

STAGE 1 RSA DESIGNERS RESPONSE

Re: SH5037-10PD – Land at Tilstock Road, Tilstock, Shropshire
Date: February 2025
Subject: Stage 1 RSA – Designer’s Response

1.0 INTRODUCTION

- 1.1 This Designer’s Response report has been prepared by Sustainable Development and Delivery (SDD) Team of DLP Planning Ltd, following the completion of a Stage 1 Road Safety Audit (RSA) carried out in relation to the proposed vehicle access off Tilstock Road to the west and pedestrian access off Tilstock Lane to the south, associated with the delivery of a new residential development of 70 dwellings.
- 1.2 The Stage 1 RSA was undertaken by Midlands Road Safety Ltd, with a site visit carried out on Monday 15th January 2025 and the RSA issued on Wednesday 17th January 2025. The Audit Team had no involvement with the project prior to the audit work. A full copy of the RSA is enclosed at **RSA Appendix A**.
- 1.3 The Auditors were:
- Chris Berry, MSc Transport Planning, MCIHT, MSoRSA, NH RSA Certificate of Competency – Audit Team Leader
 - Sarah Cooke, BA (Hons), MCIHT – Audit Team Member
- 1.4 The Audit team were provided with the following information:
- Summary of proposed development and access strategy
 - DLP / SDD Transport Statement (October 2024)
 - Proposed Site Access Arrangement (Drawing SH5037-10PD-001 Revision C)
 - Car Swept Path Analysis (Drawing SH5037-10PD-002 Revision B)
 - Refuse Swept Path Analysis (Drawing SH5037-10PD-003 Revision B)
- 1.5 A summary of the key matters raised in the RSA and the Design Team Response is provided in the following section.

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2.0 ROAD SAFETY AUDIT DECISION LOG

PROBLEM 1

LOCATION: Tilstock Road – southbound approach to the proposed site access.

SUMMARY: Lack of awareness of the site access risks junction pull-out collisions.

Whilst the proposals include site clearance to provide visibility splays, based on recorded vehicle speeds, the location of the site access and presence of the national speed limit risk a lack of awareness for southbound drivers that the access will be located as shown. This could lead to a lack of awareness and late braking / shunts with emerging vehicles.

RECOMMENDATION: It is recommended that, as part of the detailed design, the 30mph speed limit is extended to the north, alongside the relocation of the village gateway signing, to encourage greater awareness that drivers are entering a residential area alongside lower speeds.

DESIGN TEAM RESPONSE

Recommendation accepted. **Drawing Number SH5037-10PD-001 Revision D** (contained at **Appendix B**) shows that the 30mph speed limit would be extended to a point circa 85m north of the proposed site access location as suggested by the RSA. The proposed extension of the speed limit would include a gateway feature with signage, roundels and dragons' teeth markings.

The frontage vegetation would also be cleared to deliver the required visibility splays based on 85th percentile speeds.

PROBLEM 2

LOCATION: Proposed pedestrian route – between the site and Tilstock Lane.

SUMMARY: Unattractive pedestrian route risks pushing pedestrians to walk on Tilstock Road, risking vehicle to pedestrian collisions.

RECOMMENDATION: It is recommended that the existing PROW is upgraded to include a bound surface and lighting.

DESIGN TEAM RESPONSE

Recommendation accepted. **Drawing Number SH5037-10PD 001 Rev D** shows how the existing PROW between the site and Tilstock Lane would be upgraded with a bound surface and lighting provided. This would be designed in accordance with the SCC Lighting Design Team as part of the RM application.

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3.0 CONCLUSIONS

- 3.1 This Designer's Response has been prepared following the completion of a Stage 1 Road Safety Audit on the proposed access strategy associated with the delivery of a new residential development on land to the east of Tilstock Road in Tilstock.
- 3.2 All problems raised as part of this RSA have been now addressed as part of this Designers Response, with the amendments contained at **Drawing Number SH5037-10PD 001 Rev D.**

