

Right Turn Deceleration Lanes may be required on Major Drives when turning volumes generate over 150 turns in the peak hour or 1,000 Average Daily Trips. Driveways are prohibited in right turn transition (L) areas.

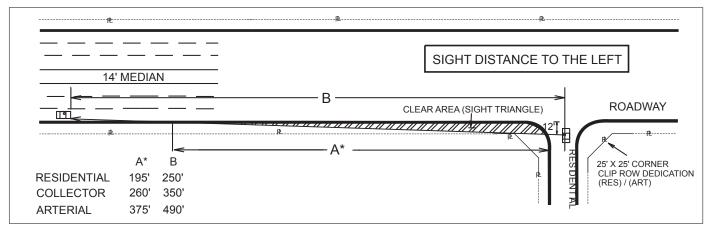
Driveway Locations

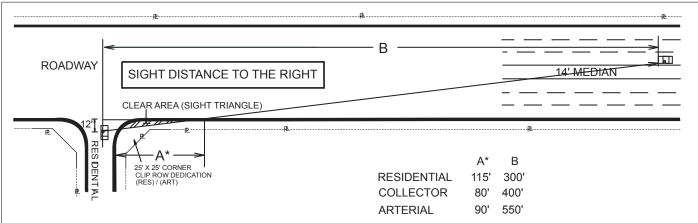


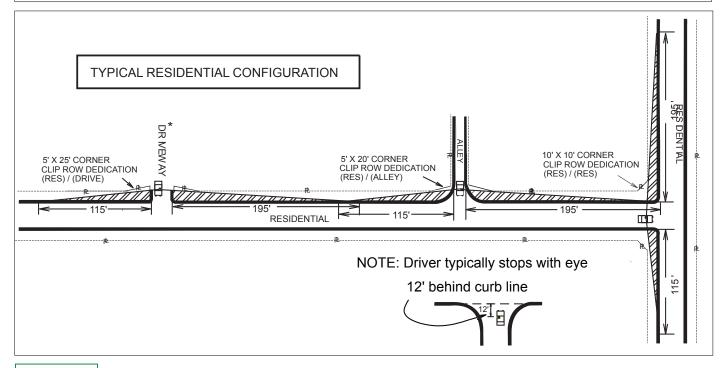




TYPICAL SIGHT TRIANGLE AND CORNER CLIP REQUIREMENTS







City of Richardson Transportation / Traffic Engineering 238 - 4275 *These values are for straight roadways. Distances on curved roadways should be calculated.

NOTE: Power poles and other sight obstructions should not be placed within the sight triangles. Power poles & other non-breakaway objects should be placed as far from the curb line as possible.



02/06/95

FILENAME: sight distance.ai