

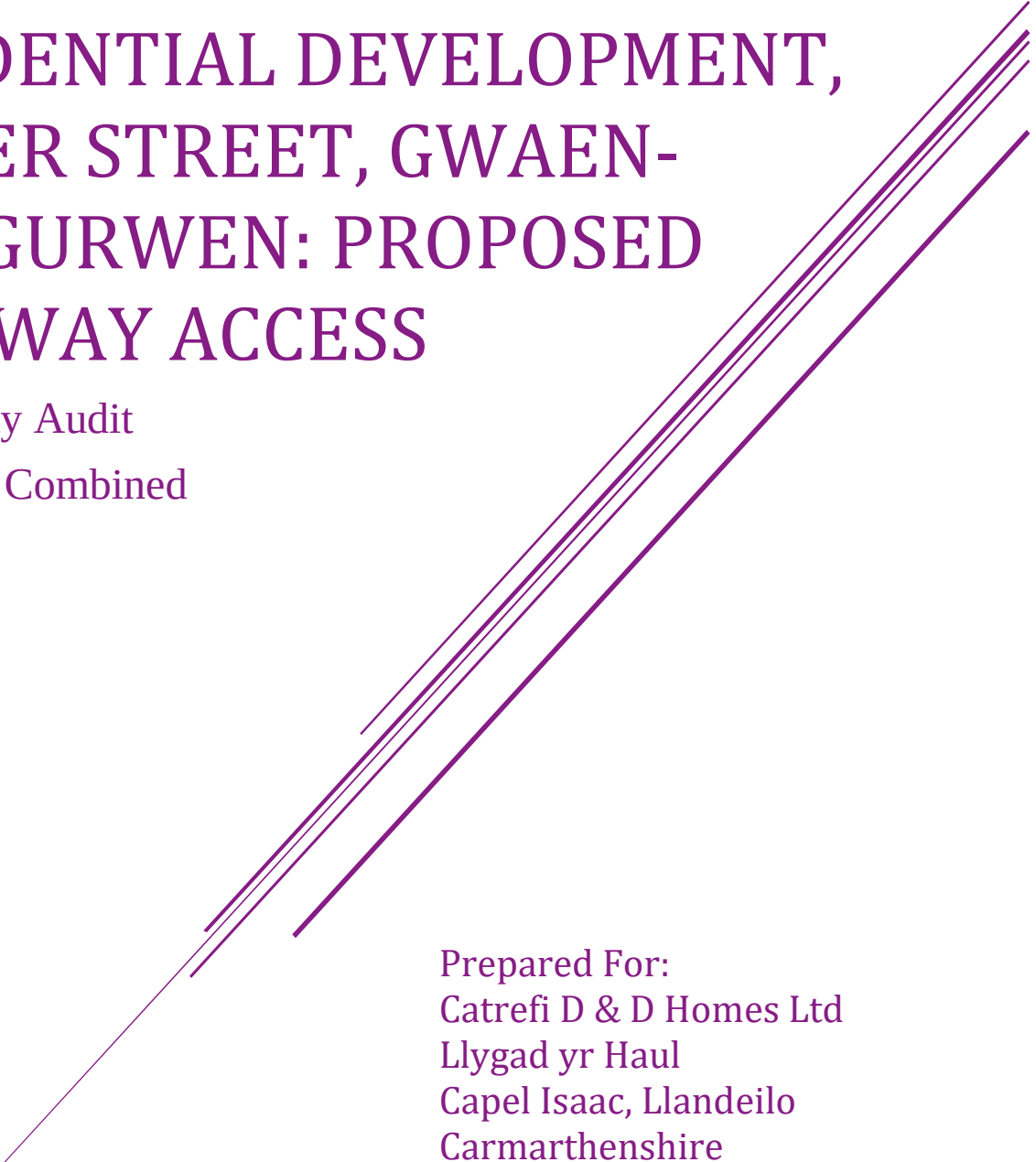
Report Number: DDH/1542
Date: 13th December 2023
Prepared by: Julian Bartlett



RESIDENTIAL DEVELOPMENT, WATER STREET, GWAEN- CAU-GURWEN: PROPOSED HIGHWAY ACCESS

Road Safety Audit

Stage 1 / 2 Combined

A decorative graphic consisting of several parallel lines in shades of blue and grey, representing a road or highway, extending diagonally from the bottom left towards the top right of the page.