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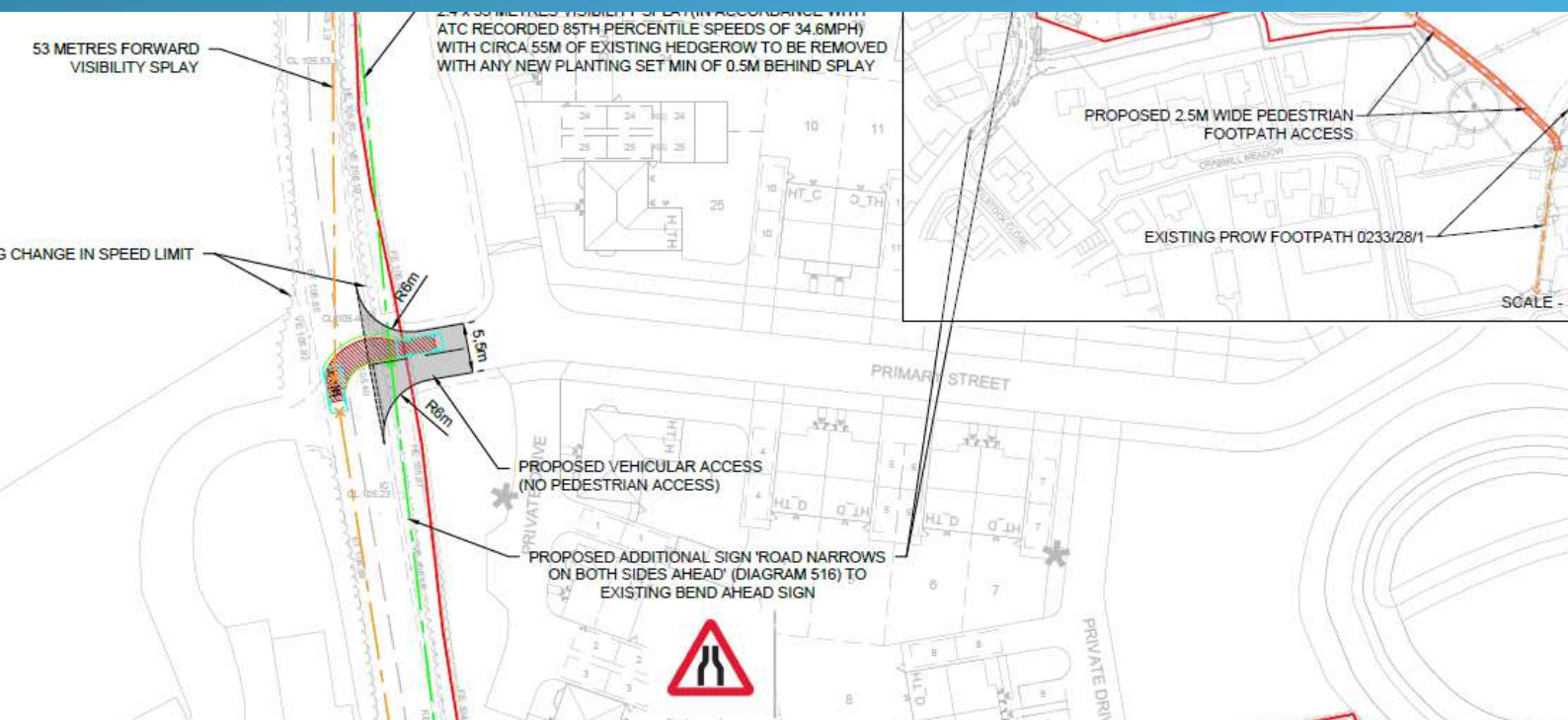
Appendix A

RSA



PROPOSED RESIDENTIAL DEVELOPMENT ACCESS TILSTOCK ROAD, TILSTOCK

REPORT REF: 25-1858-RSA1



PROPOSED RESIDENTIAL DEVELOPMENT ACCESS

TILSTOCK ROAD, TILSTOCK

STAGE 1 ROAD SAFETY AUDIT

JANUARY 2025

REPORT REF: 25-1858-RSA1

CLIENT: DLP Consultants

ENGINEER: Midlands Road Safety Ltd

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Revision	Date of Issue	Author	Checked
-	17.01.2025	CB	SC

