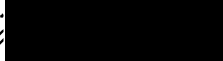


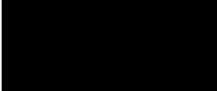




CHURCH PLACE, LYDIARD MILLICENT, SWINDON
Proposed Residential Development
Stage 1 Road Safety Audit

Mark Doodes Planning
4th March 2018

QUALITY MANAGEMENT

Revision	Date	Description	Prepared By	Checked by
0	4 th March 2018	Draft Report	Ian Gittens 	Tim Sterling 
1	7 th March 2018	Draft Report	Ian Gittens 	Tim Sterling 

Project No: 82-RSA-Stage 1 Lydiard Millicent Swindon

CHURCH PLACE LYDIARD MILLICENT SWINDON

Proposed Residential Development

Stage 1 Road Safety Audit

Date: 4th March 2018

Client:

Mark Doodes Planning

Prepared By:

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Table of Contents

1. Introduction	5
2 Items Outstanding from Previous Road Safety Audits.....	9
3 Items Resulting from the Stage 1 Road Safety Audit	10
4 Audit Team Statement.....	12
Appendix A: Documents Submitted to the Road Safety Audit Team	13
Appendix B: Drawings	14

1. Introduction

- 1.1.1 This report results from a Stage 1 Road Safety Audit carried out for the proposed development of nine residential units with car parking on land adjacent to the junction of Church Place and The Street, Lydiard Millicent, Swindon.
- 1.1.2 The proposed development involves constructing nine residential dwellings consisting of 2 x two-bedroom houses, 3 x three-bedroom houses and 4 x four-bedroom houses. There will be parking available on the development for 24 spaces (2 car parking spaces for each two and three-bedroom dwellings, 3 spaces for the four-bedroom dwellings and 2 visitor spaces).
- 1.1.3 The report highlights each of the problems identified for the proposed scheme together with recommendations to solve or mitigate the problems. It also includes the Road Safety Audit Team Statement and a schedule of documents reviewed.
- 1.1.4 The Road Safety Audit was carried out by two experienced Road Safety Engineers, employed by Ian Gittens Consultancy Limited, who have not been involved with the design process.
- 1.1.5 The members of the Road Safety Audit Team were:

Ian Gittens, CEng, BEng (Hons), MICE, MCIHT, MSoRSA

(Certificate of Competency in Road Safety Audit gained in May 2015)

Road Safety Audit Team Leader (Director, Ian Gittens Consultancy Limited)

Tim Sterling, BEng, DMS, PGCE, MCIHT, MSoRSA

Road Safety Audit Team Member (Principal Consultant and Partner, Sterling Road Safety LLP)

- 1.1.6 The Road Safety Audit comprised of an examination of the documents provided by HVJ Transport Limited which are listed in Appendix A.
- 1.1.7 In addition to examining the documents supplied, the Road Safety Audit Team visited the site on Monday 26th February 2018. The audit was undertaken between the hours of 12:30 and 13:15. The weather conditions during the site visit were dry and cold. Traffic flows were high with pedestrian and cycle flows low during the site visit.
- 1.1.8 The Terms of Reference for the Road Safety Audit are as described in the Road Safety Audit Standard HD 19/15 in Highway England's Design Manual for Roads and Bridges (DMRB). The advice issued in the DMRB applies to trunk roads and motorway highway improvement schemes; however, it has been used in this report to define the scope of this audit. Problems identified in this report are considered by the

Road Safety Audit Team to improve the safety of the scheme and to minimise accident risks for all users.

- 1.1.9 The team examined and reported only on the road safety implications of the scheme as presented and has not specifically examined or verified the compliance of the design. No attempt has been made to comment on the justification of the scheme or to carry out a technical/design standards check on it. Consequently, the Road Safety Auditors accepts no responsibility for the design or construction of the scheme.
- 1.1.10 Matters which the Terms of Reference exclude from this report but which the Road Safety Audit Team wishes to draw to the attention of the Project Sponsor, will be supplied in separate correspondence to this Road Safety Audit report.
- 1.1.11 All road safety problems are referenced to the design drawings and their locations have been identified on the plans supplied in Appendix B.

