

18039-01-002

**Proposed Residential Development
at Lands at Capdoo & Abbeylands,
Clane, Co. Kildare**

ROAD SAFETY AUDIT STAGE 1 / 2

October 2019

ROADPLAN
CONSULTING

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1. INTRODUCTION

- 1.1 This report describes a Stage 1 / 2 Road Safety Audit carried out on the proposed residential development at Lands at Capdoo & Abbeylands, Clane, Co. Kildare on behalf of Westar Investments Limited. The audit was carried out on the 04th of October 2019 in the offices of Roadplan Consulting, Kilkenny.
- 1.2 The audit team members were as follows:-

George Frisby, BE CEng MIEI;

Richard Frisby, BSc AEng MIEI;
- 1.3 Both audit team members visited the site. The audit comprised an examination of the drawings relating to the scheme supplied by Brian Connolly Associates and an examination of the site.
- 1.4 This Stage 1 / 2 Audit has been carried out in accordance with the relevant sections of TII GE-STY-01024. The team has examined only those issues within the design relating to the road safety implications of the scheme, and has therefore not examined or verified the compliance of the design to any other criteria.
- 1.5 All of the problems described in this report are considered by the audit team to require action in order to improve the safety of the scheme and minimise accident occurrence.
- 1.6 Appendix A describes the audited drawings.
- 1.7 The brief of the audit covers the proposed access to the residential development and crèche block from Brooklands Housing Estate access road, the proposed access to the residential development from Alexandra Walk and the proposed internal layouts of the residential and crèche developments.

2. STAGE 1/2 AUDIT

2.1 Problem

Adequate pedestrian crossing facilities are not shown to be provided at pedestrian crossing locations within the proposed development. This may result in an increase in pedestrians being struck by a passing vehicle due to inadequate crossing facilities at pedestrian crossing locations.

Recommendation

Provide adequate pedestrian facilities such as dropped kerbs and tactile paving at all crossing points to cater for the pedestrian desired lines within the proposed development.

2.2 Problem

There is no adequate footpath link provided to cater for pedestrians accessing apartment block B from the proposed car parking facilities.

Recommendation

Provide an adequate footpath link to cater for pedestrian accessing apartment block B from the proposed car park.

2.3 Problem

Low radius bends are proposed on the access road to apartment blocks A – C adjacent to parking bay 20 and parking bay 49. Two vehicles may have difficulty in passing one another on these bends which may lead to a side swipe collision. Stopping sight distance at the bends may also be restricted by the proposed parking on the inside of the bends.

Recommendation

Revise the layout at the bends to ensure that two vehicles can safely pass one another and that adequate stopping sight distance is provided.

2.4 Problem

Road markings and signage are not shown to be provided at the proposed residential access onto Brooklands, the proposed crèche access onto Brooklands and all the internal junctions. This may lead to collisions at the junctions as priority at the junctions may be unclear.

Recommendation

Provide adequate junction control to clearly define vehicular priority at all junctions.

2.5 Problem

A low radius bend is proposed along the access road connecting to Alexandra Walk. Two vehicles may have difficulty in passing one another on this bend which may lead to a side swipe collision.

Recommendation

Revise the layout at the bend to ensure that two vehicles can safely pass one another.

3. Comments and Observations

3.1 Comment

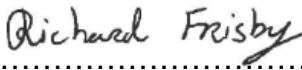
It is assumed that street lighting will be provided at the proposed access to the residential development, at the access to the crèche and in all areas within the proposed development.

3. AUDIT TEAM STATEMENT

3.1 We certify that we have examined the drawing listed in Appendix A and have inspected the site. This examination 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.

Signed.....  George Frisby

Date04th October 2019.....

