

20076-02-002

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

ROAD SAFETY AUDIT STAGE 1 / 2

December 2020



7, Ormonde Road
Kilkenny.
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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 07th of December 2020 in the offices of Roadplan Consulting, Kilkenny.
- 1.2 The audit team members were as follows:-
 - George Frisby, BE CEng MIEI
Auditor Number GF51255
 - Richard Frisby, BSc AEng MIEI
Auditor Number RF1337391
- 1.3 Both audit team members visited the site. The audit comprised an examination of the drawings relating to the scheme supplied by Westar Investment Ltd. 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 at Alexander Walk and the proposed internal layout of the residential development (indicated in red on the site layout drawing) and the crèche development.

2. STAGE 1/2 AUDIT

2.1 Problem

There are 2 no. locations where a raised ramp is provided adjacent to parking spaces. Drivers of vehicles may have difficulty in accessing these parking spaces which may contribute to a collision at these locations. In addition, it is unclear whether adequate inter-visibility is provided between drivers of vehicles approaching the pedestrian crossings and pedestrians stopped waiting to cross at the pedestrian crossings. Obstructions to visibility may include planting and parked vehicles adjacent to the pedestrian crossings.

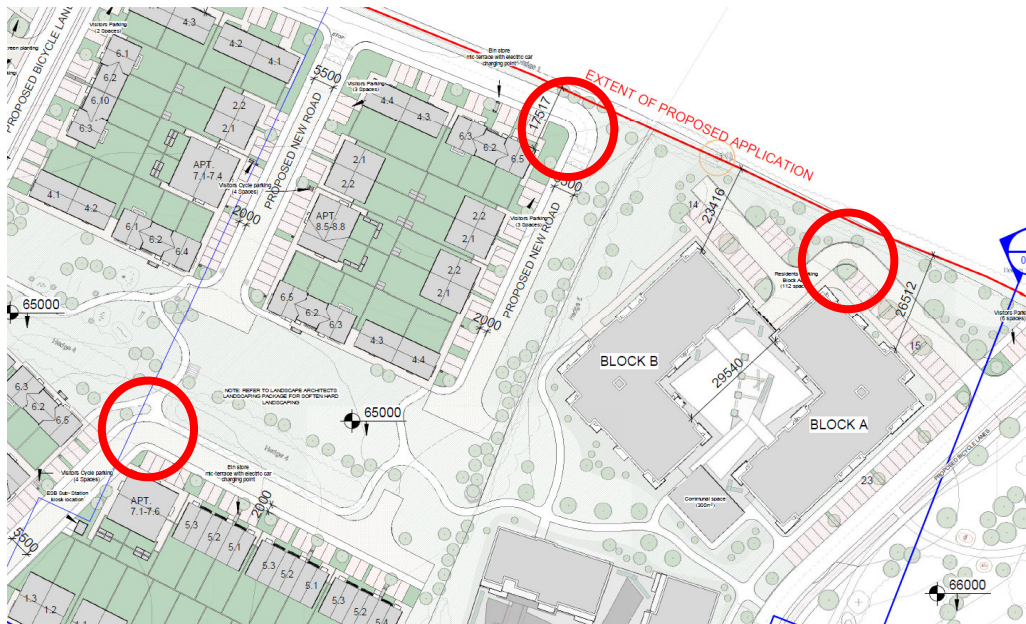


Recommendation

Ensure the raised ramps do not interfere with drivers of vehicles accessing the parking spaces and ensure adequate inter-visibility is provided between drivers of vehicles approaching the pedestrian crossings and pedestrians stopped waiting to cross at the pedestrian crossings.

2.2 Problem

A Low radius bend is proposed at a number of locations within the proposed development. Two vehicles may have difficulty in passing one another at these location which may lead to a side swipe collision. Stopping sight distance at the bend may also be restricted by the proposed parking and boundary treatment on the inside of the bend.

