



Notes to Carriageway Sight Lines

Access onto Swain Road, C-Road, (U5RN1301691)

With reference to KCC Vehicle Crossing Guidance and Self-Assessment and Kent Design Guide REview: Interim Guidance Note 2

Minimum distance requirement to junction - 10m
Actual distance to junction - 25.6m

30mph Local Access road sight line distance requirement - 43m
Achievable sight line distance of 43m to the North is identified on the drawing.

Achievable sight line distance to South - 25.6m
This distance is less than the required sight line distance of 43m
The sight line distance is defined by the distance from the proposed access to the junction of Swain Road and the A28. Swain Road is a C-class road joining an A-class road via a 'T' junction. Traffic entering Swain road from the A28 will be traveling at slow speed having turned 90 degrees either left or right to enter the junction. It is considered highly unlikely that vehicles will be traveling at 30mph at entry into Swain Road, and therefore consideration to a lesser sight line distance is appropriate.

Assuming a vehicle speed of up to 10mph on entry into Swain Road, from the Stopping Distance Guidance Table it is identified that a sight line distance of 11m is appropriate. This distance is well within the 25.6m that is identified on the drawing.

It must be assumed that a vehicle entering Swain Road will accelerate away from the junction. Calculations based upon a typical acceleration of 4m/s² and starting from 10mph, suggest that a distance of at least 20m is required to reach the 30mph speed limit of Swain Road. A vehicle therefore has a theoretical potential to be passing the proposed access at 30mph, but at the limit of the available sight line distance (ie the junction line), a vehicle is likely to be traveling significantly slower, and well within sight requirements of the guidance.

If the figures provided in the Stopping Distance Guidance Table are extrapolated in reverse, it is noted that for a sight line distance of 10.5m, a vehicle would need to be traveling in excess of 17mph in order to compromise the visibility and reaction times in relation to the proposed highway access.

Legend

- KCC Extent of publicly maintainable highway
- Sight lines

Rev2 120226: Refuse store location amended
Rev1 090126: Visibility line adjusted
Revisions:

Client: Sanroque Kent Ltd
Address: Shop Around The Clock, Ashford Road, St Michaels, Tenterden TN30 6BT

Job: Development Potential of Kenmure and Store, St Michaels TN30 6PR

Title: Proposed vehicle tracking and Highway Sightlines

Scale: 1:200

Date: September 2025
Drawn by:
Issue:

Drawing Number: 2264-B D05 rev 2
(Original size: A1)

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