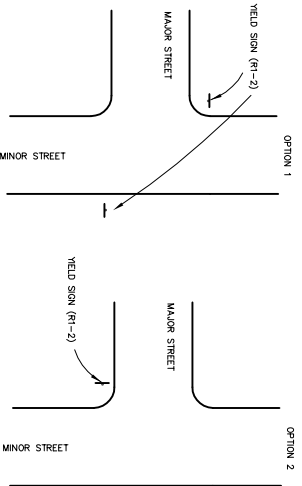
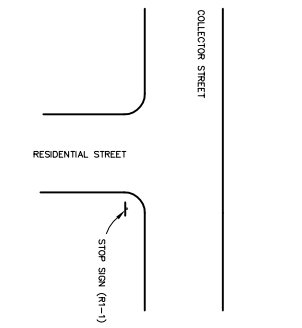


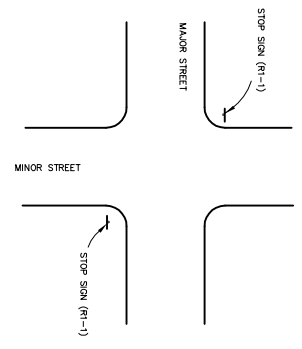
CITY OF OVERLAND PARK STOP SIGN AND YIELD SIGN GUIDELINES FOR RESIDENTIAL STREETS FIELD PROCEDURE (28' WIDE STREETS ONLY)



ROW ASSIGNMENT BASED ON DRIVER EXPECTATIONS

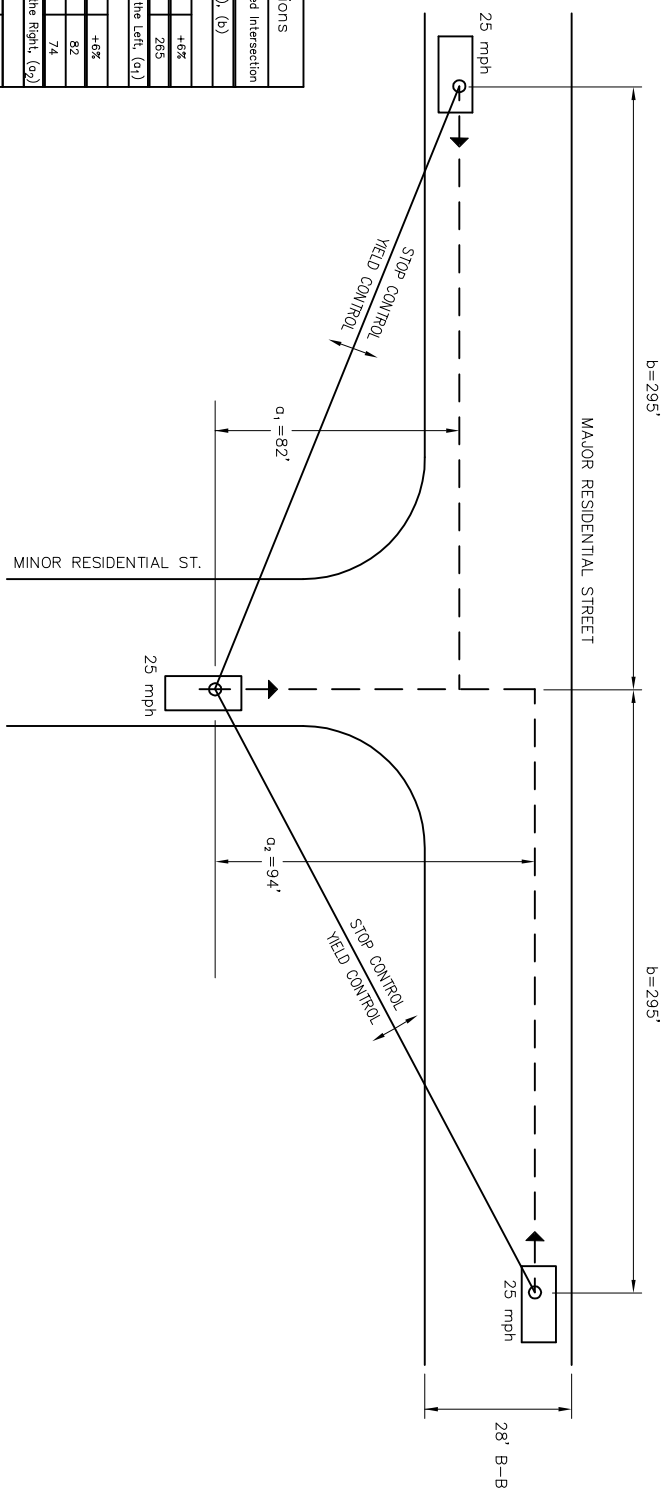


COLLECTOR RESIDENTIAL INTERSECTION



4-LEG INTERSECTION

Residential Street – Residential Street Intersections	
Design Intersection Sight Distance – Case C2, Left or Right Turn at Yield Controlled Intersection	
Major Street Design Speed (mph)	Length of Triangle Leg Along Major Road (Left or Right), (b)
25	325
20	295
15	265
Length of Triangle Leg Along Minor Road for Traffic Approaching from the Left, (a1)	
Major Street Design Speed (mph)	Approach Grade on Minor Street
20	-6% to +3%
25	-5% to +4%
Length of Triangle Leg Along Minor Road for Traffic Approaching from the Right, (a2)	
Minor Street Design Speed (mph)	Approach Grade on Minor Street
20	-6% to +3%
25	-5% to +4%
Length of Triangle Leg Along Major Road for Traffic Approaching from the Right, (b)	
Major Street Design Speed (mph)	Approach Grade on Major Street
20	-6% to +3%
25	-5% to +4%



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

INTERSECTION SIGHT TRIANGLE DISTANCES
(CASE C2 – LEFT OR RIGHT TURN AT YIELD CONTROLLED INTERSECTIONS)

Where:
 $a_1 = q_1 + W$
 $a_2 = q_2 + W$
 $b = 295'$
 $W =$ 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' curb and gutter.
 Source: AASHTO – A Policy on Geometric Design of Highways and Streets, (6th edition, 2011)

OVERLAND PARK
K A N S A S

DESIGNED BY: **BLW**
 CHECKED BY: **WJC**
 DATE: **11/22/13**

DEPARTMENT OF PUBLIC WORKS
Warrant Investigation for Stop/Yield Sign

SCALE: **1" = 10'**
 SHEET: **1 of 2**