

23043-01-001

**St. John's Convent,
New Street, Rathangan**

ROAD SAFETY AUDIT STAGE 1 / 2

Septmeber 2023



7, Ormonde Road
Kilkenny
R95 N4FE

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www.roadplan.ie

1. INTRODUCTION

- 1.1 This report describes a Stage 1 / 2 Road Safety Audit carried out at the proposed development St. John's Convent, New Street, Rathangan on behalf of Walsh Associates. The audit was carried out on 18th July 2023 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
 - Jince Philip Zachariah, PhD CEng.
Observer
- 1.3 Both audit team members visited the site on the 11th July 2023. The audit comprised an examination of the drawings relating to the scheme supplied by Walsh Architects and an examination of the site.
- 1.4 The proposed development features 24 residential units at New Street (R414), Rathangan, Co. Kildare.



- 1.5 The speed limit of road at the site entrance is 50 km/h.
- 1.6 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.

- 1.7 All 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.
- 1.8 Appendix A describes the audited drawings.

2. STAGE 1 / 2 AUDIT

2.1 Problem

Intervisibility between drivers of vehicles exiting the proposed development and pedestrians travelling along the existing footpath may be restricted by the proposed boundary walls and piers either side of the access. A lack of adequate intervisibility at this location may contribute to a pedestrian collision at the proposed access.

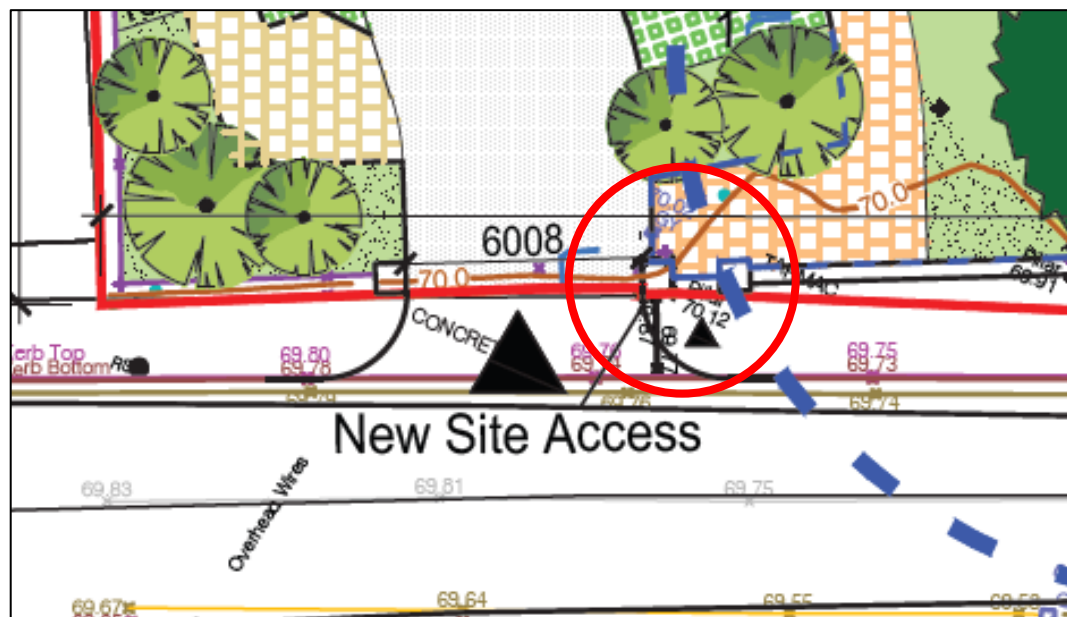


Recommendation

Revise the layout to ensure that adequate intervisibility between drivers of vehicles exiting the proposed development and pedestrians travelling along the existing footpath is provided.

2.2 Problem

The proposed pedestrian access to the development from the R414 adjacent to the vehicular access appears to be narrow. As a result, mobility impaired pedestrians may not be able to use this access and instead access the proposed development via the vehicular access which would increase the risk of a collision at this location.

