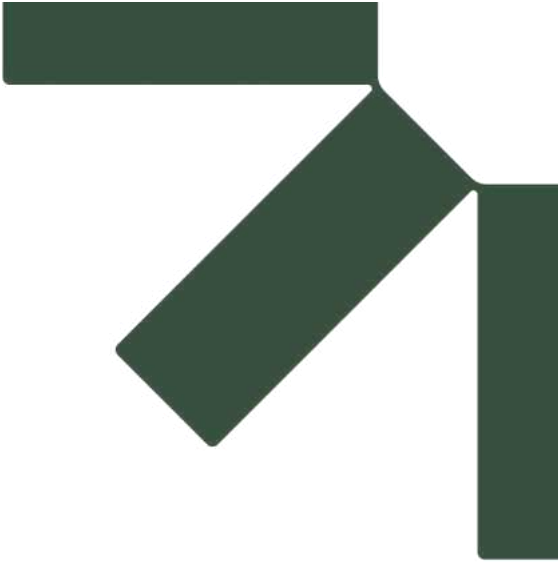




Appendix M Stage 1 RSA & Designers Response

Transport Assessment Addendum

Land at Chapel Lane, Widnes

Taylor Wimpey

SLR Project No.: 425.001279.00001

12 December 2024



Stage 1 Road Safety Audit Addendum

Chapel Lane, Halton

Taylor Wimpey

Prepared by:

SLR Consulting Limited

Ground Floor Belmont House , Churchill Way, Cardiff,
CF10 2HE

SLR Project No.: 425.001279.00001

Client Reference No: XXXX

8 October 2024

Revision: 01

Revision Record

Revision	Date	Prepared By	Checked By	Authorised By
01	8 October 2024	Alastair Pike	Wing Lee	Alastair Pike
	Click to enter a date.			
	Click to enter a date.			
	Click to enter a date.			
	Click to enter a date.			

Basis of Report

This document has been prepared by SLR Consulting Limited (SLR) with reasonable skill, care and diligence, and taking account of the timescales and resources devoted to it by agreement with Taylor Wimpey (the Client) as part or all of the services it has been appointed by the Client to carry out. It is subject to the terms and conditions of that appointment.

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Appendices

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Appendix B	Submitted Documents
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Acronyms and Abbreviations

RSA	Road Safety Audit
SRA	Safety Risk Assessment
DMRB	Design Manual for Roads and Bridges
MfS	Manual for Streets
PIC	Personal Injury Collisions
DfS	Departures from Standards
SPA	Swept Path Analysis
HGV	Heavy Goods Vehicle
VRS	Vehicle Restraint System



1.0 Introduction

- 1.1 This report results from a Stage 1 Road Safety Audit Addendum carried out on Tuesday 8th October 2024. The RSA was carried out on behalf of Taylor Wimpey. The Overseeing Organisation for this Stage 1 RSA is Halton Borough Council.
- 1.2 An Audit Brief was prepared by Sasha Respini of SLR Consulting Ltd on 25th July 2024. January 2024 and by the RSA team on the same date.
- 1.3 This Road Safety Audit team was as follows:
- Alastair pike, MICE, MCIHT, MSoRSA, HE Approved Cert. Comp.
Audit Team Leader
Head of Road Safety
SLR Consulting Ltd
- Wing lee, BEng (hons), PGCert, MCIHT, MIHE, HE Approved Cert. Comp.
Audit Team Member
Director
Grange Transport Consulting
- 1.4 A site visit was previously undertaken by the Audit Team on Thursday 2nd May 2024, between the hours of 11.00pm and 12.00pm. The weather at the time of the visit was overcast and the carriageway surface was dry. Vehicular traffic levels were considered to be low. There were no pedestrian nor cyclist movements observed during this time. A secondary site visit for the purposes of this addendum was deemed unnecessary by the RSA team at this time.
- 1.5 A site location plan can be found at **Appendix A** of this report.
- 1.6 The terms of reference of the Road Safety Audit are as described in the Design Manual for Roads and Bridges (DMRB) Standard, GG119 Road Safety Audit.
- 1.7 The Audit Team has examined and reported only on the road safety implications of the scheme as presented and has not examined or verified the compliance of the designs to any other criteria. However, to clearly explain a safety problem or the recommendation to resolve a problem the Audit Team may, on occasion, have referred to a design standard without touching on technical audit.
- 1.8 A table of documents submitted for this Stage 1 RSA can be found in **Appendix B**
- 1.9 The scheme subject to Stage 1 RSA seeks to create a primary site access junction serving a proposed residential development. The access junction is to be arranged as a priority controlled 'T' junction with a shared use cycleway / footway on the north eastern side of the junction. An additional emergency access junction will be provided to the west of the primary site access junction.



