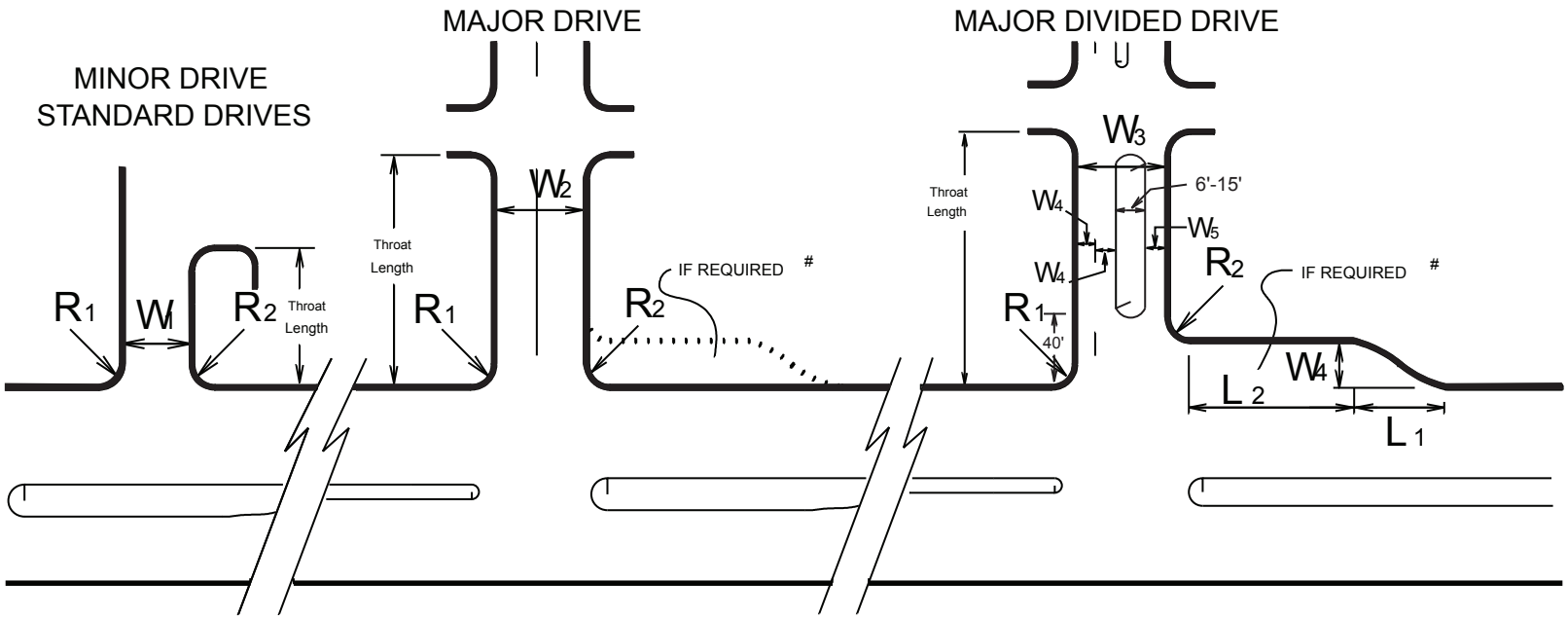
Driveway Geometric Design



DESIRABLE DRIVEWAY GEOMETRICS (feet)

Road Classification	L_1 MIN	L_2 MIN	R_1 MIN	R_2 MIN	W_1 MIN	W_1 MAX	W_2 MIN	W_2 MAX	W_3 MIN	W_3 MAX	W_4 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	NA	NA

* Residential Driveway Widths are 12' to 30'

MINIMUM THROAT LENGTHS (feet)

Road Classification	Major Drive Number of Parking Spaces <50	Major Drive Number of Parking Spaces 50-200	Major Drive Number of Parking Spaces >200	Minor Drive	Standard 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.