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Job Number: 1542

Client: Catrefi D & D Homes Ltd

Highway Authority: Carmarthenshire County Council

Project: Residential Development, Water Street, Gwaen-Cau-Gurwen:
Proposed Highway Access

Report Title: Stage 1 / 2 Combined Road Safety Audit

Date: 13th December 2023

Issue	Purpose / Status	Prepared By	Checked	Approved	Date
D1	Draft	Julian Bartlett	Chris Kettell	Julian Bartlett	December 2023
D2	Corrected typos	Julian Bartlett	Chris Kettell	Julian Bartlett	January 2024

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1 INTRODUCTION

- 1.1 This report results from a Stage 1 Road Safety Audit undertaken by J Bartlett Consulting Limited following a request from Karl Von Webber of behalf of his client Catrefi D & D Homes Ltd. The Audit was carried out during December 2023.
- 1.2 This Safety Audit considers the introduction frontage parking as well as an off carriageway access link to serve a series of 10 residential properties on the site of the former school at Water Lane, Water Street, Gwaen-Cau-Gurwen.
- 1.3 The audit team comprised the following individuals:
- | | |
|--------------------------------------|-------------------------------|
| Julian Bartlett
BEng MCIHT FSoRSA | Road Safety Audit Team Leader |
| Christopher Kettell
BSc MCIHT | Road Safety Audit Team Member |
- Julian Bartlett holds a National Highways Certificate of Competency in Road Safety Audit gained through the education route.
- 1.4 The following documents and drawings were made available to the Audit Team for this safety audit:

Drawings

Drawing Number	Rev	Title
AP01	-	Vehicle Swept Path For 3.5T Transit Van
AP01	-	Vehicle Swept Path For 3.5T Transit Van
845 04	J	Proposed Site Plan
845 06	A	Site Block Plan & Location Plan
21505-C-001-A	-	Drainage Strategy Plan

Documents

None Provided

Departures,

None Identified

- 1.5 The Audit Team undertook a site visit on 12th December 2023 during the early afternoon, outside of peak traffic flow times between 12:45 and 13:45. It was raining during the site visit and the road surface was wet. Vehicle movements were limited with only a single car seen accessing Water Street, however a fuel oil delivery vehicle partially blocked the street while undertaking a delivery.. Some on street parking was seen, despite some spaces being available in the abutting cart park. No cycle, motorcycle or pedestrian movements were seen.
- 1.6 The scheme has been examined and this report compiled only regarding the safety implications for road users of the scheme as presented. It has not been examined or verified for compliance with any other Standards or 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 for information only. Any audit comments should not be construed as implying that a technical audit has been undertaken in any respect.
- 1.7 The terms of reference for the audit are as described in the latest version National Highways Design Manual for Roads and Bridges (DMRB), Volume 5, Section 2, GG119 'Road Safety Audit'. The audit has also been undertaken considering the philosophy outlined in the latest version of CIHT 'Road Safety Guidelines'
- 1.8 The Audit Team have referred to current versions of appropriate design documentation as required while undertaking this audit. Reference texts include but are not limited to the latest versions of
 - Design Manual For Roads And Bridges (DMRB);
 - Manual For Streets;
 - Manual For Streets 2;
 - Highway Construction Details;
 - Specification For Highway Works;
 - Traffic Signs Manual Chapter 6;
 - Traffic Signs Regulations and General Directions (TSRDG); and
 - Local Authority Design Standards and other documentation as provided.
- 1.9 Any recommendations included within this report should not be regarded as being prescriptive design solutions to the problems raised. They are intended only to indicate a proportionate and viable means of eliminating or mitigating the identified problem, in accordance with GG 119, and in no way, imply that a formal design process has been undertaken. There may be alternative methods of addressing a problem which would be equally acceptable in achieving the desired elimination or mitigation and these should be considered when responding to this report.
- 1.10 If issues were identified that are strictly outside the scope of this Road Safety Audit or could not be classified as likely to increase the risk of crashes occurring,

