

Stage 1 Road Safety Audit: Road Safety Audit Response Report

Proposed Development:

Warwick Nursery

Eastergate

West Sussex

PO20 3RT



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Issue	Issue date	Compiled	Checked	Authorised
1 st	May 2021	RW	LNS	LNS

1 Introduction

- 1.1 This report results from a Stage 1 Road Safety Audit carried out in support of a proposed access to serve a development proposal of residential dwellings at Barnham Road, Eastergate, West Sussex.
- 1.2 The Road Safety Audit (RSA) took place in July 2020, compliant with the principles stated in the Highways England General Principles and Scheme Governance General information GG119 Road Safety Audit. The Stage 1 RSA report is provided in **Appendix A**.
- 1.3 Comments were received from the Highway Authority (WSCC), dated 21st January 2021, which have been considered with this report. It is considered that the proposed scheme is sufficient to mitigate the risks raised within the safety audit report and the risk of incident remains low and the severity of any incident would be low.
- 1.4 The proposed scheme of highway works to provide a suitable site access was revised in response to safety audit comments and those from WSCC Highways. The comments related to a requirement to reduce vehicle speeds in the vicinity of the site access. The proposed site access drawing, with associated speed reduction measures, including Vehicle Activated Signs, is shown in **Appendix B**.

2 Project Details

Table 2.1 Project Details

Report title:	Stage 1 Road Safety Audit
Date:	11 th May 2021
Document reference and revision:	10635/1
Prepared by:	GTA Civils & Transport Ltd
On behalf of:	WSCC

Table 2.2 Authorisation sheet

Project:	Warwick Nursery
Report title:	Stage 1 Road Safety Audit
Prepared by:	
Name:	
Position:	
Signed:	
Organisation:	
Date:	
Approved by:	
Name:	
Position:	
Signed:	
Organisation:	
Date:	

Key Personnel

Table 2.3 Key Personnel

Overseeing Organisation:	Stephen Gee, WSCC
RSA Team:	Paul Nevard/Vinny Rey, EC Road Safety Ltd
Design Organisation:	Richard Wells, GTA Civils & Transport Ltd

3 Road Safety Audit Decision Log

Table 3.1 RSA1 Problems, Recommendations & Response

Problem	Location	Description	Recommendation	Design Organisation Response	Overseeing Organisation Response	Agreed RSA Action
3.5.1	Church Lane junction with Barnham Road	Failure to give way collisions due to approach speed	The SLOW markings on Barnham Road will help to warn drivers on the approach in each direction. However, an additional SLOW marking should be placed near the Church Lane junction to give additional information to drivers turning from Church Lane into Barnham Road	Agreed. A 'SLOW' marking can be applied to Church Lane		

4 Design Organisation and Overseeing Organisation statements

Table 4.1 Design Organisation statement

On behalf of the design organisation, I certify that:	
1) the RSA actions identified in response to the road safety audit problems have been discussed and agreed with the Overseeing Organisation	
Name:	Richard Wells
Signed:	
Position:	Transport Planning Manager
Organisation:	GTA Civils & Transport Ltd
Date:	11 th May 2021

Table 4.2 Overseeing Organisation statement

On behalf of the Overseeing organisation, I certify that:	
1) the RSA actions identified in response to the road safety audit problems have been discussed and agreed with the design organisation; and	
2) the agreed RSA actions will be progressed	
Name:	
Signed:	
Position:	
Organisation:	
Date:	

Appendix A

Stage 1 Road Safety Audit

**Warwick Nursery
Eastergate
West Sussex
PO20 3RT**

PROPOSED DEVELOPMENT ACCESS

STAGE 1 ROAD SAFETY AUDIT

Report No. EC/2021/05/GTA3

May 2021



Prepared by:

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AUTHORISATION SHEET

Client: GTA Civils & Transport Limited

Project Sponsor: Richard Wells

Project: Proposed Development Access

Address: Warwick Nursery
Eastergate
West Sussex
PO20 3RT

PREPARED BY

Name: Vinny Rey

Position: Traffic Engineer / Road Safety Auditor

Date: 09 May 2021

AGREED BY

Name: Paul Nevard

Position: Director – EC Road Safety Limited

Date: 09 May 2021

AUTHORISED FOR ISSUE

Name: Paul Nevard

Position: Director – EC Road Safety Limited

Date: 10 May 2021

DISTRIBUTION

Issue No.	Issued To	Date Issued
1.	Richard Wells – GTA Civils & Transport Limited	10/05/2021
2.	Office Copy	10/05/2021

