

For: Dublin City Council

Proposed Residential Development, Saint Andrew's Court  
Fenian Street, Dublin City

Status: Part VIII Planning



Road Safety Audit Stage 1 and 2

**August 2024**



**MHL & Associates Ltd.**  
**Consulting Engineers**



## Document Control Sheet

<b>Client</b>	Dublin City Council
<b>Project Title</b>	Proposed Residential Development, Saint Andrew's Court
<b>Project Location</b>	Fenian Street, Dublin City
<b>Document Title</b>	Road Safety Audit Stage 1 and 2
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<b>Job No.</b>	21055TT

Rev	Status	Author	Reviewed By	Approved By	Date
	Internal Draft	J.Daly	-	-	24-July - 2022
A	External Draft	J.Daly	B.Loughrey	B.Loughrey	24-July - 2022
B	Client Issue	J.Daly	B.Loughrey	B.Loughrey	08-Aug - 2022
C	Client Issue	J.Daly	B.Loughrey	B.Loughrey	21-Jun - 2024
D	Client Issue	J.Daly	B.Loughrey	B.Loughrey	30-Aug - 2024

**For: Part VIII Planning**

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## 1 NON TECHNICAL SUMMARY

M.H.L. & Associates Ltd. Consulting Engineers have been engaged by Dublin City Council to prepare a Road Safety Audit (RSA) to supplement a Part VIII planning application process for a proposed residential complex on an existing brown field site, located adjacent to Fenian Street, Dublin City. The site is currently an unoccupied dwelling.

The planning application is for the construction of 1 no building unit, comprising a mix of 1, 2 and 3 no. bed apartments. Maintenance access to the proposed development is via a new entrance to the site with Fenian Street and fire/emergency access is from the south, accessing Fenian Street and Sandwith Street Upper.

As per the TII Publication GE-STY-01024 an RSA should consider the road safety of a development where the "results in a change to the road or roadside layout that is initiated and/or executed for commercial or private development".

The Audit Team consists of Brian Loughrey (team leader, TII Ref No. BL68284) and James Daly (team member) of MHL Consulting Engineers.

A site visit was undertaken by audit team on Wednesday 07/06/2024. The weather at the time of the audit was overcast.

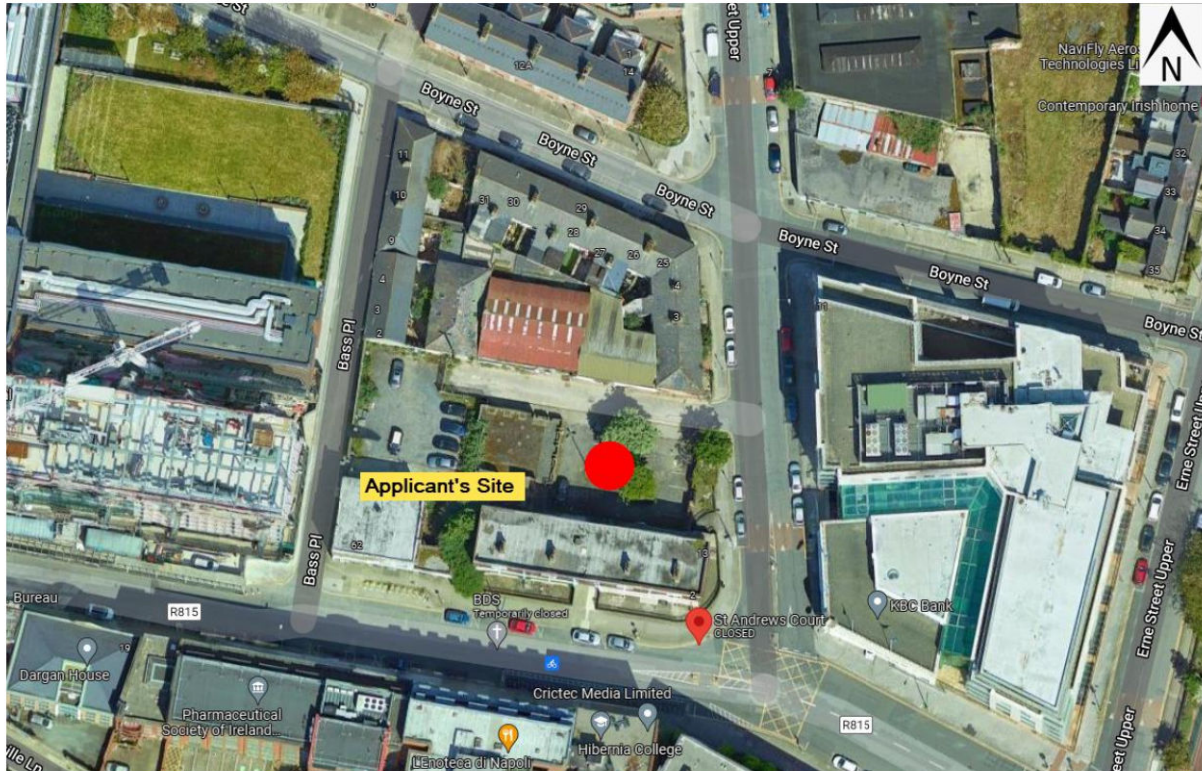
Information provided to assist the audit consists of the drawings and documents listed in Appendix B. The information provided was considered adequate in terms of detail for the purpose of carrying out a Stage 1 and 2 Road Safety Audit.