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B.	SITE LOCATION AND PROBLEM IDENTIFICATION PLANS

1. INTRODUCTION

- 1.1 This report comprises a Stage 1 Road Safety Audit (RSA) on a proposed new bell-mouth style junction to the east of the B5476 Tilstock Road in Tilstock, Shropshire. The works are arising from a proposed residential development of 70 dwellings and include the creation of a separate pedestrian access to the site to the southeast of the development, linking into the existing PROW alongside Tilstock Primary School on Tilstock Lane. The pedestrian link will be 2.5m in width, lit with a bound surface provided.
- 1.2 The report was requested by DLP Consultants on behalf of their client Boningale Homes. The Overseeing Organisation is Shropshire County Council.
- 1.3 The Audit Team Membership was as follows:
- Audit Team Leader
Chris Berry, MSc Transport Planning, MCIHT, MSORSA, NH RSA Certificate of Competency
- Audit Team Member
Sarah Cooke, BA (Hons), MCIHT
- 1.4 A site inspection was carried out by the Audit Team together on Monday 15th January 2025 between the hours of 11:50 and 12:30. During the site visit the weather conditions were sunny and the road surface was damp. Traffic flows were observed as being light, with occasional pedestrians (at the Tilstock Lane element of the site) and no cycle movements being observed.
- 1.5 The audit also comprised of a desk-top study where all documents and plans provided by the Design Team were reviewed. A list of these can be found in Appendix A. The auditors have not been made aware of any departures from design standards.
- 1.6 The audit has been carried out in accordance with the principles of the National Highways document GG 119 'Road Safety Audit' (version 2). A formal Road Safety Audit Brief was not provided to the Audit Team. However, information regarding the site was provided via email alongside the relevant scheme documents and drawings. This was considered by the Audit Team to provide sufficient detail to undertake the appropriate stage of audit.
- 1.7 The Audit Team have examined and reported solely on the road safety implications of the scheme as presented and not examined or verified the compliance to any alternate criteria.

- 1.8 All comments and recommendations in this report are referenced to the Audit Brief where provided, and detailed drawings supplied. Where appropriate a list of “Additional Observations” will follow from any safety problems raised. These are not identified safety problems but generalised observations, outside of the scope of the relevant stage of audit, that may highlight potential safety problems that could arise at future stages of the safety audit process.
- 1.9 Midlands Road Safety Ltd has ensured that this report has been carried out independently with no member of the Audit Team membership directly linked to the scheme design.

2. SAFETY PROBLEMS RAISED IN PREVIOUS ROAD SAFETY AUDITS

- 2.1. It is understood that no previous Road Safety Audits have been undertaken for the proposals subject to this report.

3. SAFETY PROBLEMS RAISED IN THIS ROAD SAFETY AUDIT

3.1. The Audit Team has identified two safety problems to be addressed.

3.2. **Problem 1**

Location: Tilstock Road – southbound approach to the proposed site access.

Summary: Lack of awareness of the site access risks junction pull-out collisions.

Whilst the proposals include site clearance to provide visibility splays, based on recorded vehicle speeds, the location of the site access and presence of the national speed limit risk a lack of awareness for southbound drivers that the access will be located as shown. This could lead to a lack of awareness and late braking / shunts with emerging vehicles.



Recommendation:

It is recommended that, as part of the detailed design, the 30mph speed limit is extended to the north, alongside the relocation of the village gateway signing, to encourage greater awareness that drivers are entering a residential area alongside lower speeds.

3.3. Problem 2

Location: Proposed pedestrian route – between the site and Tilstock Lane.

Summary: Unattractive pedestrian route risks pushing pedestrians to walk on Tilstock Road, risking vehicle to pedestrian collisions.

It is understood that a new 2.5m wide pedestrian route is to be provided between the site and the existing PROW 0233/28/1 that runs alongside (and provides pedestrian access to) the adjacent Primary School. Whilst the new provision is to be made using a bound surface and is to be lit, it is unclear whether the same will be the case for the existing PROW link which currently has a rolled stone surface and is unlit. Should this link be unattractive to pedestrians – both from a usability based on surface type or safety based on a lack of illumination – there is a risk that pedestrians will instead walk along Tilstock Road to access the onward footways to the south of the development, resulting in possible vehicle to pedestrian collisions.



Recommendation:

It is recommended that the existing PROW is upgraded to include a bound surface and lighting.

End of the 'Safety Problems' in this Section of the Report

4. ADDITIONAL OBSERVATIONS

4.1. Additional Observation 1

Whilst on site it was observed that the PROW link into the adjacent field and onward route was flooded. It is recommended that, as part of the detailed design, sufficient drainage is provided to ensure that the pedestrian link is available all year round.



5. AUDIT STATEMENT

- 5.1. We certify that the terms of reference of the audit are as described in GG 119 and that no member of the Audit Team was directly linked to the scheme design.