Departures from Standards

- 1.10 The Audit Brief states that there are no DfS required have been informed of a series of DfS relating to the original highway design from the RSA Brief document. These are summarised as follows;



2.0 Matters arising from this Stage 1 RSA.

Drawing No. 216175_PD100 REV A - Proposed Simple Priority Junction

2.1 Problem.

Location: General.

Summary: Lack of warning signage may lead to injudicious vehicle movements at the junction potentially causing side swipe / shunt type collisions.

Design drawings do not show any new road layout ahead signage or warning to alert approaching drivers to the presence of the proposed access junction. Failure to provide signage of this type may lead to drivers not assimilating the junction in time potentially leading to side swipe / shunt type collisions.

Recommendation

It is recommended that the appropriate signage is provided on approach to the junction from both directions.

2.2 Problem.

Location: Southbound lane adjacent to proposed access junction.

Summary: Lack of merge facility for cyclists may lead to cyclists crossing the minor arm of the junction injudiciously potentially leading to collisions between cyclists and vehicular traffic.

Design drawings do not show a means for southbound cyclists on the major arm to access the internal shared use cycleway / footway facility provided within the site. This arrangement may lead to southbound cyclists on the major arm entering the site access junction and crossing diagonally to the new shared use facility to continue their journey. This arrangement may lead to injurious crossing movements potentially causing collisions between cyclists and vehicular traffic.

Recommendation

It is recommended that an appropriate merge dropped kerb for cyclists be provided on the northern side of the junction, that would allow cyclists to travel into the site and cross perpendicular into the proposed cycle off slip on the southern side.



2.3 Problem.

Location: Emergency access junction.

Summary: Lack of tactile paving across access junction may lead to collisions between vehicular traffic and pedestrians.

Design drawings show an emergency access junction to the north of Chapel Lane is to be constructed with a bellmouth type arrangement. Dropped kerbs will be required to facilitate access and these will in turn require the appropriate tactile paving installations to ensure pedestrians particularly those with visual impairments are aware of the need to cross the access. Failure to provide the appropriate tactile paving may lead to pedestrians entering the vehicular carriageway at risk of collisions between vehicular traffic and pedestrians.

Recommendation

It is recommended that the appropriate tactile paving facilities are provided at the emergency access junction.



3.0 Audit Team Statement

- 3.1 We certify that this Audit has been carried out in accordance with the requirements of GG119.

Road Safety Audit Team Leader

Name: Alastair Pike

Signed:



Position: Head of Road Safety

Organisation: SLR Consulting Ltd

Date: 8 October 2024

Road Safety Audit Team Member

Name: Wing Lee

Signed:

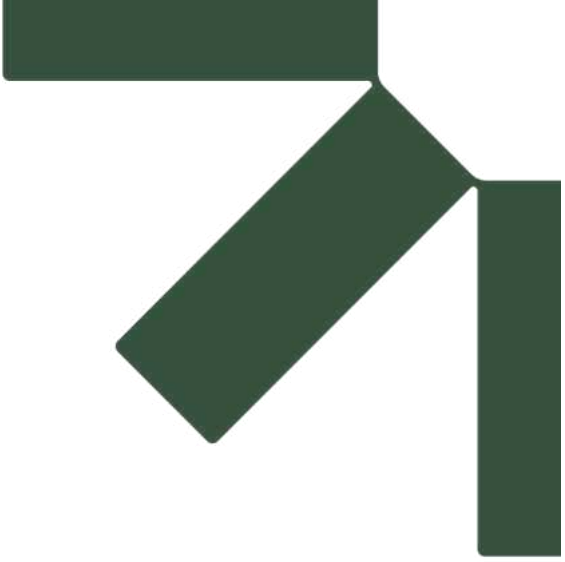


Position: Consultant

Organisation: Independent Road Safety Consultant

Date: 8 October 2024





Appendix A Site Location Plan

Stage 1 Road Safety Audit Addendum

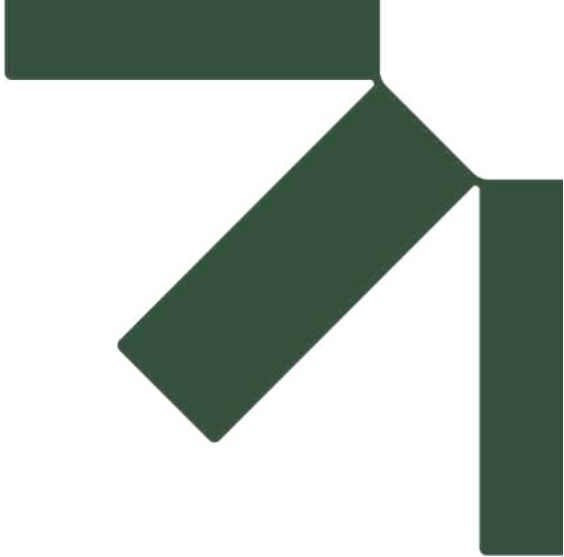
Chapel Lane, Halton

Taylor Wimpey

SLR Project No.: 425.001279.00001

8 October 2024





Appendix B Submitted Documents

Stage 1 Road Safety Audit Addendum

Chapel Lane, Halton

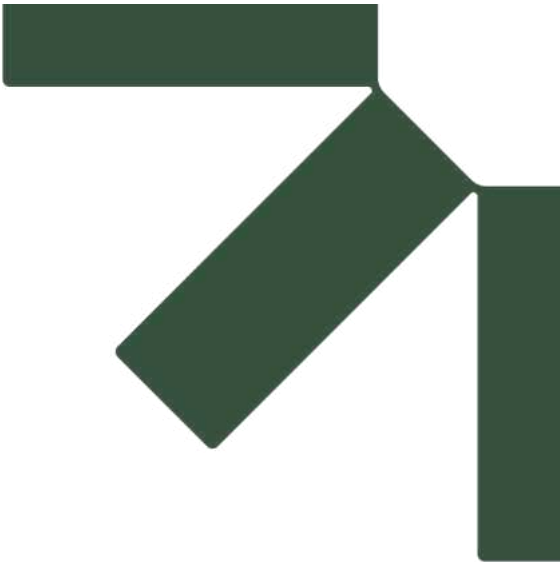
Taylor Wimpey

SLR Project No.: 425.001279.00001

8 October 2024

Document	Document Title
RSA Brief Design Drawings	 216175 - Bungalow priority junction RSA Brief - V2
	 216175_PD100 REV A - Proposed Simple Priority Junction
	 216175_PD100_AT_A01 REV A - Halton Refuse SPA





