90% CAR
SWEPT PATH DESIGN

DESIGN VEHICLE DIMENSIONS

SCALE IN METRES

NOTES: 1. Minimum recommended clearance for both sides of vehicle: 600mm.
SWEEP PATH DESIGN
MINIMUM TRUCK

SWEEP PATH
8m Rigid Truck

NOTES:
1. Minimum recommended clearance for both sides of vehicle: 800mm.

TRANSPORTATION
SCALE IN METRES
Vehicle width = 2.50m
INTERSECTION SIGNS DISTANCES

DISTANCE FROM INTERSECTION

1. Designated in dimensions shown may be possible through application to

2. When there are two or more railroads, the 7.5 meter sight line applies

Shaded area to be kept free of building or other obstructions which might block sight lines.

PROTECTION OF TRAFFIC SIGNAL LINES
**TABLE A**

<table>
<thead>
<tr>
<th>Speed (mph)</th>
<th>Sight Distance (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>120</td>
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<tr>
<td>30</td>
<td>110</td>
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<td>40</td>
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<tr>
<td>110</td>
<td></td>
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<tr>
<td>120</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**

1. For approach gradients >2%, ensure to adjust speeds and sight distances.
2. Sight distances shall be measured along the centerline of the roadway or edge of the shoulder.
3. Where a sight distance is obstructed (e.g., by trees, fences, or other obstructions), the sight distance shall be measured as shown in Figure 4.0.
4. The sight distance shall be measured from the edge of the roadway to the edge of the shoulder.
5. The sight distance shall not be less than the minimum sight distance specified in Table A.
6. All grades shall be measured to the nearest 0.1 ft.

**REFERENCES:**

- Street and Highway Designers' Handbook (5th ed.)
- Transportation Engineering (4th ed.)
- Federal Highway Administration (FHWA) guidelines

**DEVELOPMENT CODE:**

- W415

**FIGURE 4.0**

- Diagram showing sight distance and roadway layout.

**FIGURE 1**

- Diagram showing roadway layout and sight distance.

**Figure 2**

- Diagram showing roadway layout and sight distance.

**Figure 3**

- Diagram showing roadway layout and sight distance.

**Figure 4**

- Diagram showing roadway layout and sight distance.

**Figure 5**

- Diagram showing roadway layout and sight distance.

**Figure 6**

- Diagram showing roadway layout and sight distance.

**Figure 7**

- Diagram showing roadway layout and sight distance.

**Figure 8**

- Diagram showing roadway layout and sight distance.

**Figure 9**

- Diagram showing roadway layout and sight distance.

**Figure 10**

- Diagram showing roadway layout and sight distance.
NOTES:
1. A concrete pedestrian path, shared use path or recreational trail shall be on one side of the road, where required by Council.
2. Plan kerb and barrier allowable in special circumstances.

SECTION 1
Variety
Cartwage
Way cross fall permitted

Variety
2.5% min
3.0% max

2 coat bitumen
cell designed
pavement depth

SECTION 2
Variety
One way crossfall only

Variety
2.5% min
3.0% max

Alternate kerb profile.
Refer to note 2

Optional concrete path or recreational trail. Refer note 4.

Special circumstances only - 8 lots absolute maximum
CARRIAGeway TRENCH REInstALEMENT

SERVICE TRENCH IN CARRIAGeway

1. Arterial and collector roads - specify design aesthetic
2. Connect to single-cell water polishing walls

Existing paving

Existing pavement

300mm minimum to bridge footing

Pipe bedding material

Pipe depth, if drain is required (depth to suit building piping or drainage)

PAVEMENT LAYER

50

Varying depth

ACCOncurrence with TIN data

- Use specific design
- Local roads - see minimum of 750mm

TRANSPORTATION