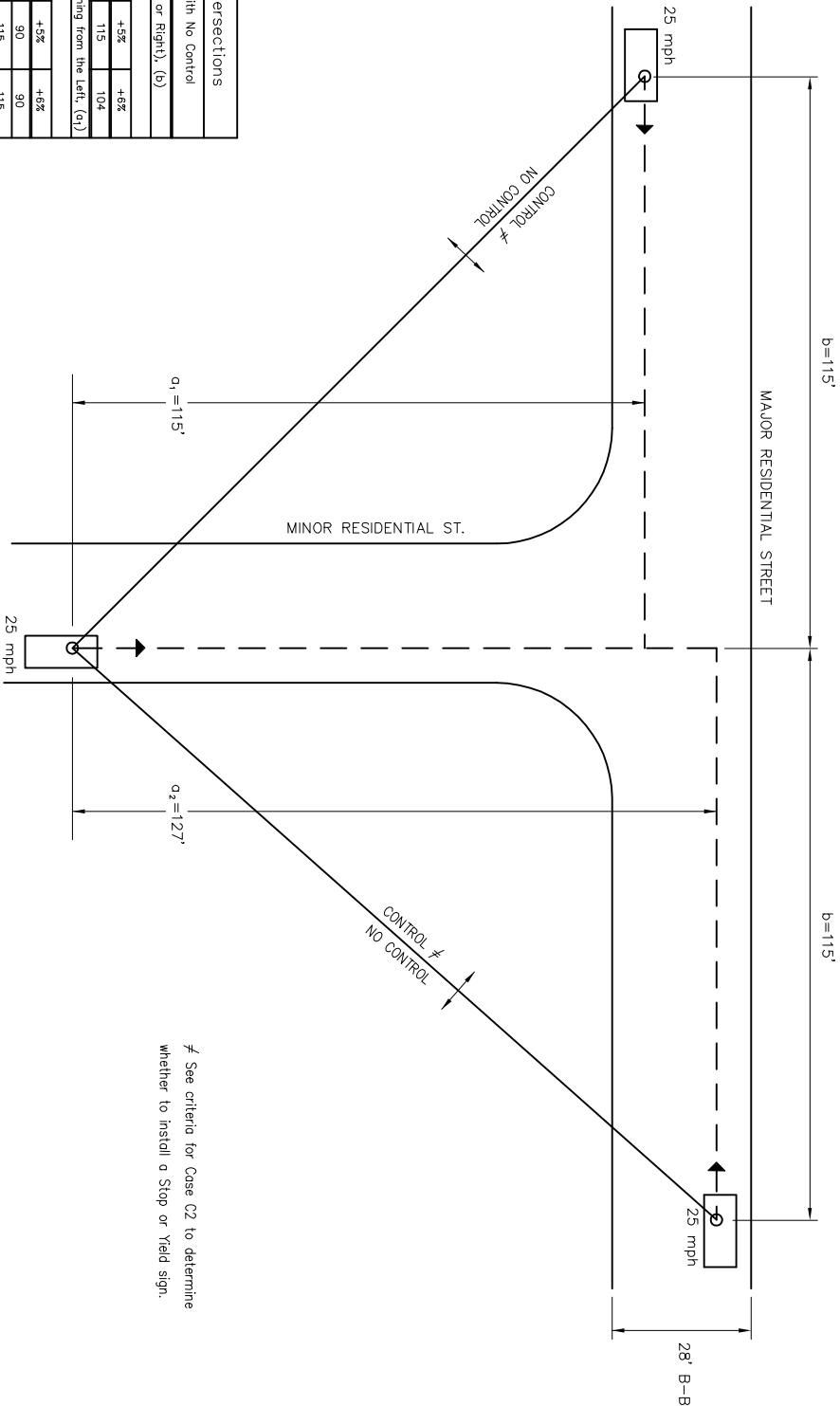


CITY OF OVERLAND PARK INTERSECTION CONTROL GUIDELINES FIELD PROCEDURE (28' WIDE STREETS ONLY)



≠ See criteria for Case C2 to determine whether to install a Stop or Yield sign.

Residential Street – Residential Street Intersections			
Design Intersection Sight Distance – Case A, Intersections with No Control			
Major Street Design Speed (mph)	Length of Triangle Leg Along Major Road (Left or Right), (b)	Approach Grade on Major Street	Approach Grade on Minor Street
25	127	-5% to +4%	+4%
20	99	-4% to +3%	+4%
15	71	-3% to +2%	+4%
Length of Triangle Leg Along Minor Road for Traffic Approaching from the Left, (a ₁)			
Minor Street Design Speed (mph)	Approach Grade on Minor Street	Approach Grade on Minor Street	Approach Grade on Minor Street
25	127	-5% to +4%	+4%
20	99	-4% to +3%	+4%
15	71	-3% to +2%	+4%
Length of Triangle Leg Along Minor Road for Traffic Approaching from the Right, (a ₂)			
Minor Street Design Speed (mph)	Approach Grade on Minor Street	Approach Grade on Minor Street	Approach Grade on Minor Street
25	127	-5% to +4%	+4%
20	99	-4% to +3%	+4%
15	71	-3% to +2%	+4%

RESIDENTIAL – RESIDENTIAL T-INTERSECTIONS
(Distances are based on -3% to +3% approach grades)

INTERSECTION SIGHT TRIANGLE DISTANCES
(CASE A – NO CONTROL)

q₂ = q₁ + W
Where:
W = width of lanes on the major street departing the intersection to the right it should include median width if present.
W = 12' based on 28' back to back Residential Street with 2' curbs and gutters.
Source: AASHTO – A Policy on Geometric Design of Highways and Streets, (6th edition, 2011)

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OVERLAND PARK
K A N S A S

ABOVE AND BEYOND, BY DESIGN.
DEPARTMENT OF PUBLIC WORKS

DESIGNED: BLM
DETAILS: WGS
CHECKED: WGS
APPROVED:

Warrant Investigation for
Stop/Yield Sign

LAST REVISED: 11/22/13
SCALE: 1" = 10'-0"
SHEET: 1 of 2