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1. INTRODUCTION

1.1 General

1.1.1 EC Road Safety Limited has been commissioned by GTA Civils & Transport Ltd to undertake a Stage 1 Road Safety Audit on proposed development access for the redevelopment of the existing Warwick Nursery site on Barnham Road, Eastergate, West Sussex. It is proposed to redevelop the site to form a residential development consisting of 45 units with associated car parking and landscaping. The existing site is a greenfield land adjacent to Barnham Road (B2233) and Church Lane. Access to the site currently exists via the Little Warwick Drive (off Barnham Road) and provides access for pedestrians and vehicles. It is proposed to retain the existing site access making improvements as part of the site redevelopment. In addition, it is proposed to make minor pedestrian improvements at the Church Lane / Barnham Road junction.

1.1.2 The scope of the audit relates to the site access and highway improvements forming part of the proposed site redevelopment and the introduction of traffic calming measures to help slow approach speeds along the route.

1.1.3 Barnham Road forms part of the B2233 which connects to Climping in the south and Crockerhill in the north via Burndell, Barnham and Eastergate. The stretch of Barnham Road adjacent to the development site is subject to a 30mph speed limit. There is currently a footway present on the opposite side of the carriageway to the development site and an informal (worn grassed verge) footway which currently links the existing nursery site to Church Lane and the local bus stops in the vicinity. Street lighting is present, and the route serves as a local bus route. The existing Church Lane junction is near the site access. Church Lane is a residential road through Eastergate village.

1.1.4 Existing collision data provided detailed four collisions within 250m of the development site of which one was serious and the remaining three were slight. Only one collision was recorded at the Church Lane / Barnham Road junction involving two vehicles resulting in slight injury.

1.1.5 The Road Safety Audit Team (approved by Richard Wells - GTA Civils & Transport Limited) consisted of:

Vinny Rey
BEng (Hons) MCIHT, MSoRSA
RSA, Cert. Comp

Traffic Engineer
Road Safety Audit Team Leader

Paul Nevard
MSc, BA (Hons) CMILT, MCIHT, MSoRSA
RSA, Cert. Comp

Director – EC Road Safety Ltd
Principal Traffic Engineer
Road Safety Audit Team Member

1.1.6 The original Road Safety Audit Brief issued to the Audit Team in July 2020 and subsequently accepted consisted of the following:

- 10635_100 Visibility Splay and Footway.pdf
- 10635 Warwick Nursery – Transport Statement.pdf
- 6710-SK-04B – Prelim200612.pdf

1.1.7 Following the submission of the original plans and brief, further amendments have been made and an additional plan has been supplied to the Audit Team to re-audit in May 2021. This consists of plan:

- 10635_302_P3_Speed Reduction Scheme

1.1.8 The Audit Team examined the original Audit Brief and plans at the EC Road Safety office on Monday 13th July 2020 and the site was subsequently examined by Paul Nevard and Vinny Rey together on Tuesday 14th July 2020 between 12.00 and 12.30 hours. Due to the Covid-19 situation the journey to the site was taken separately and social distancing rules and guidelines were observed throughout the site visit. The weather during the daytime site visit was dry but slightly overcast. Traffic flows were moderate and vehicle speeds were observed as also being low to moderate. Following the submission of the new revised plan in May 2021, it has not been felt appropriate nor necessary for the Audit Team to re-visit the site and carry out the site investigation again, given that the original site was visited 10 months ago. The Covid-19 situation is improving, but it was not deemed necessary to re-visit the site, given the previous Audit site investigation.

1.1.9 The Road Safety Audit also comprised of an examination of the documents forming the Audit Brief supplied to the Road Safety Audit Team and are referenced in Appendix A of this report. The location of any problems raised can be found within the report, photographed for reference, or referenced in Appendix B of this report. If no problems are identified, only a location plan will be provided for reference in Appendix B.

1.1.10 The terms of reference of the Road Safety Audit are as described in the Highways England General Principles and Scheme Governance General information GG119 Road Safety Audit. The Road Safety 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. This Road Safety Audit has not considered structural safety or checked for compliance to standards. This safety audit does not perform any “Technical Check” function on these proposals. It is assumed that the Project Sponsor is satisfied that such a “Technical Check” has been successfully completed prior to requesting this safety audit.