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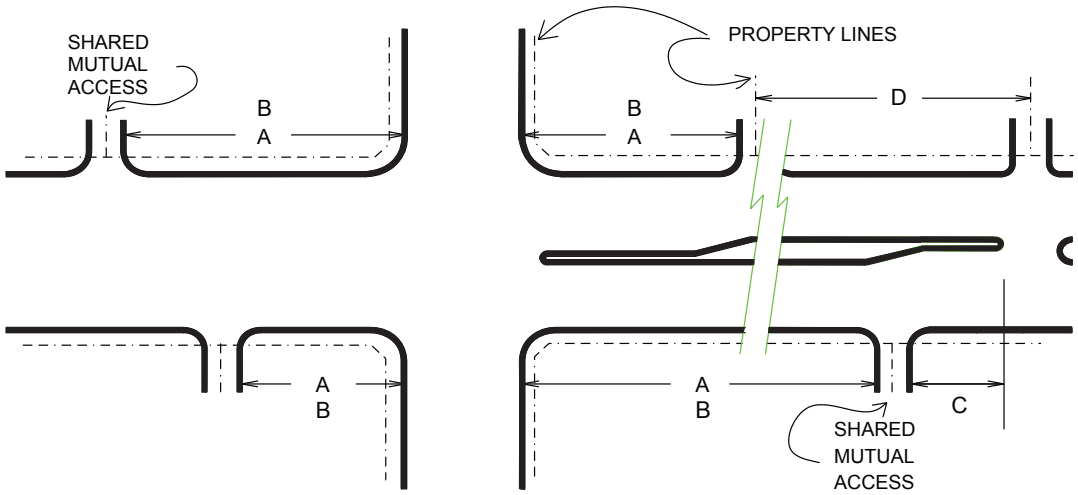
FILE: driveway geometry.ai

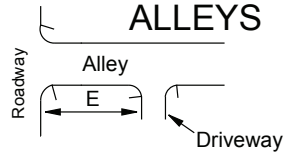
Driveway Locations

Minimum Corner Clearances and Spacing



	ROAD CLASSIFICATION		
	ARTERIAL	COLLECTOR	LOCAL
A. Distance from Signalized Intersection *	250'	175'	50'
B. Distance from Non-Signalized Intersection	115'	85'	50'
C. Offset from Driveway at Median Opening	150'	75'	NA
D. Driveway Spacing	200'	100'	50'

ALLEYS



Offset distance E should be a minimum of 25' from a non-signalized intersection and 50' from a signalized intersection.

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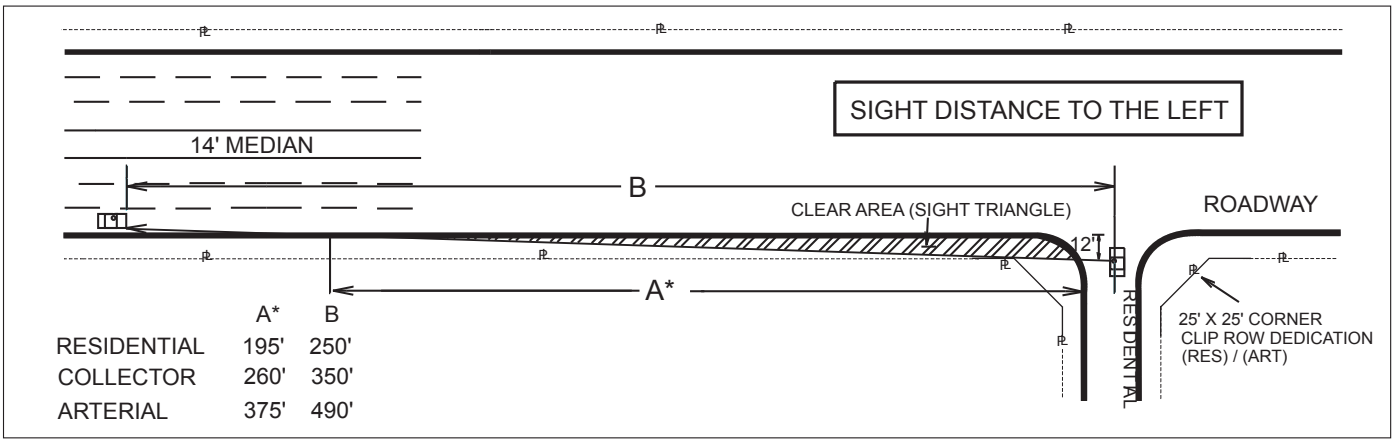
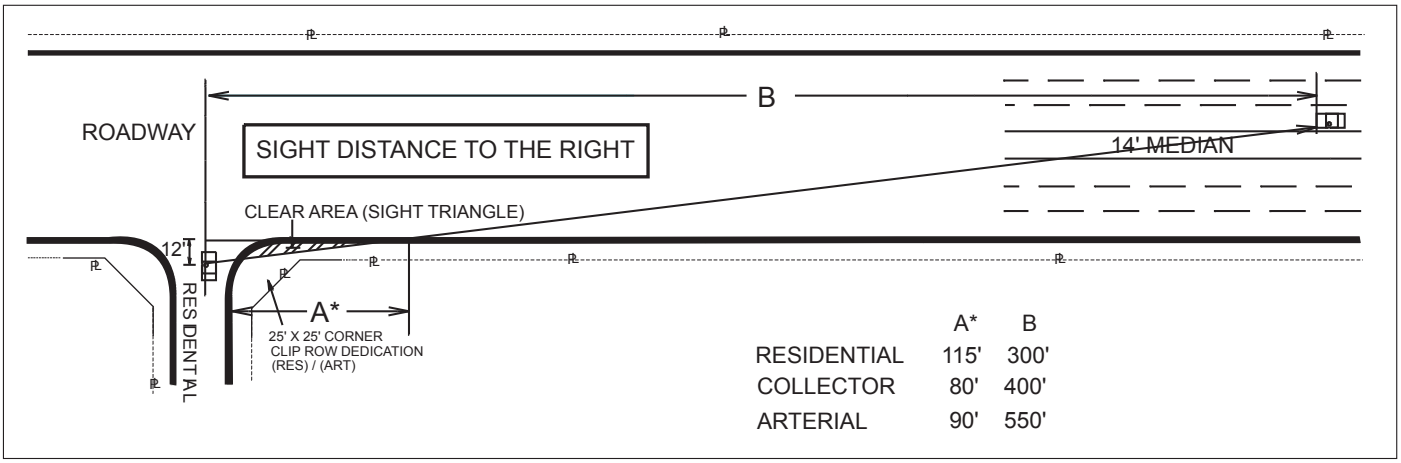
FILE: driveway locations.ai