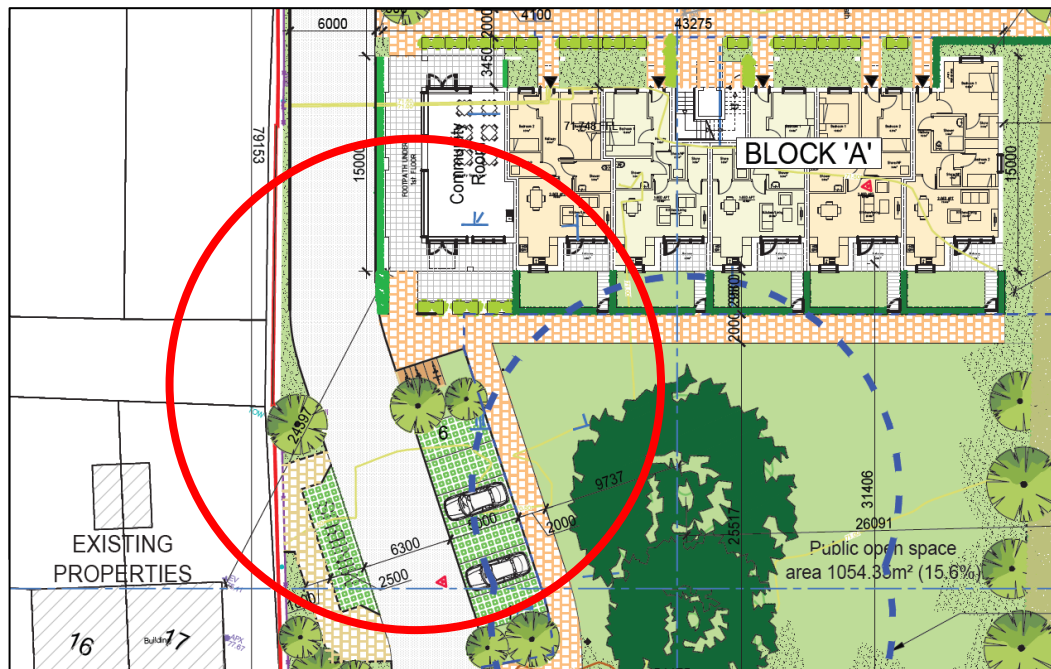


Recommendation

Ensure that the proposed pedestrian access is sufficiently wide to cater for mobility impaired pedestrians.

2.3 Problem

A minibus set-down area is proposed within the development on the west side of the access road with a footpath to the rear of the set-down area. However, the main footpath linking to the housing units within the development is located on the east side of the access road and an appropriate link to this footpath is not shown to be provided from the minibus set-down area. A lack of an appropriate footpath link may result in pedestrians travelling along the access road where they would be at an increased risk of being struck by a passing vehicle.



Recommendation

Provide an adequate footpath link from the minibus set-down to the proposed footpath on the east side of the access road.

