



Site area 616m²

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Rev	Date	Description	By
#	#	#	SAH

Stopping Sight Distance - MfS Calculation

$SSD = vt + v^2 / 2d$

v = vehicle speed (m/s)
t = driver reaction time (seconds)
d = deceleration (m/s ²)

Speed of vehicles MPH	24.9	(Enter your vehicle speeds above)	
Metres per second (v)	11.13099		
Driver perception / reaction (t)	1.5	seconds	
Deceleration m/s (d)	0.45	g	4.41 m/s sq.

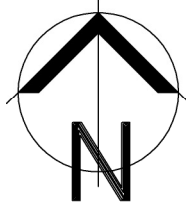
Stopping Sight Distance (SSD)	30.73	metres
(Including Bonnet adjustment)	33.13	metres

NOTE: The DMRB standards are based on a driver perception-reaction time of 2 seconds as oppose to MfS' 1.5 seconds above and a deceleration rate of 2.45 m/s sq.(0.25g). which are more typical of snow covered roads. Gradients affect deceleration rates, a 10% gradient will increase (or decrease) the rate by around 0.1g

Legend

A = 2, 4m x 31m Visplay

B = Visability to adjacent junction



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Project
Entrance Land
Crofters Vale Park
Main Street
Barlestone
Client
Crofters Vale Park

Drawing
Proposed Site Visplay Plan

Drg No: 07 2102-3 Rev A

Scale 1:200 @A2 Date 27/07/23