* or as far away from intersection as possible

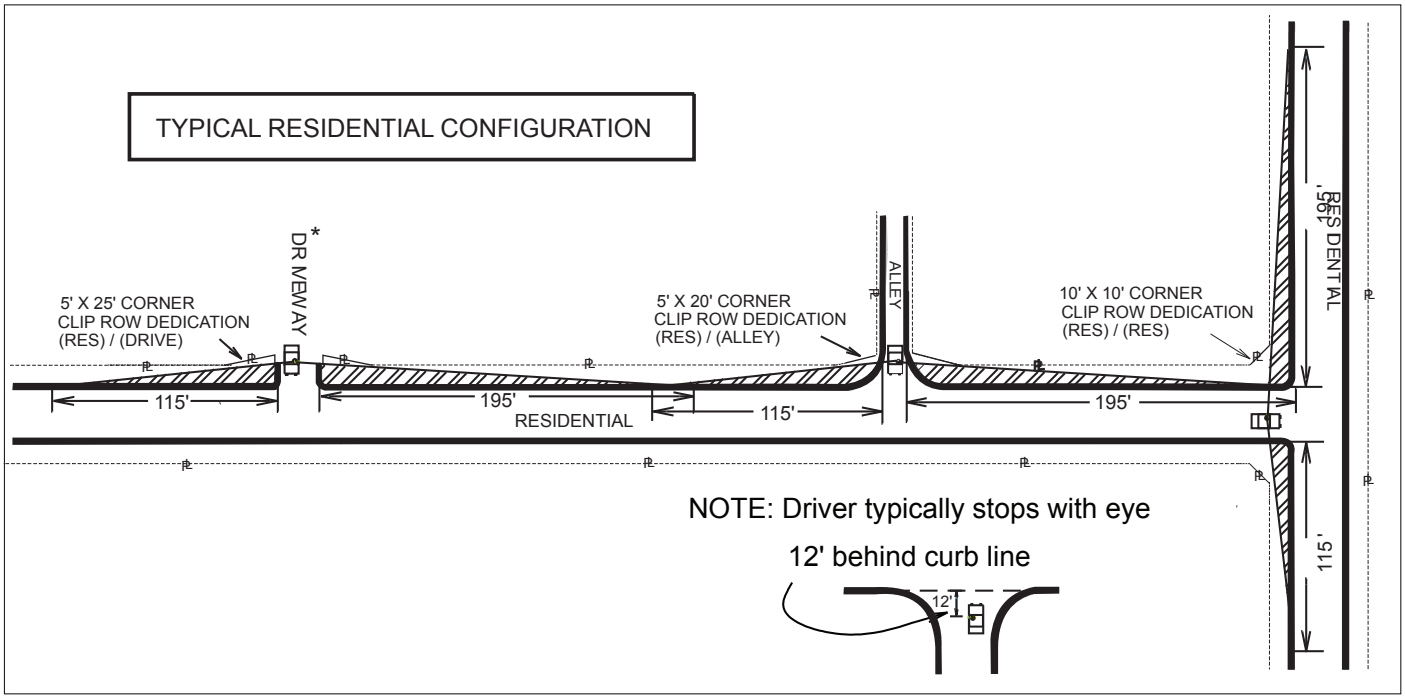
TYPICAL SIGHT TRIANGLE AND CORNER CLIP REQUIREMENTS



	A*	B
RESIDENTIAL	195'	250'
COLLECTOR	260'	350'
ARTERIAL	375'	490'



	A*	B
RESIDENTIAL	115'	300'
COLLECTOR	80'	400'
ARTERIAL	90'	550'



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.

SCALE:
1" = 100'

02/06/95

FILENAME: sight distance.ai