



RELEVANT GEOMETRICAL DESIGN STANDARDS
(DMRB TD 42/95 GEOMETRIC DESIGN OF MAJOR / MINOR PRIORITY JUNCTIONS)

Paragraph	Description	Standard	Achieved	Comments
TD 42/95 - 7.6a	Minor road to Major road visibility	Approaching drivers shall have unobstructed visibility at the junction from a distance corresponding to the SSD for the design speed of the minor road,	Yes	
TD 42/95 - 7.6b	Minor road to Major road visibility	From a point 15m back along the centreline of the minor road an approaching driver shall be able to see clearly the junction form, and those peripheral elements of the junction layout.	Yes	
TD 42/95 - 7.6c	Visibility	2.4m x 70m based on 50kph design speed	Yes	In excess of 70m visibility from a 2.4m x-distance is achievable
TD 42/95 - 7.14	Design Vehicle	Allowance shall be made for the swept turning paths of long vehicles where they can reasonably be expected to use a junction.	Yes	The junction has been designed for a 16.5m articulated HGV
TD 42/95 - 7.17	Corner Radii	Where no provision is made for large goods vehicles, the minimum corner radius at simple junctions should be 6m in urban areas and 10m in rural areas.	Yes	
TD 42/95 - 7.20	Through Lanes	No greater than 3.65m wide but no less than 3m wide	Yes	
TD 42/95 - 7.30	Tapers for Ghost Island	1:20 Taper based on 40mph design speed	Yes	
TD 42/95 - 7.32	Turning Length	10m	No	
TD 42/95 - 7.34	Direct taper length	5m based on 50kph design speed	Yes	
TD 42/95 - 7.40	Deceleration Length	25m based on 50kph design speed	Yes	Length 26.5m
TD 42/95 - 7.35	Ghost island widths	For new junctions, desirable width of a ghost island turning lane shall be 3.5m. Relaxation to 3.0m is permissible	Yes	Right turn lane width 3.0m, through lanes 3.3m

SCP
 Transportation Planning : Infrastructure Design
 31 Southampton Row, London, WC1B 5HJ, Tel 020 3376 6660
 www.scptransport.co.uk, Email info@scptransport.co.uk

Project Title
LIDL, GROVE ROAD, GROVE

Drawing Title
PROPOSED SEPARATE GHOST-ISLAND RIGHT TURN ARRANGEMENT INTO LIDL SITE

Scale
1:500 @ A3

Date
07.11.2018

Approved/Unapproved
-

By
JRB

Checked
JRB

Status
PLANNING

Drawing No.
SCP/18114/SK12

Revision
H