5.2. **AUDIT TEAM LEADER:**

Chris Berry, MSc Transport Planning, MCIHT, NH RSA Certificate of Competency

Director

Midlands Road Safety Ltd



Signed: _____

Date: 17.01.2025

5.3. **AUDIT TEAM MEMBER:**

Sarah Cooke, BA (Hons), MCIHT

Associate

Midlands Road Safety Ltd



Signed: _____

Date: 17.01.2025

APPENDIX A

The following documents and drawings were provided for the purposes of this road safety audit.

Drawings

Number	Title	Rev
SH5037-10PD-001	Site Access	C
SH5037-10PD-001	Refuse Vehicle Swept Path Analysis	B

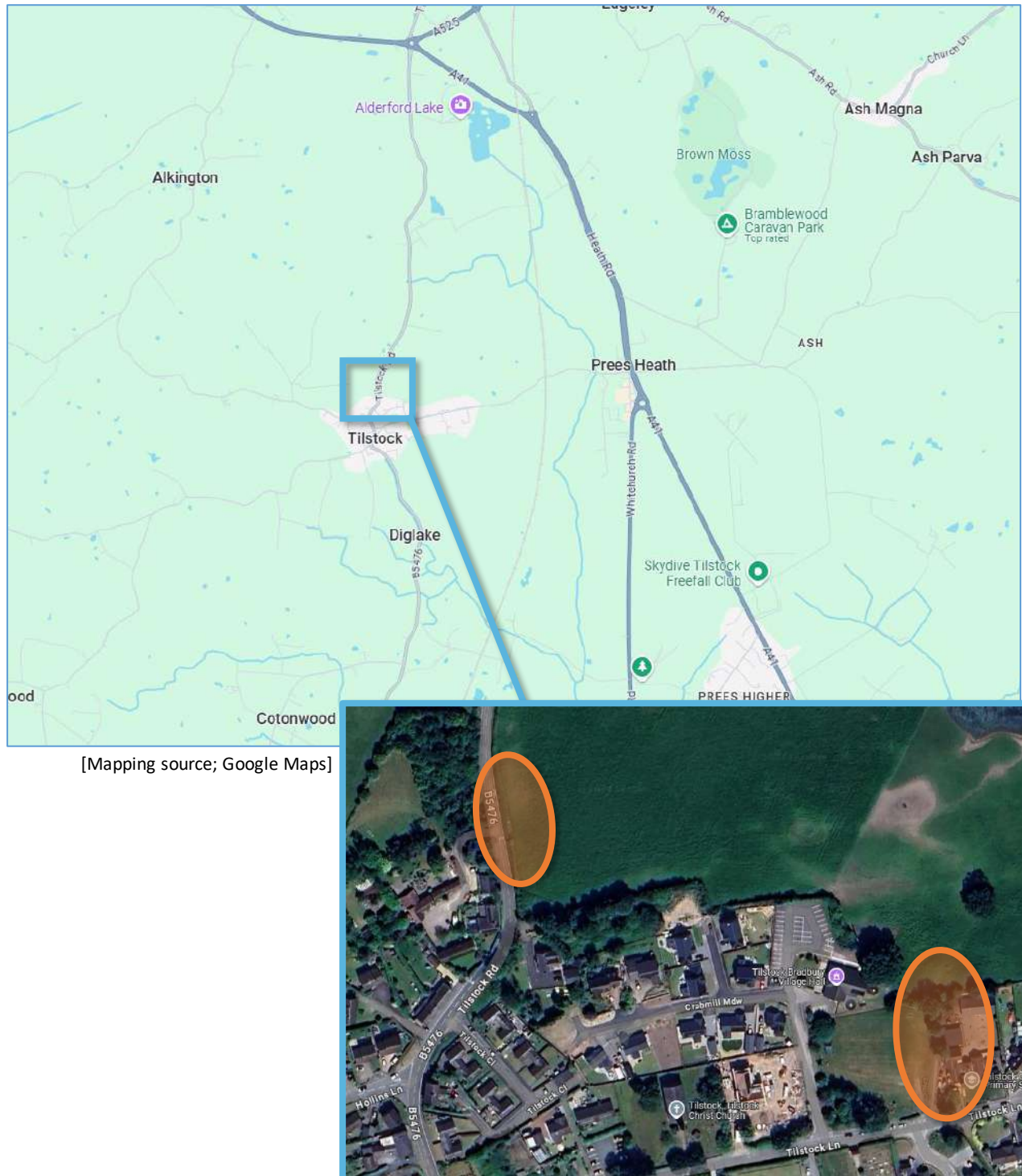
Documents

Author	Title	Rev	Date
DLP	Road Safety Audit Details (by email)	-	10.01.2025
DLP	Transport Statement	C	10.2024