1.2 Departure from Standards

- 1.2.1 No Departure from Standards have been notified to the Road Safety Audit Team.

1.3. Scheme Description

- 1.3.1 The proposed scheme involves building nine dwellings consisting of 2 x two-bedroom houses, 3 x three-bedroom houses and 4 x four-bedroom houses on an area of land located on the southern side of the junction of Church Place and The Street in Lydiard Millicent, Swindon.
- 1.3.2 The site access for the new development will involve the construction of an additional leg on the southern side of the existing three arm mini-roundabout at the junction of Church Place and The Street (See Figure No 1).



Figure No 1 - Location Plan (map provided by Google Maps)

1.4. Site Description

- 1.4.1 Church Place junction with The Street is a three-arm mini-roundabout with a 30-mph speed limit. Church Place (western arm) is a two-way road with one-way priority traffic calming with road narrowing. There are double yellow lines on the northern side of the road between the bus stop and the mini roundabout junction and a footpath on the southern side of the road opposite the church.
- 1.4.2 The northern arm of Church Place is a two-way road with a footpath on the eastern side of the road.
- 1.4.3 The Street (eastern arm) is a two-way single carriageway with a footpath on the south-western side of the road.
- 1.4.4 The new development will involve constructing a fourth arm on the existing three-arm mini-roundabout at the junction.
- 1.4.5 A system of street lighting is present but was not observed as the Road Safety Audit was not undertaken during the hours of darkness.

1.5 Change in Vehicle Peak Hour Trips

- 1.5.1 Table No 1 below shows the number of vehicle AM and PM peak-hour trips that will be generated from the new development. The new development will generate around 4 additional trips for the proposed use in the AM and PM Peak hour with approximately 40 extra movements (trip generation rate) over a 12-hour period from 7:00am to 7:00pm.

LAND USE	DEVELOPABLE AREA	FORECAST TRIP GENERATION					
		Trip Rate Per Dwelling			Total Trips		
Dwellings privately owned	Dwellings privately owned	Arr.	Dep.	Total	Arr.	Dep.	Total
AM Peak							
08.00-09.00	9no	0.137	0.305	0.442	1.233	2.745	3.978
PM Peak							
17.00-18.00	9no	0.304	0.151	0.455	2.736	1.359	4.095
07.00-19.00	9no	2.178	2.234	4.412	19.602	20.106	39.708

Table No 1 (provided by HVJ Transport Limited – Transport Assessment)

1.6 Collision Data

- 1.6.1 Collision Data was obtained from the CRASHMAP website. There has been one recorded collision at The Street and Church Place mini-roundabout junction in the last five years from 2013 to 2018.
- 1.6.2 The collision occurred on the 16th November 2015 and involved a slight injury to a pedal cyclist travelling straight ahead colliding with a lorry turning right. The collision occurred in the dark and the road surface was wet.


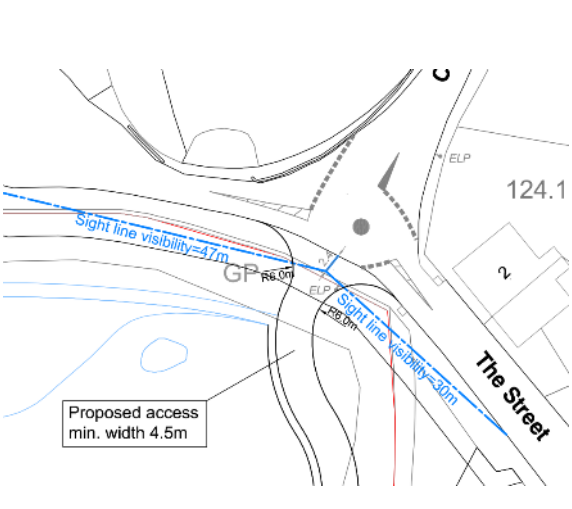
2 Items Outstanding from Previous Road Safety Audits

- 2.1.1 The Road Safety Auditors have not been provided with copies of any previous stage Road Safety Audits or Exception Reports for the proposed scheme.