2.4 Problem

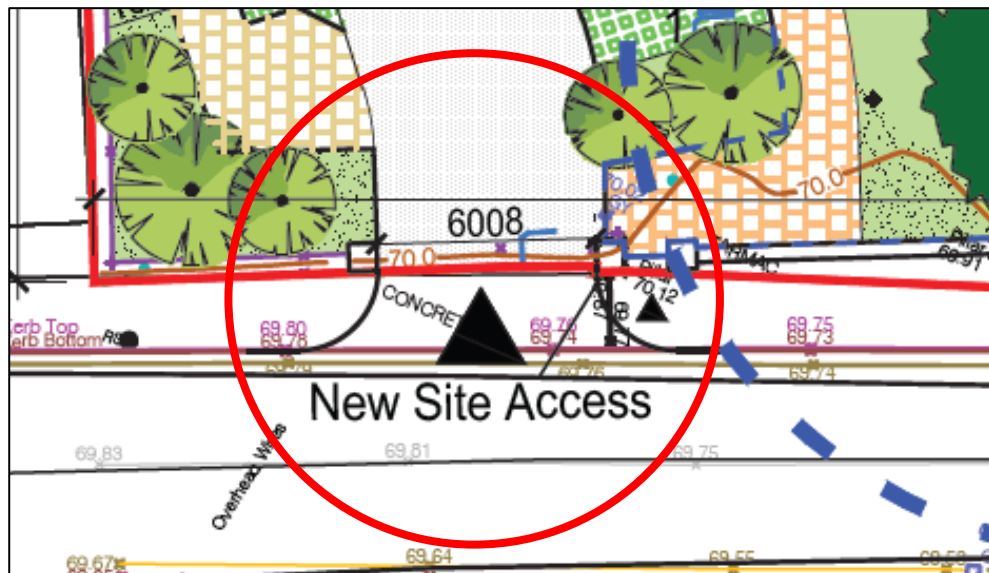
A minibus set-down area and parking spaces are proposed immediately within the development in close proximity to its junction with the R414. Intervisibility between drivers of vehicles entering the proposed development and drivers of vehicles turning to and from these parking spaces may be restricted by the proposed roadside boundaries. A lack of adequate intervisibility may contribute to a collision at this location.

Recommendation

Provide measures to ensure that adequate intervisibility between drivers of vehicles entering the proposed development and drivers of vehicles turning to and from these parking spaces is provided. Such measures could include lowering the roadside boundaries, provision of a raised crossing at the proposed access etc.

2.5 Problem

At the proposed access the kerbline is shown to be returned with priority given to drivers of vehicles entering and exiting at the access. Dropped kerbs and tactile paving are not shown to be provided to cater for mobility impaired pedestrians crossing at the proposed access. A lack of adequate pedestrian facilities may increase collision risk at this location.

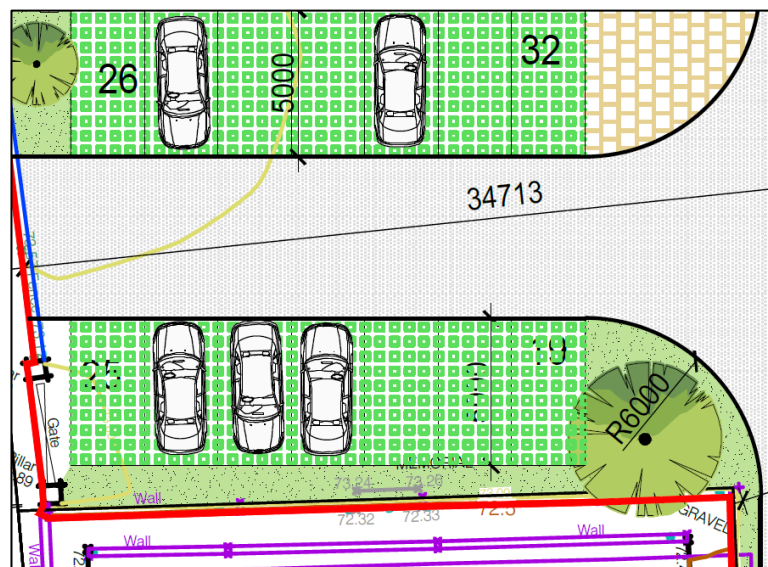


Recommendation

In conjunction with recommendation 2.4 above, provide priority to pedestrians at the access. Alternatively, provide dropped kerbs and tactile paving either side of the access.

2.6 Problem

A footpath is not shown to be provided to accommodate pedestrians travelling to and from the parking spaces on the south side of the turning head within the proposed development. A lack of an appropriate footpath link may result in pedestrians travelling along the access road where they would be at an increased risk of being struck by a passing vehicle.



Recommendation

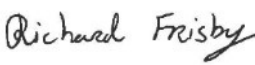
Provide an adequate footpath link from these parking spaces to the proposed footpath on the east side of the access road.

3. AUDIT TEAM STATEMENT

- 3.1 We certify that we have examined the drawings 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

Date 18th July 2023.....