Appendix C Problem Location Plan

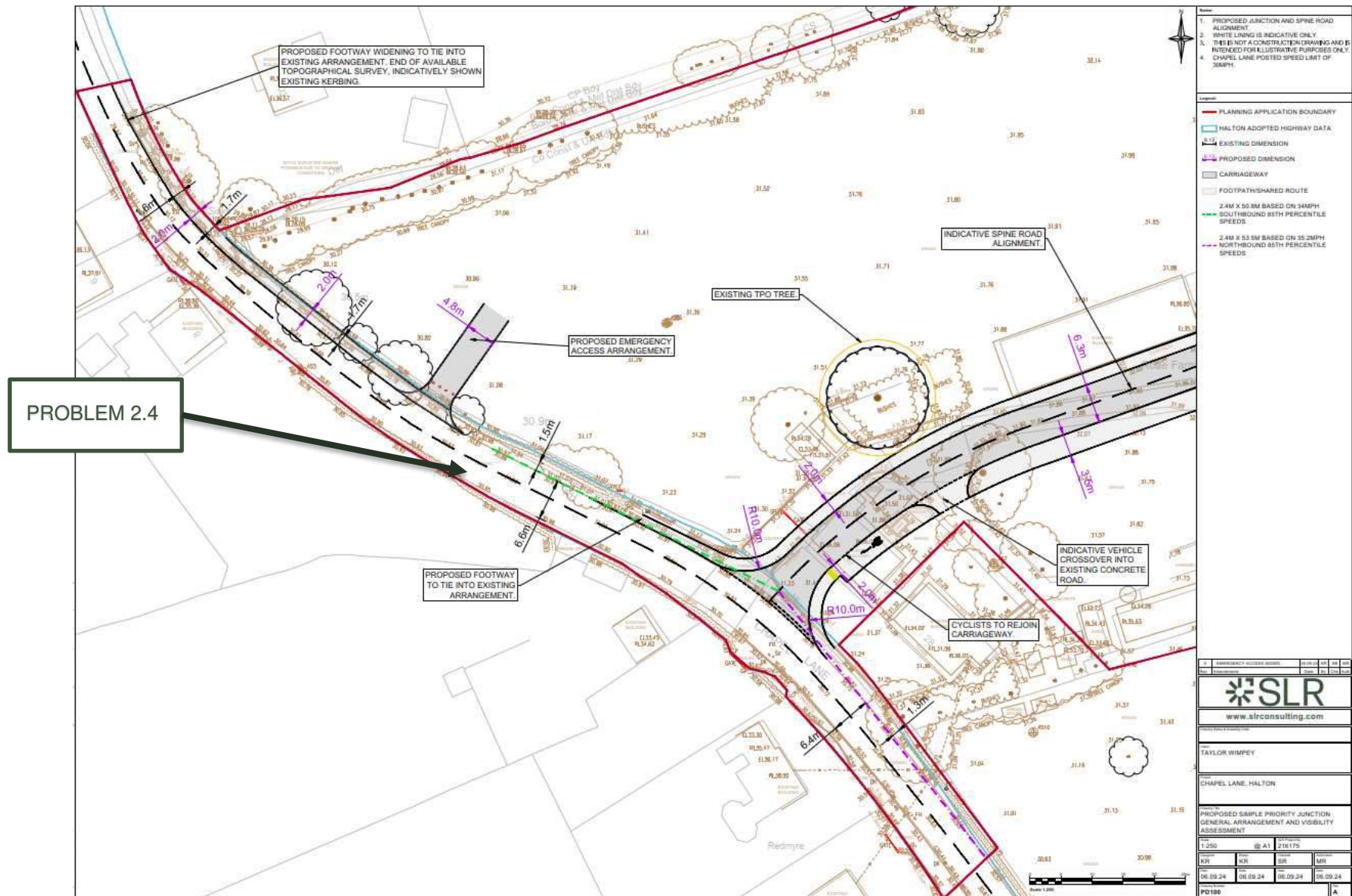
Stage 1 Road Safety Audit Addendum

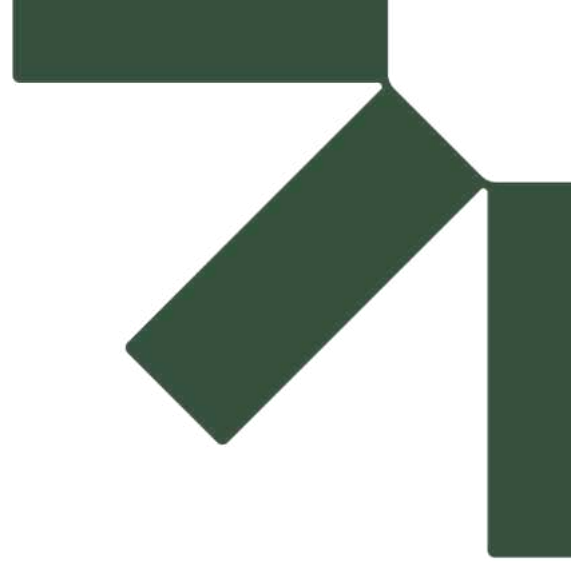
Chapel Lane, Halton

Taylor Wimpey

SLR Project No.: 425.001279.00001

8 October 2024







Making Sustainability Happen



RSA Designers Response

Land at Chapel Lane, Widnes

Taylor Wimpey

Prepared by:

SLR Consulting Limited

Ground Floor Belmont House , Churchill Way, Cardiff,
CF10 2HE

SLR Project No.: 425.001279.00001

13 November 2024

Revision: 01

1 Project Summary

RSA REPORT TITLE	STAGE 1 ROAD SAFETY AUDIT
Date	8 th October 2024
Document Reference and Revision:	RSA 1 V01
Prepared by:	Alastair Pike
On behalf of:	Taylor Wimpey
AUTHORISATION SHEET	
Project:	Land at Chapel Lane, Widnes
Report Title	Designers Response
DESIGNERS RESPONSE PREPARED BY	
Name:	Sasha Respini
Signed:	
Organisation:	SLR Consulting Ltd
Date:	13 th November 2024



2 General Details

GENERAL DETAILS:				
Highway scheme name and road number:		Chapel Lane, Widnes		
Type of scheme:	Priority junction access arrangements			
RSA Stage:	☒ Stage 1	☐ Stage 2	☐ Stage 3	☐ Stage 4
	Interim			
Overseeing Organisation details:		Knowsley Council		
Design organisation details:		SLR Consulting		
Police contact details:		N/A		
Maintaining agent contact details:				
RSA team membership:		Alastair Pike / Wing Lee		
Terms of reference:		GG119		



3 Road Safety Audit Decision Log

RSA PROBLEM	RSA RECOMMENDATION	DESIGN ORGANISATION RESPONSE	OVERSEEING ORGANISATION RESPONSE	AGREED RSA ACTION
2.1	It is recommended that the appropriate signage is provided on approach to the junction from both directions.	Accepted. Signage will be provided on the approach to the new junction, from both directions. This will be shown on DD plans.		
2.2	It is recommended that an appropriate merge dropped kerb for cyclists be provided on the northern side of the junction, that would allow cyclists to travel into the site and cross perpendicular into the proposed cycle off slip on the southern side.	Not accepted. The proposed emergency access would be used as a shared route and internally link to the proposed 3m shared use route within the site.		
2.3	It is recommended that the appropriate tactile paving facilities are provided at the emergency access junction.	Accepted. Tactile paving will be provided at the emergency access.		





Making Sustainability Happen