3 Items Resulting from the Stage 1 Road Safety Audit

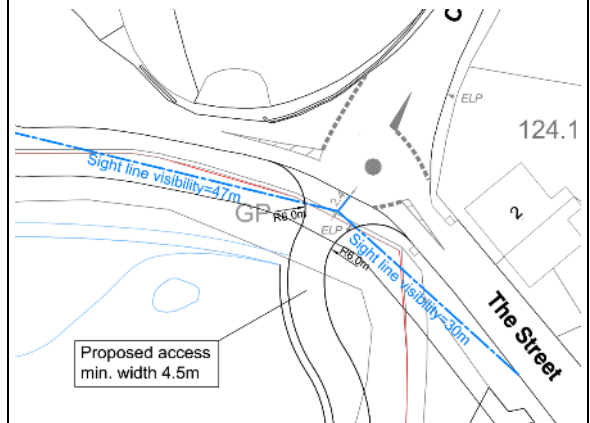
3.1.1 The following problems have been identified from the documents submitted:

NON-MOTORISED USERS:

Problem:	3.1	 
Location:	Church Place/The Street mini roundabout	
Drawing:	Drawing No 1	
Summary:	No pedestrian crossing facilities have been provided across the proposed site access for the new development.	
		<p>Description:</p> <p>There are no pedestrian crossing facilities across the proposed site access at Church Place junction with The Street. This could lead to pedestrians particularly the blind, disabled and people with pushchairs crossing the entrance and coming into conflict with on-coming vehicles.</p> <p>Recommendation:</p> <p>It is recommended that tactile paving should be introduced across the proposed site access to warn pedestrians of vehicles. A Dropped crossing should also be introduced at the proposed access to help pedestrians cross the road safely.</p>

JUNCTIONS:

Problem:	3.2
Location:	Church Place/The Street mini roundabout
Drawing:	Drawing No 1
Summary:	Sight distance to the east is below the minimum sight distance standard



Description:

The sight distance to the east (right) of the proposed access shows a sightline of 30m which is below the recommended minimum sight distance of 43m (Manual for Streets). This could lead to vehicles pulling out of the proposed access coming into conflict with on-coming vehicles due to reduced visibility.



Recommendation:

It is recommended that a sight line of at least 43m is obtained by cutting back further vegetation within the sightlines to the east of the proposed access. New Road Layout Ahead signs should be erected on the approaches to the mini-roundabout. A map type sign should be erected on the approaches to the roundabout to warn drivers of the new access.

It is also recommended that consideration be given to using the existing field gate entrance in Church Place as an alternative proposed access location from the development to improve visibility.

4 Audit Team Statement

We certify that this Road Safety Audit has been carried out in accordance with HD 19/15.

ROAD SAFETY AUDIT TEAM LEADER

Ian Gittens

Director
Ian Gittens Consultancy Limited

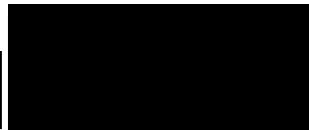
..... Signed

4th March 2018
.....Date

ROAD SAFETY AUDIT TEAM MEMBER

Tim Sterling

Consultant
Sterling Road Safety LLP

..... Signed

4th March 2018
.....Date

Enquiries regarding this Road Safety Audit should be made to:

Ian Gittens

Director

Ian Gittens Consultancy Limited



Email address: iangittens@iangittensconsultancy.com

Appendix A: Documents Submitted to the Road Safety Audit Team

The following documents were submitted as part of the Road Safety Audit:

Document No.	Rev.	Description	Date
P640-01		Proposed Residential Development Church Place, Lydiard Millicent (PDF)	July 2017
P640-01		Proposed Residential Development Church Place, Lydiard Millicent (DWG Drawing)	July 2017
P640	-	Transport Assessment Proposed New Development – Land at Church Place and The Street Lydiard Millicent, Swindon on behalf of Mark Doodes Planning	Sept 2017
-	-	Lydiard Locality – Location Plan	-

Appendix B: Drawings