APPENDIX B

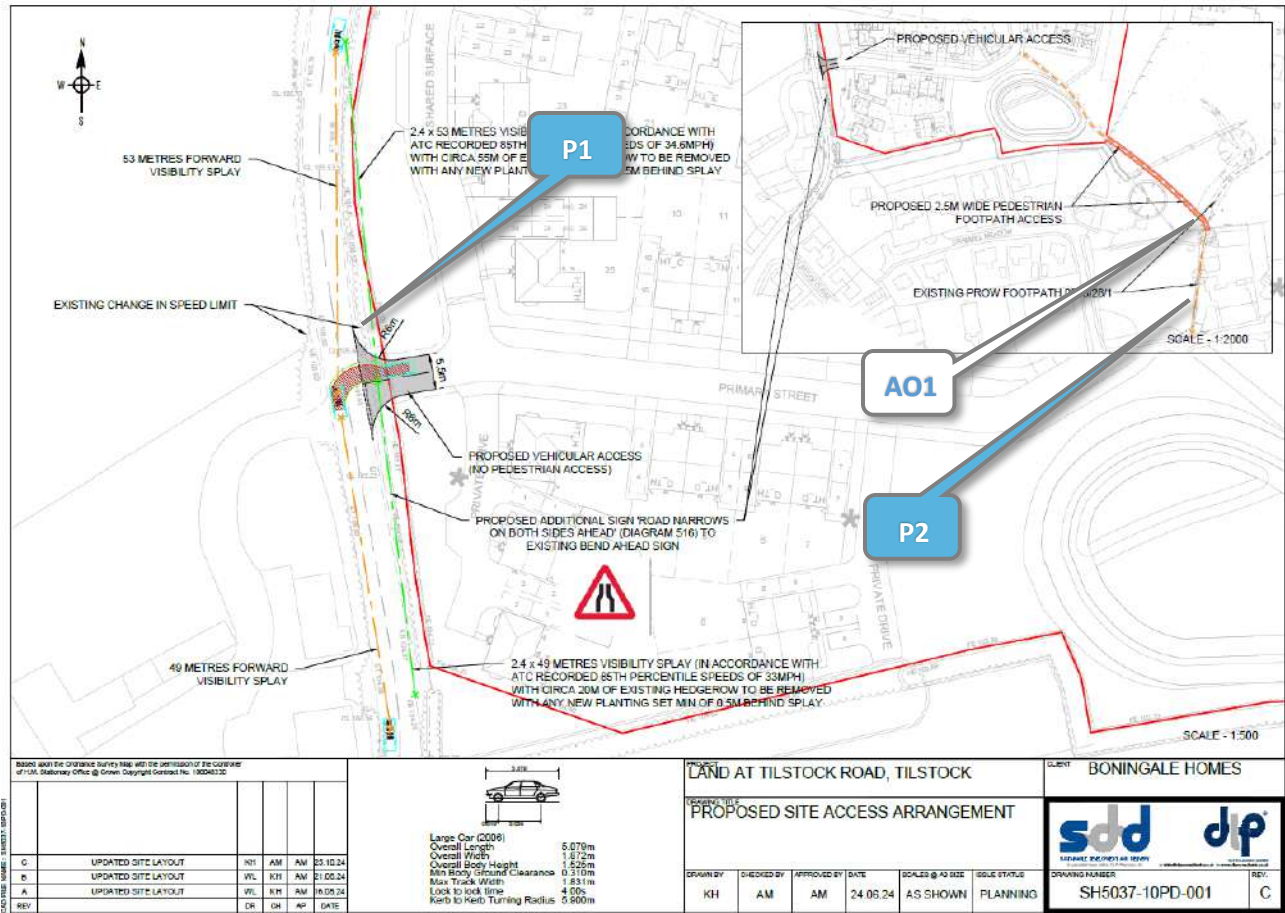
The location of any problems/observations that have been identified in Section 3 of this report can be seen on the extracts of the drawings supplied to the Audit Team, as listed in Appendix A.