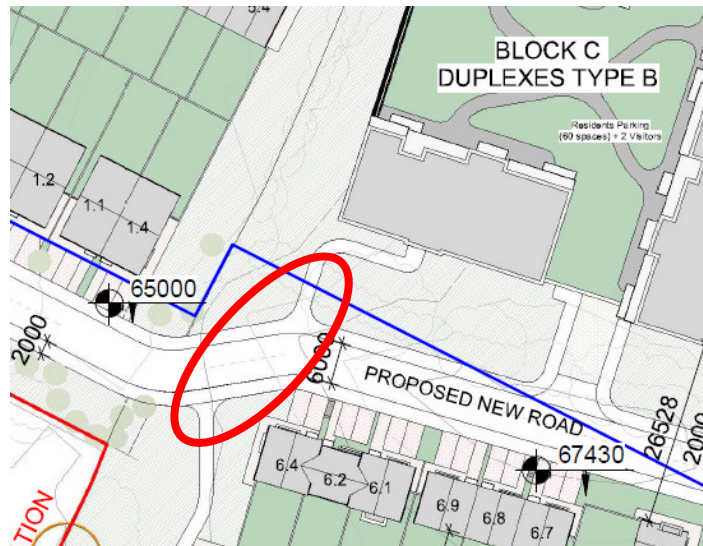


Recommendation

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

2.3 Problem

A pedestrian crossing is proposed adjacent to duplex dwellings at block C. However, the footpath on either side of the crossing do not align with one another which may lead to difficulties for visually impaired pedestrians crossing at this location

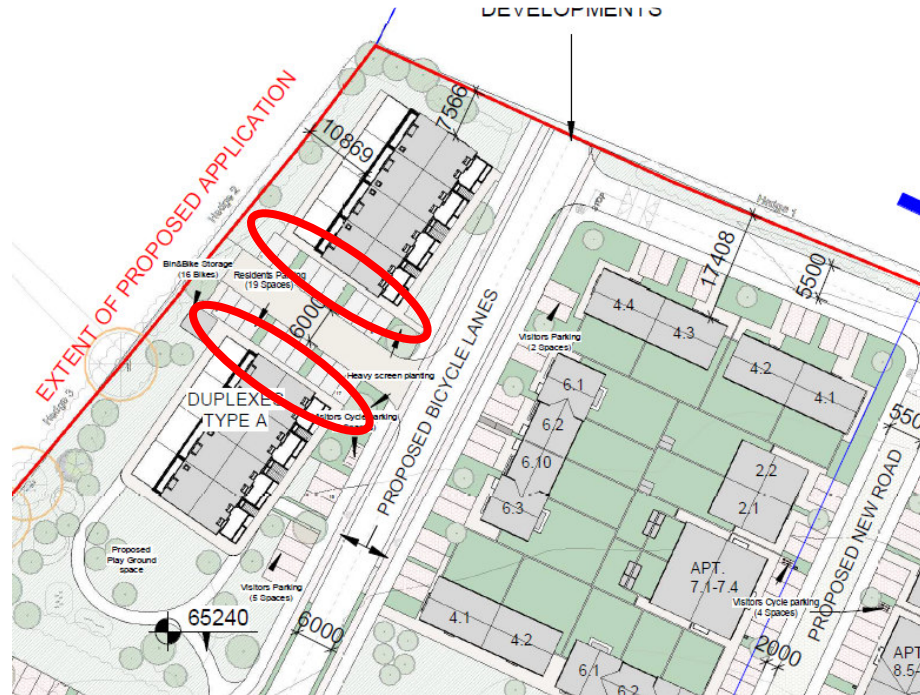


Recommendation

Revise the layout of the pedestrian crossing at this location to ensure that the correct alignment is provided.

2.4 Problem

Adequate footpath width is not provided to cater for pedestrians travelling from the parking spaces to the duplex dwellings located in the north western section of the development. This may lead to pedestrians stepping out onto the carriageway where they would be at an increased risk of being struck by a passing vehicle.



Recommendation

Provide adequate footpath width at these locations to cater for pedestrian movement.

2.5 Problem

Road markings and signage are not shown to be provided at all the internal junction within the proposed development. 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 the internal junctions.

2.6 Problem

Crossing facilities such as tactile paving and dropped kerbs are not shown to be provided for pedestrians at the public road and within the proposed development.

Recommendation

Provide dropped kerbs and tactile paving at the access junction, at the junctions within the proposed development, and at other locations within the development where pedestrians are expected to cross.

2.7 **Problem**

No street lighting is not shown to be provided within the proposed development. Road safety would be enhanced with the provision of street lighting.

Recommendation

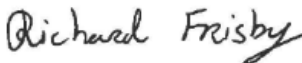
Provide adequate street within the proposed development.

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

Date07th December 2020.....

Signed.....  Richard Frisby

Date07th December 2020.....

APPENDIX A

List of Drawings Examined

The following drawing numbered have been provided electronically in Pdf and format by Westar Investment Ltd.

Drawing number	Rev	Drawing title
PE20057-CWO-ZZ-ZZ-DR-A-0001	P09	Proposed Site Layout