



BRAMPTON
Flower City

brampton.ca

ANGLE OF INTERSECTION
BETWEEN 70° - 90°

ORIGINAL:
1993/11/10

**MINIMUM SIGHTLINE
REQUIREMENTS
FOR 8.0m, 8.5m, 10.0m
ROADWAYS**

APPROVED:
1993/11/10

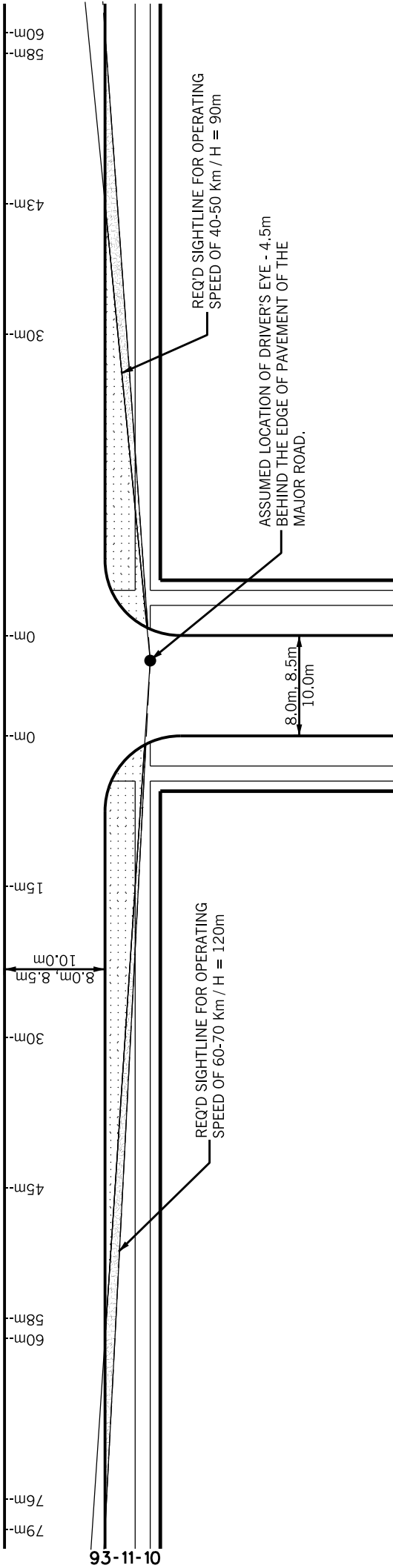
REV. 0

448

N.T.S

LEFT VIEW

RIGHT VIEW



NOTES:

1. SHADED AREAS REPRESENT CRITICAL SIGHT REQUIREMENTS & ARE NOT TO BE ENCROACHED UPON BY OBJECTS OF HEIGHT BETWEEN 914mm - 2.4m MEASURED FROM ROAD GRADE

2. [Dotted pattern] CORRESPONDS TO THE 90m SIGHT REQUIREMENT.

3. [Shaded pattern] ADDED TO THE ABOVE CORRESPONDS TO THE 120m SIGHT REQUIREMENT

4. THE REQUIRED OFFSET (P) FROM CURB LINE FOR ANY DISTANCE (E) MEASURED FROM THE INTERSECTION CAN BE CALCULATED BY: $P = S_x (T_x + D_x - E)$

4b. THE REQUIRED DISTANCE (E) MEASURED FROM THE INTERSECTION FOR ANY OFFSET (P) CAN BE CALCULATED BY: $E = T_x + D_x - P/S_x$

S_1 = SLOPE OF LEFT VIEW 90m SIGHT LINE = 0.08
 S_2 = SLOPE OF LEFT VIEW 120m SIGHT LINE = 0.06
 S_3 = SLOPE OF RIGHT VIEW 90m SIGHT LINE = 0.11
 S_4 = SLOPE OF RIGHT VIEW 120m SIGHT LINE = 0.08

T_1 = 58m
 T_2 = 79m
 T_3 = 43m
 T_4 = 58m

D_1 = 6.7m
 D_2 = 6.7m
 D_3 = 1.8m
 D_4 = 1.8m

WHERE: P = OFFSET FROM CURB LINE.
 E = DISTANCE OF PROPOSED INSTALLATION FROM 0m POSITION.
 S_x = SLOPE OF APPROPRIATE SIGHT LINE.
 T_x = DISTANCE FROM THE 0m POSITION TO THE INTERSECTION POINT OF THE APPROPRIATE SIGHTLINE & CURB LINE.
 D_x = CORRECTION FACTOR BETWEEN 0m POSITION & DRIVERS EYE.

ALL DIMENSIONS IN mm UNLESS OTHERWISE NOTED