Signed.....  Richard Frisby

Date 18th July 2023

APPENDIX A

List of Drawings Examined

The following drawings have been provided electronically in PDF format by Walsh Associates:

Drawing number	Rev	Drawing title
P-004		PROPOSED SITE LAYOUT PLAN
SK-010A		SITE LOCATION MAP



Site Area = 6761.7m² (0.67ha)

Proposed Units Schedule:

BUILDING 'A' - 12 Dwellings

- 1 No. Community Room
- 7 No. 1-Bed/2 Person Apartment
- 5 No. 2-Bed/3 Person Apartment

BUILDING 'B' - 12 Dwellings

- 4 No. 1-Bed/2 Person Apartment
- 8 No. 2-Bed/3 Person Apartment

UNITS TYPES BREAKDOWN:

- 1 No. Community Room
- 11 No. 1-Bed/2 Person Apartment
- 13 No. 2-Bed/3 Person Apartment
- in total:
- 24No. Units & 1No. Community Room

Density: 35uph

Plot Ratio: 0.26

Site Coverage: 14%

Public open space = 1054.4 m² (15.6%)
Communal open space=1892.5m² (28%)

32 No. Car park Spaces Provided, including:
6 No. Visitors car park spaces,
2 No. of designated car park spaces,
7 No. spaces with charging point,
plus 1 No. Minibus Drop Off Space

36No. long-stay, Secured Bicycle Parking Spaces (1space/ units)
and 12No. short-stay, Bicycle Parking Stands (1space/2 units)

Proposed Site Layout Plan
Scale 1:500 @ A3

ORDNANCE SURVEY LICENCE NUMBER
CYAL50314133
OS Sheet Nos.: 3553-B
ITM Co-ordinates: X = 667373.2126,Y =719600.2004

REVISIONS AFTER LAST PLOT:	



PROJECT: Development at St John's Convent,
New Street, Rathangan,
Co. Kildare

DRAWING: PROPOSED SITE LAYOUT PLAN

walsh associates
ARCHITECTS & PROJECT MANAGERS
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DATE: 19/06/2023
DRAWN: RN
K120003P

Stage: PLANNING

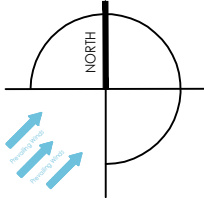
Revision:

SCALE: 1:500@A3
JOB NO.: 20003
DWG. NO.: P-004

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ORDNANCE SURVEY
LICENCE NUMBER
CYAL50314133
OS Sheet Nos.
3553-B
ITM Co-ordinates
X = 667373.2126
Y =719600.2004



LEGEND
SITE BOUNDARY
= 6761.7 m² (0.676 ha)

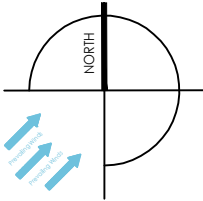
REVISIONS AFTER LAST PLOT:	



PROJECT: Development at St John's Convent, New Street, Rathangan, Co. Kildare	DATE: 04/05/2022	SCALE: 1:2500@A3
	DRAWN: RN	JOB NO. 20003
DRAWING: SITE LOCATION MAP	K:\Dr\20003\SK	DWG. NO. SK-010A
	Stage: PRE-PLANNING	Revision:
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ORDNANCE SURVEY
LICENCE NUMBER
CYAL50314133
OS Sheet Nos.
3553-B
ITM Co-ordinates
X = 667373.2126
Y =719600.2004



LEGEND
— SITE BOUNDARY
= 6761.7 m² (0.676 ha)

Stage:
PRE-PLANNING

REVISIONS AFTER LAST PLOT:	




PROJECT: Development at St John's Convent, New Street, Rathangan, Co. Kildare	DATE: 04/05/2022	SCALE: 1:1000 @A4
DRAWING: SITE LOCATION MAP	DRAWN: RN	JOB NO. 20003
	K:\Dn20003\SK	DWG. NO. SK-010
		Revision
walsh associates ARCHITECTS & PROJECT MANAGERS		
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ORDNANCE SURVEY LICENCE NUMBER
CYAL50314133
OS Sheet Nos.: 3553-B
ITM Co-ordinates: X = 667373.2126,Y =719600.2004