Figure 1 – Site Location



[Mapping source; Google Maps]

Figure 2 – Problem Location Plan





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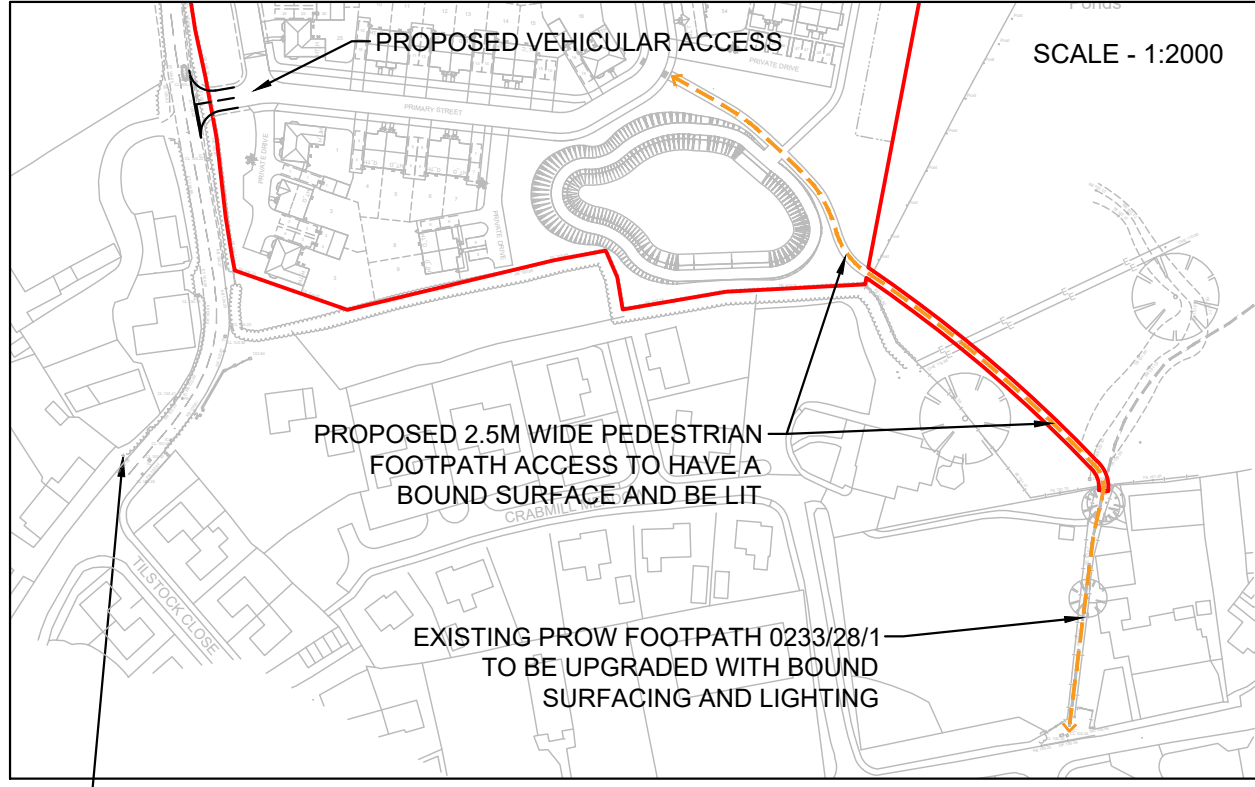
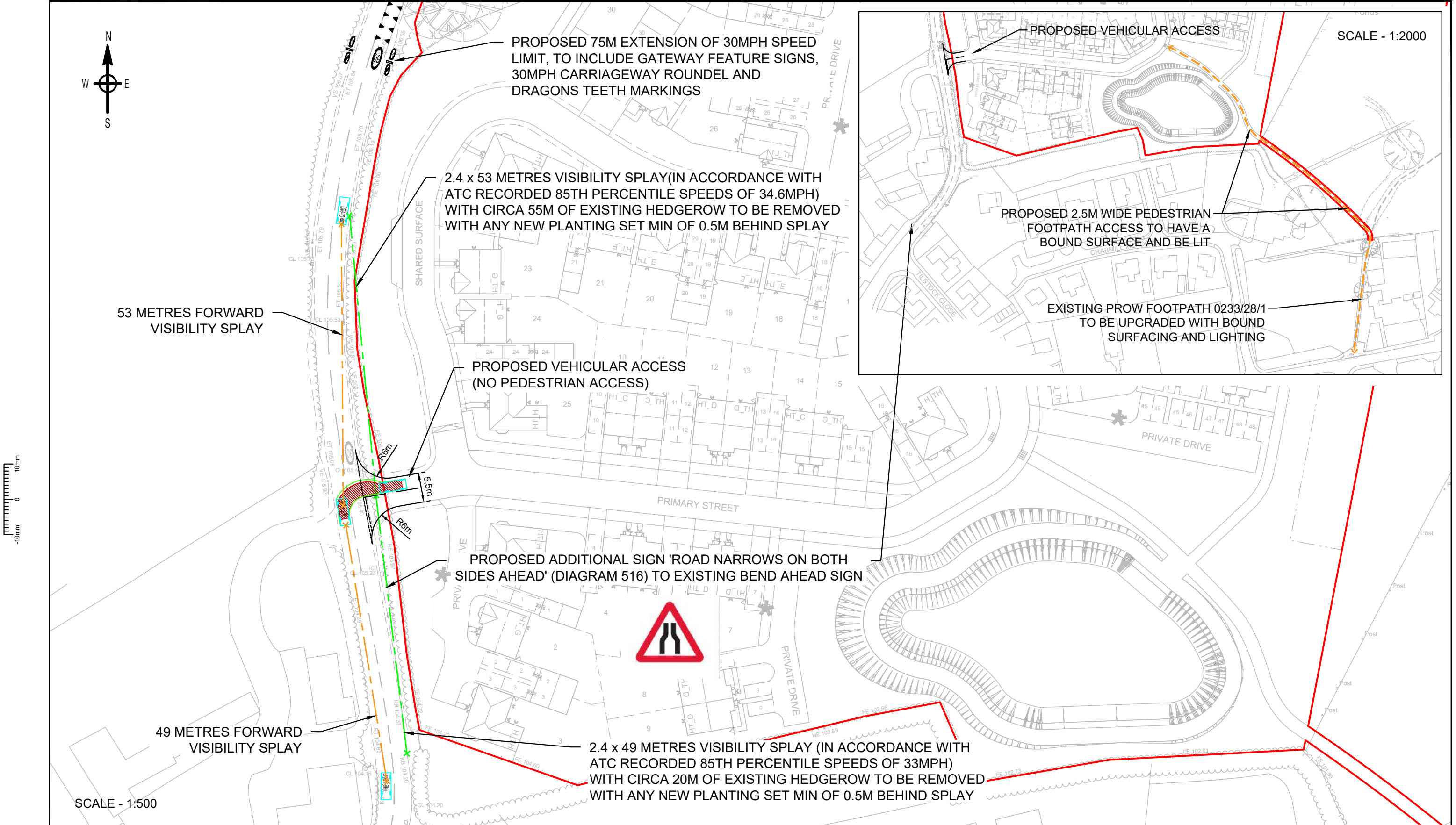
W: www.midlandsroadsafety.co.uk