1.1.11 This Road Safety Audit has been undertaken based on the Road Safety Audit Team's previous experience and knowledge in undertaking Accident Investigation, Road Safety Engineering and Road Safety Audits. No member of the Road Safety Audit Team has had any previous input to the design of the scheme. The audit has been carried out with the sole purpose of identifying any features of the design that could be removed or modified to improve the safety of the scheme. The problems identified have been noted in this report together with suggestions for safety improvements, which we recommend should be studied for implementation.

1.2 Purpose of Scheme

The purpose of the scheme is to provide an access road with pedestrian improvements forming part of the proposed site redevelopment at Warwick Nursery, Barnham Road, Eastergate. Additional traffic calming measures are also proposed which include the introduction of Vehicle Activated Signage.

2. PROBLEMS IDENTIFIED IN PREVIOUS ROAD SAFETY AUDITS

A previous Stage 1 Road Safety Audit was carried out in July 2020. Report EC.2020.07.GTA3 refers.

However, the submission of an additional plan has been submitted to the Audit Team and therefore the scheme (including the new VAS proposal) has been re-assessed.

Any concerns relating to the proposed changes and scheme will be outlined within this report.

3. PROBLEMS IDENTIFIED AT THIS STAGE 1 ROAD SAFETY AUDIT

3.1 General

No problems identified in this category at this stage.

3.2

Local Alignment

No problems identified in this category at this stage.

3.3

Junctions

No problems identified in this category at this stage.

3.4

Non-Motorised User Provision

No problems identified in this category at this stage.

3.5 Road Signs, Carriageway Markings & Street Lighting

3.5.1 PROBLEM

Location: Church Lane junction with Barnham Road

Summary: Failure to give way collisions due to approach speed.

Detail: It is noted that the recent plan indicates that pedestrian improvements, including an informal crossing arrangement will be made to Church Lane. The existing refuge island at the junction is in a poor condition and not suitable for pedestrians to use, with no dropped kerbs or tactile paving and the proposed changes are welcome from a road safety point of view.

The original RSA highlighted that the proposed access and intensification of the site is going to result in an increase in turning movements both into and out of the site. The concern was that its proximity to the Church Lane junction could result in issues unless motorists are advised and encouraged to lower approach speeds. It is agreed that the Vehicle Activated Signs proposed, additional footway and refuge amendments will help to achieve this. However, additional warning close to the Church Lane junction would also be of benefit.



RECOMMENDATION

The SLOW markings on Barnham Road will help to warn drivers on the approach in each direction. However, an additional marking should be placed near the Church Lane junction to give additional information to drivers turning from Church Lane into Barnham Road.

[End of list of Problems identified and Recommendations offered in this Stage 1 Audit](#)

4. AUDIT TEAM STATEMENT

We certify that this audit has been carried out in accordance with GG119.

AUDIT TEAM LEADER

Vinny Rey

Signed:



Date: 10/05/2021

AUDIT TEAM MEMBER

Paul Nevard

Signed:



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APPENDIX A

List of documents and plans considered during this Stage 1 Road Safety Audit:

Plans and documents submitted in July 2020:

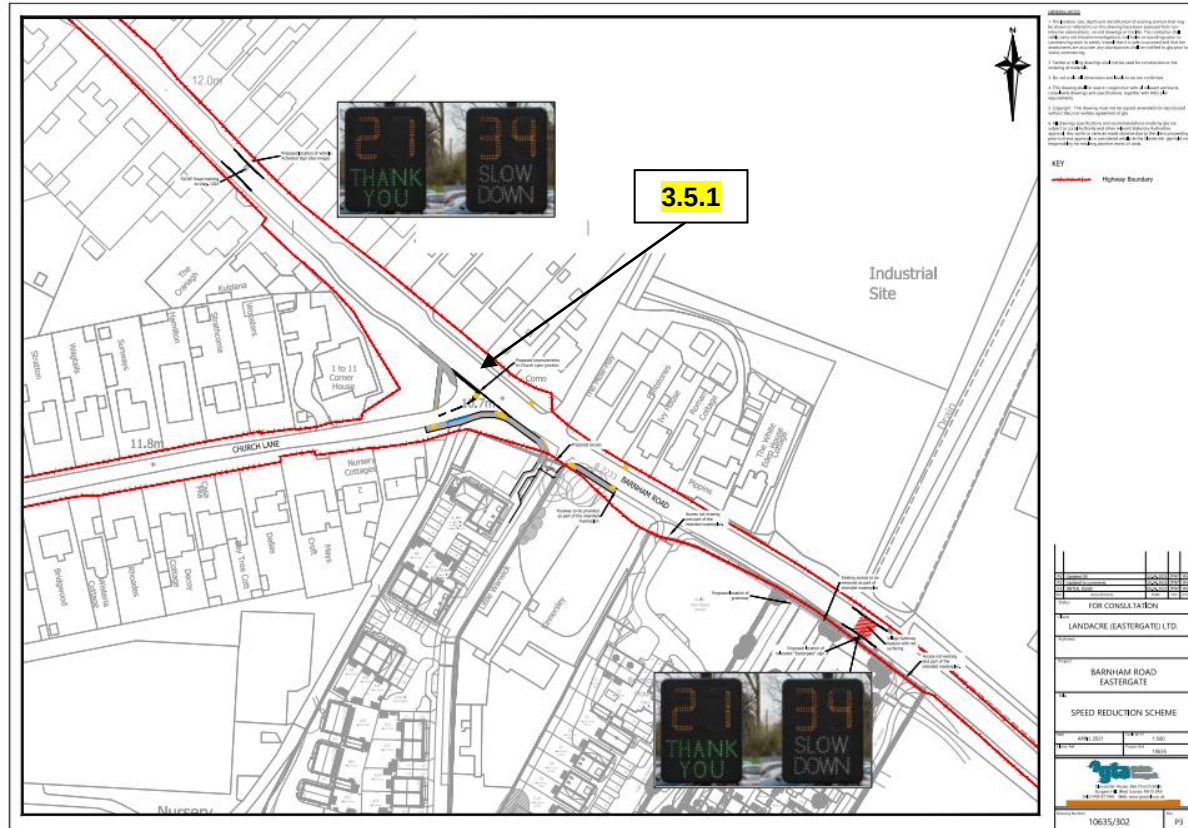
- 10635_100 Visibility Splay and Footway.pdf
- 10635 Warwick Nursery – Transport Statement.pdf
- 6710-SK-04B – Prelim200612.pdf

Additional plan submitted in May 2021:

- 10635_302_P3_Speed Reduction Scheme

APPENDIX B

Problems identified from this Stage 1 Road Safety Audit:



Appendix B

Proposed Site Access Plan



GENERAL NOTES

1. The location, size, depth and identification of existing services that may be shown or referred to on this drawing have been assessed from non intrusive observations , record drawings or the like. The Contractor shall safely carry out intensive investigations, trial holes or soundings prior to commencing work to satisfy himself that it is safe to proceed and that the assessments are accurate. any discrepancies shall be notified to gta prior to works commencing.
2. Tender or billing drawings shall not be used for construction or the ordering of materials.
3. Do not scale. All dimensions and levels to be site confirmed.
4. This drawing shall be read in conjunction with all relevant architects, consultants drawings and specifications, together with H&S plan requirements.
5. Copyright : This drawing must not be copied, amended nor reproduced without the prior written agreement of gta.
6. All drawings specifications and recommendations made by gta are subject to Local Authority and other relevant Statutory Authorities approval. Any works or services made abortive due to the client proceeding prior to these approvals is considered wholly at the Clients risk. gta hold no responsibility for resulting abortive works or costs.

KEY

- Highway Boundary
 Site Boundary

P4	Updated layout	10.05.2021	JMW	RW	
P3	Updated OS	22.04.2021	JMW	RW	
P2	Updated to comments	20.04.2021	JMW	RW	
P1	INITIAL ISSUE	09.04.2021	JMW	RW	
Rev	Amendments	Date	Dsn	Chk	

Status	FOR CONSULTATION
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Client
LANDACRE (EASTERGATE) LTD.

Architect

Project	BARNHAM ROAD EASTERGATE
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Title

SPEED REDUCTION SCHEME

Date	APRIL 2021	Scale @ A1	1:500
Clients Ref.		Project Ref.	10635



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Drawing Number	Rev.
10635/302	P4



Civil Engineering - Transport Planning - Flood Risk

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