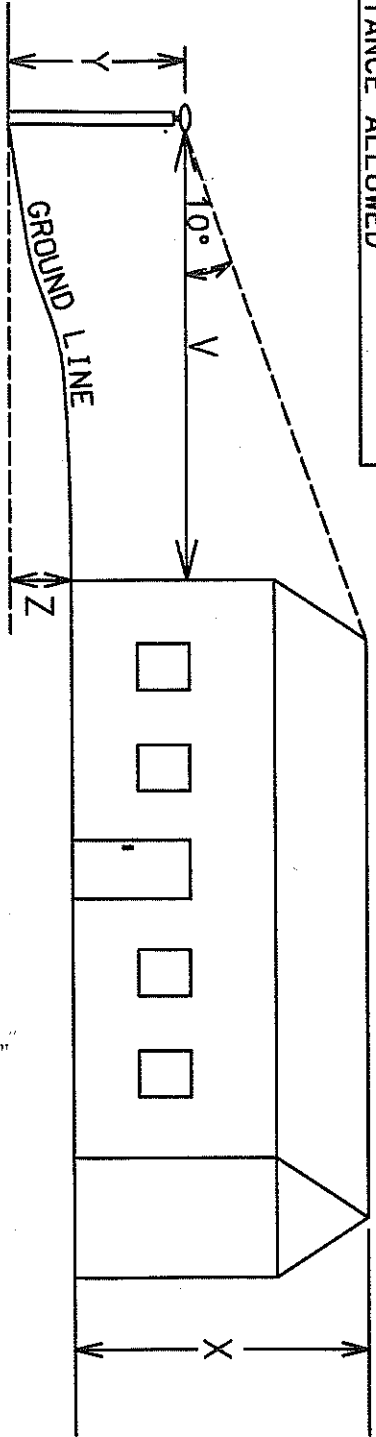


MINIMUM DISTANCE FROM BUILDINGS

KEY	
X	= HEIGHT OF BUILDING
Y	= HEIGHT OF ANTENNA
Z	= DIFFERENCE IN GROUND HEIGHT
V	= DISTANCE ALLOWED



$TAN(10^\circ) = \frac{\text{(HEIGHT OF BUILDING)} - \text{(HEIGHT OF ANTENNA)}}{\text{DISTANCE FROM MONUMENT TO BUILDING}}$

IF BASE OF MONUMENT IS LOWER THAN BASE OF BUILDING
 $V = \frac{X - (Y - Z)}{TAN(10^\circ)}$

IF BASE OF MONUMENT IS HIGHER THAN BASE OF BUILDING
 $V = \frac{X - (Y + Z)}{TAN(10^\circ)}$

10 DEGREE	
V	X-(Y-Z) OR X-(Y+Z)
FEET	FEET
25	5
50	9
75	13
100	18
125	22
150	27
175	31
200	35

THIS AREA SHOULD NOT BE CONSIDERED A CERTIFIED SECTION

DATE REVISIONS
 6/23/2011
 MO
 SHEET NO. 35

COUNTY
 JOB NO.
 CONTRACT NO.
 PROJECT NO.
 SURVEY NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)