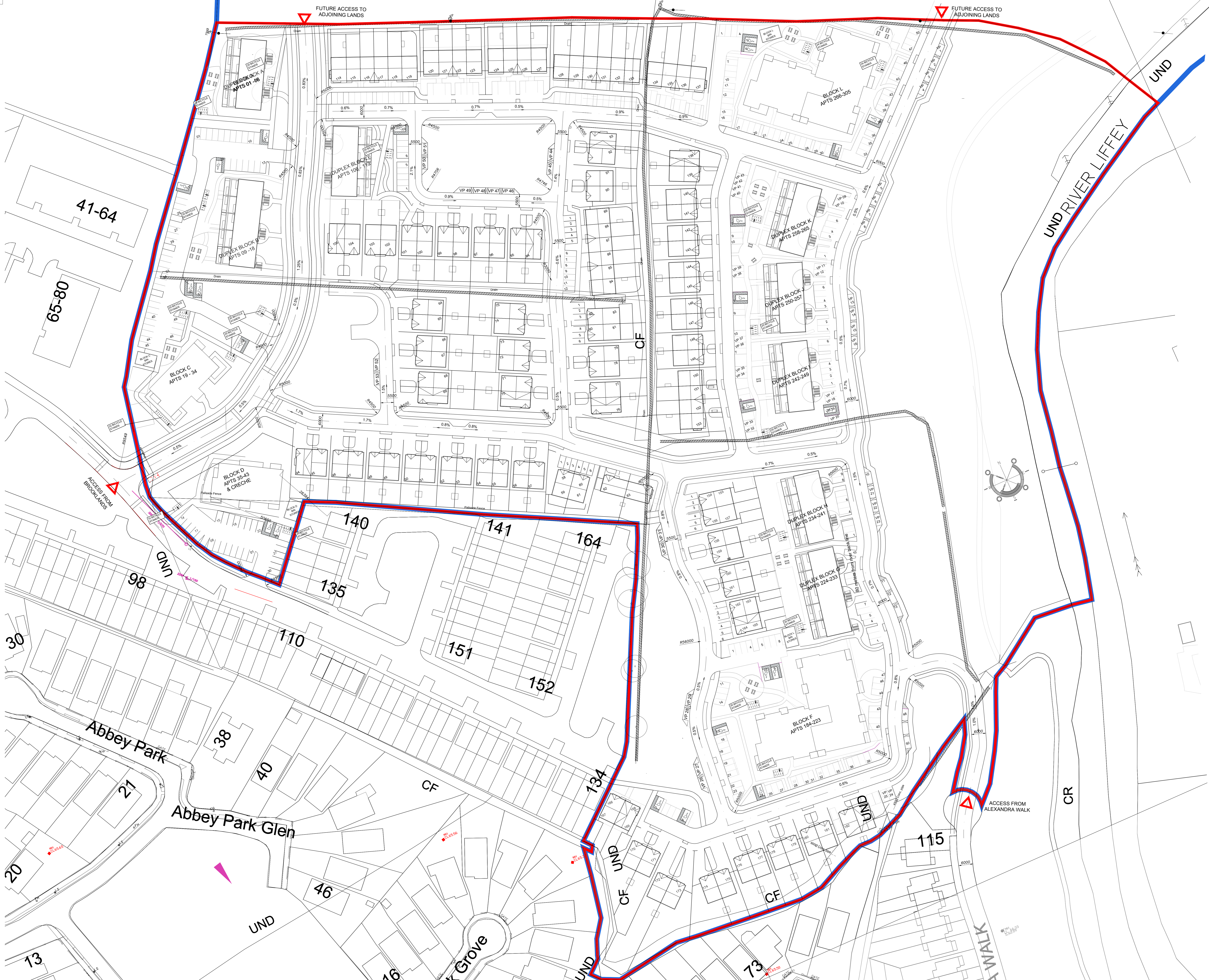
Signed.....  Richard Frisby

Date04th October 2019.....

APPENDIX A

List of Drawings Examined:

Drawing numbered 308D and entitled 'Swept Path Analysis – Road Signage' provided electronically in PDF format by Brian Connolly Associates.



The Developer/Contractor/Builder is to ensure that the building under construction/alteration is to comply where applicable with the 2010 Building Regulations in respect of all trades involved in the construction of this development.

The Developer/Contractor/Builder should notify BCA of any intended deviations from these plans prior to commencement of development.

All Site Development works to be carried out in accordance with the Recommendations for Site Development Works for Housing Areas' Dept. of Environment.

Contractors must verify all dimensions at the job before commencing any work. No working dimensions to be scaled. This drawing is for the purpose of planning only. Dimensions to blockwork only.

Revision	Date	Rev.
31-01-19 - A		Revised to accommodate updated site
13-02-19 - B		Updated boundary treatments
25-09-19 - C		Revised blocks C & L bin store & parking
03-10-19 - D		Updated car parking arrangements

Client: Westar Investments Ltd.

Job: Clane KDA1 SHD

Location: Clane & Abbeylands, Dublin Road, Clane, Co. Kildare

Drawing Title: Swept Path Analysis & Road Signage

CCG brian connolly associates
CONSULTING ENGINEERS

BSc Eng. MSc. DIC. C.Eng. MEMI
The Bude, "The Old Mill", Clane, Co. Kildare. 196/82/11 196/82/05
e: bcassoc@eircom.net

Planning - SHD 02a	
job no	18052
date	02.11.18
scale	AS SHOWN
drawn by	Brian Connolly
cad ref no	
planning ref no	300
fee ref no	
drawing no.	308D

SAFETY AUDIT FEEDBACK FORM

Scheme: Residential Development at Brooklands, Clane, Co Kildare

Document Number: 18039-02-003

Audit Stage: 1 / 2

Date Audit Completed: 04th October 2019

Paragraph No. in Safety Audit Report	To Be Completed By Designer			To Be Completed by Audit Team Leader
	Problem accepted (yes/no)	Recommended measure accepted (yes/no)	Describe alternative measure(s). Give reasons for not accepting recommended measure	Alternative measures or reasons accepted by auditors (yes/no)
2.1	Yes	Yes	n/a	—
2.2	Yes	Yes	n/a	—
2.3	Yes	Yes	n/a	—
2.4	Yes	Yes	n/a	—
2.5	Yes	Yes	n/a	—

Safety Audit Signed off Brian Connolly Design Team Leader

Print NameBrian Connolly..

Date 17th Oct. 2019

Safety Audit Signed off Patrick Farmer Employer

Print Name ..PATRICK FARMER..

Date ..17th Oct. 2019

Safety Audit Signed off George Frisby Audit Team Leader

Print Name ..GEORGE FRISBY..

Date ..17/10/19

Please complete and return to: Roadplan Consulting Ltd.
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