



▨ - LIMITED USE AREA

- S = STOPPING SIGHT DISTANCE
 Y_L, Y_R = LEFT AND/OR RIGHT OBJECT POINT DRIVER MUST SEE
 X_L, X_R = POINT WHERE THE DRIVER'S EYE IS LOCATED
 X_L, X_R = DISTANCE FROM CL TO CENTER OF FURTHEST TRAVEL LANE TO ESTABLISH X_R
 • ON SINGLE LANE APPROACHES, $x=0$ AND $X_L = X_R$ (BOTH ON CL)
 • X_L ALWAYS ON CL
 Y_L = DISTANCE FROM CL TO OBJECT AT CENTER OF LAST (OR FURTHEST) TRAVEL LANE
 Y_R = DISTANCE FROM CL TO OBJECT AT CENTER OF NO. 1 TRAVEL LANE

| DESIGN SPEED (MPH) | S* | | |
|--------------------|-------|---------|-------|
| | Level | Down 3% | Up 3% |
| 25 | 155' | 160' | 150' |
| 30 | 200' | 205' | 200' |
| 35 | 250' | 260' | 240' |
| 40 | 305' | 315' | 290' |
| 45 | 360' | 380' | 345' |
| 50 | 425' | 450' | 405' |
| 55 | 495' | 520' | 470' |

* BASED ON AASHTO 2004 EDITION EXHIBITS 3-1 AND 3-2. ADJUST FOR OTHER GRADES AS NEEDED.

NOTES:

1. THE LIMITED USE AREA IS DETERMINED BY THE GRAPHICAL METHOD USING THE APPROPRIATE DISTANCES GIVEN IN THE TABLE. IT SHALL BE USED FOR THE PURPOSE OF PROHIBITING OR CLEARING OBSTRUCTIONS IN ORDER TO MAINTAIN ADEQUATE SIGHT DISTANCE AT INTERSECTIONS.
2. THE LINE OF SIGHT SHALL BE SHOWN AT INTERSECTIONS ON ALL LANDSCAPING PLANS, GRADING PLANS AND TENTATIVE TRACT MAPS WHERE SAFE SIGHT DISTANCE IS QUESTIONABLE. IN CASES WHERE AN INTERSECTION IS LOCATED ON A VERTICAL CURVE, A PROFILE OF THE SIGHT LINE MAY BE REQUIRED.
3. WALLS, SLOPES OR ANY OBSTRUCTIONS THAT COULD RESTRICT THE VIEW WITHIN THE LIMITED USE AREA WILL NOT BE PERMITTED.
4. THE LIMITED USE AREA SHALL BE AS LEVEL AS POSSIBLE YET MAINTAIN PROPER DRAINAGE.
5. PLANTS AND SHRUBS SHALL BE OF THE TYPE THAT WILL GROW NO HIGHER THAN 24 INCHES ABOVE THE GROUND WITHIN THE LIMITED USE AREA.
6. TREES WITHIN THE LIMITED USE AREA SHALL BE OF THE TYPE THAT GROW NO LARGER THAN 6 INCHES IN DIAMETER, TREE LIMBS SHALL BE A MINIMUM OF 6 FEET ABOVE THE GROUND AND TREE SPACING SHALL NOT CREATE A FENCE-LIKE EFFECT.



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|---|-------------|----|-------|------|
| APPROVED BY: | | | | |
| <i>John P. Sullivan</i> 24079 05/17/07 | | | | |
| JOHN P. SULLIVAN CITY ENGINEER RCE DATE | | | | |
| RECOMMENDED: | | | | |
| <i>Thomas A. Homan</i> 2013 05/17/07 | | | | |
| TRAFFIC/TRANSPORTATION MANAGER TE DATE | | | | |
| REV | DESCRIPTION | BY | APP'D | DATE |
| | | | | |

CITY OF ONTARIO

CORNER
SIGHT DISTANCE

STANDARD
DRAWING
NUMBER

1309