these have been included as Section 3 for completeness. It is also recommended that these are brought to the attention of the highway authority for their consideration if deemed appropriate.

- 1.11 The audit team have reviewed the collision information provided as part of the road safety audit brief. None of the identified collisions have occurred within the area of influence of the proposals. The audit team have been made aware by the designer that a fatal collision occurred at the site of the proposed access improvements involving a vehicle turning right to the site, however no further information was available. During the site visit the audit team noted that several non-standard signs were located on the approach from the A303 overbridge identifying a concealed entrance ahead as well as localised signing to show drivers are unable to turn right to the site. It has been assumed that these signs have been provided as a direct result of the collision that had occurred.
- 1.12 As far as the audit team are aware no previous stages of road safety audit have been undertaken on the proposals as presented for this road safety audit.

2 ISSUES RAISED BY THIS STAGE 1 / 2 COMBINED ROAD SAFETY AUDIT

2.1 Problems in this Audit will be identified linearly and by drawing number.

Drg AP01 Rev

2.2 The drawing show swept path movements for a 3.5T van accessing Water Street and the site left, all movements are contained within the available carriageway space and as such do not give rise to concern.

Drg AP01 Rev

2.3 The drawing show swept path movements for a 3.5T van exiting Water Street and the site left to the A474, all movements are contained within the available carriageway space and as such do not give rise to concern.

Drg 845 04 Rev J

2.4 After due and careful consideration no issues have been identified in terms of highway road safety from the information provided on this drawing at this Stage of Audit

Drg 845 06 Rev A

2.5 The drawing shows the extent of the site and land available, as such the information provided has little direct impact on the findings of this audit.

Drg 21505-C-001-A Rev

2.6 After due and careful consideration no issues have been identified in terms of highway road safety from the information provided on this drawing at this Stage of Audit.

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3 ISSUES OUTSIDE THE SCOPE OF THIS ROAD SAFETY AUDIT

- 3.1 No swept path movements have been provided for a refuse vehicle accessing Water Street, however these movements are currently undertaken and as such it does not give rise to concern in terms of this audit. It is noted however that there is no indication on the drawings as to a refuse collection point for the properties to the rear of the development.
- 3.2 No standard highway construction details have been provided to the audit team, it has been assumed that these will be provided for or agreed with the local highway authority prior to construction.
- 3.3 While not a road safety issue on street parking to the south of Water Street will make movements to the proposed off-street parking for plots two to six inclusive difficult. It may be beneficial to discuss this with the local highway authority, in terms of the provision of parking restrictions and / or making spaces available for residents in the abutting car park area.

4 AUDIT TEAM STATEMENT

We certify that this Audit has been carried out adopting the principles contained in the National Highways standard GG 119 'Road Safety Audits' and in line with the philosophy outlined in the CIHT 'Road Safety Guidelines' 2020 Edition.

Road Safety Audit Team Leader

Name: Julian Bartlett

Signed:



Position: Director

Organisation J Bartlett Consulting Ltd

Date: 15th December 2023

Road Safety Audit Team Member

Name: Christopher Kettell

Signed:



Position: Associate

Organisation J Bartlett Consulting Ltd

Date: 15th December 2023

Contact Details as per record sheet

5 AUDIT LOCATION PLAN

Not required as no issues have been identified