REVISIONS AFTER LAST PLOT:	



PROJECT:	Development at St John's Convent, New Street, Rathangan, Co. Kildare	DATE:	04/05/2022		SCALE:	1:500@A3	
		DRAWN:	RN		JOB NO.		
		K1/20003/SK			20003	DWG. NO. SK-011	
DRAWING:	EXISTING SITE LAYOUT PLAN		Stage:		Revision:		
			PRE-PLANNING				
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Site Area = 6761.7m² (0.67ha)

Proposed Units Schedule:

BUILDING 'A' - 13 Dwellings

1 No. Community Room
4 No. 1-Bed/2 Person Apartment
9No. 2-Bed/3 Person Apartment

BUILDING 'B' - 14 Dwellings

4 No. 1-Bed/2 Person Apartment
10 No. 2-Bed/3 Person Apartment

UNITS TYPES BREAKDOWN:

1 No. Community Room
8 No. 1-Bed/2 Person Apartment
19 No. 2-Bed/3 Person Apartment
in total:
27No. Units & 1No. Community Room

Density: 40uph

Plot Ratio: 0.27

Site Coverage: 20%

Public open space = 1061.4 m² (15.7%)
Communal open space= 2065 m² (30.5%)

33 No. Car park Spaces Provided,
including:
6 No. Visitors car park spaces,
2 No. of designated car park spaces,
4 No. spaces with charging point,
plus 1 No. Minibus Drop Off Space

27No. long-stay, Secured Bicycle Parking
Spaces (1space/ units)
and 14No. short-stay, Bicycle Parking
Stands (1space/2 units)

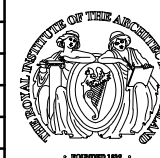
Proposed Site Layout Plan

Scale 1:500 @ A3

ORDNANCE SURVEY LICENCE NUMBER
CYAL50314133
OS Sheet Nos.: 3553-B
ITM Co-ordinates: X = 667373.2126,Y =719600.2004

REVISIONS AFTER LAST PLOT:

24/06/22	Rev 01: New Site Access Location
14/10/22	Rev 02 - 33 car park spaces
24/01/23	Rev 03 - GF Layouts updated, minibus space added
25/01/23	Rev 04 - Revised Bin/Bicycle Storages



PROJECT: Development at St John's Convent,
New Street, Rathangan,
Co. Kildare
DRAWING: PROPOSED SITE LAYOUT PLAN
walsh associates
ARCHITECTS & PROJECT MANAGERS
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DATE: 04/05/2022
DRAWN: RN
K/20003/SK
Stage: SKETCH
Revision: 04
JOB NO.: 20003
DWG. NO.: SK-012
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SAFETY AUDIT FEEDBACK FORM

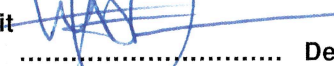
Scheme: Proposed Development at St. John's Convent, New Street, Rathangan

Document Number: 23043-01-001

Audit Stage: Stage 1 / 2 RSA

Date Audit Completed: 18th July 2023

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. Only complete if recommended measure is not accepted.	Alternative measures or reasons accepted by auditors (yes/no)
2.1	YES	YES	-----	-----
2.2	YES	YES	-----	-----
2.3	YES	YES	-----	-----
2.4	YES	YES	-----	-----
2.5	YES	YES	-----	-----
2.6	YES	YES	-----	-----

Safety Audit Signed off  Design Team Leader

Print Name DONAL WALSH

Date 30-08-2023

Safety Audit Signed off  Employer

Print Name KEVIN McLOMMEK

Date 30/8/23

Safety Audit Signed off  Audit Team Leader

Print Name George Frisby

Date 1/9/23

Please complete and return to:

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7, Ormonde Road
Kilkenny
E-mail: info@roadplan.ie