STAGE 1 RSA DESIGNERS RESPONSE



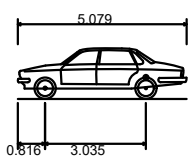
Appendix B

Drawing Number SH5037-10PD 001 Rev D



Based upon the Ordnance Survey Map with the permission of the Controller of H.M. Stationary Office @ Crown Copyright Contract No. 100048330

REV					
D	TO ADDRESS STAGE 1 RSA COMMENTS	KH	AM	AM	29.01.25
C	UPDATED SITE LAYOUT	KH	AM	AM	25.10.24
B	UPDATED SITE LAYOUT	WL	KH	AM	21.08.24
A	UPDATED SITE LAYOUT	WL	KH	AM	16.08.24
REV		DR	CH	AP	DATE



Large Car (2006)
Overall Length 5.079m
Overall Width 1.872m
Overall Body Height 1.525m
Min Body Ground Clearance 0.310m
Max Track Width 1.831m
Lock to lock time 4.00s
Kerb to Kerb Turning Radius 5.900m

PROJECT
LAND AT TILSTOCK ROAD, TILSTOCK

DRAWING TITLE
PROPOSED SITE ACCESS ARRANGEMENT

DRAWN BY	CHECKED BY	APPROVED BY	DATE	SCALES @ A3 SIZE	ISSUE STATUS
KH	AM	AM	24.06.24	AS SHOWN	PLANNING

CLIENT
BONINGALE HOMES



DRAWING NUMBER	REV.
SH5037-10PD-001	D

CAD FILE NAME : SH5037-10PD-001