No previous Road Safety Audit reports were provided in relation to the development.

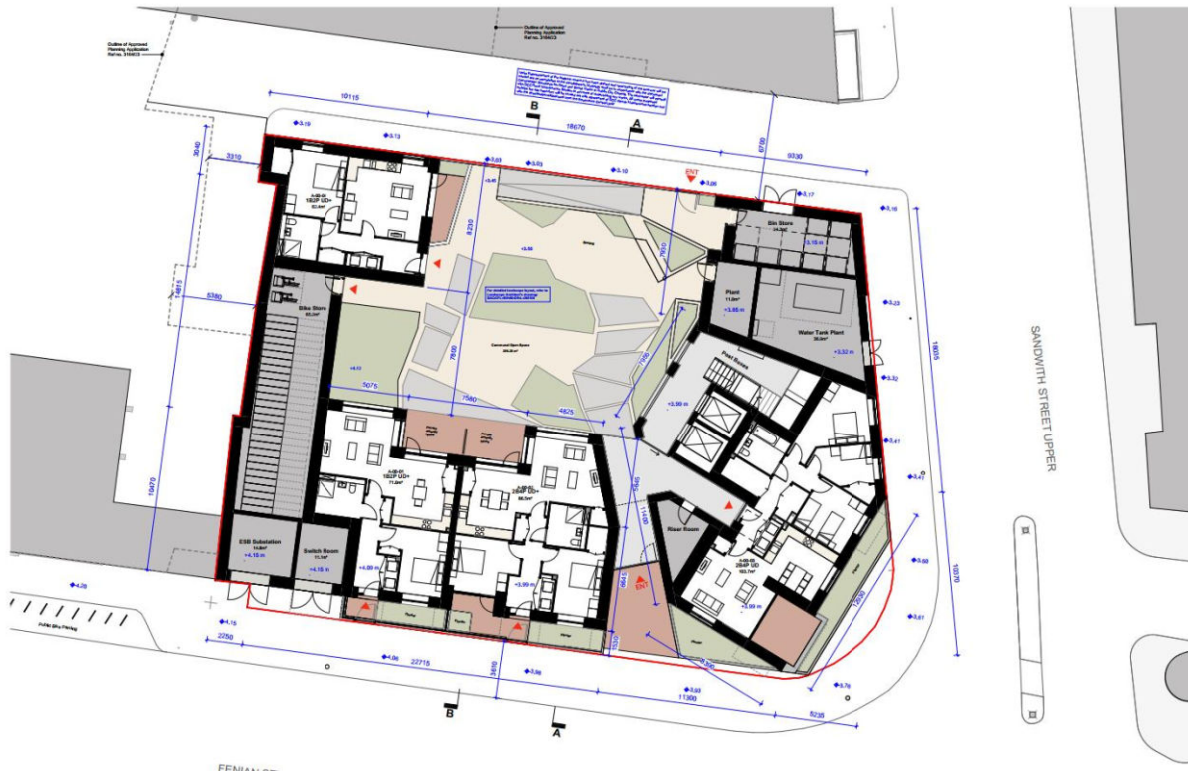
No specific Road Collision data was provided to the audit team. The RSA Road Collision database was not available at the time of preparation of the audit due to GDPR concerns. The RSA is carrying out a review of its policies and procedures in relation to collision data sharing in light of GDPR and are seeking advice from experts on the most appropriate next steps in terms of mapping collisions.

The Audit has been carried out in accordance with the relevant sections of TII Publication GE-STY-01024 (formerly NRA HD 19/15), "Road Safety Audit". The scheme has not been examined or verified for compliance with any other standards or criteria. The team drove the local road network and walked the road along the site road boundaries and compiled a list of road safety problems and associated recommendations which are presented in this report. Appendix A contains some photographs of the site.

An Audit Team Statement is included at the end of the Report. Appendix D contains the Safety Audit Feedback Form.



**Figure.1.1 Site Location**



**Figure 1.2 Proposed Development site (ODT)**

## 2 AUDIT ISSUES

### 2.1 PROBLEM 1: PUBLIC LIGHTING

The proposed public lighting design for the site access with the St. Andrew's Court and Long's Place Street has not been provided to the audit team. Poor lighting of the carriageway, surrounding footpaths and at junctions could result in collisions between vehicles, or vehicles and pedestrians, due to poor illuminance.

#### Recommendation 1

Ensure that appropriate public lighting is designed and installed for the development and in the vicinity of the development entrance onto the St. Andrew's Court and Long's Place. Ensure that existing / proposed public street lighting is maintained /integrated and installed in accordance with recommended lighting standards. Proposed roadside lighting that being installed for the adjoining application should be considered in this design.

### 2.2 PROBLEM 2: ROAD DRAINAGE

The proposed drainage layouts do not indicate the locations of existing or proposed gullies, and no drainage proposals for the nearby road carriageways were provided to the audit team. The absence of adequate drainage measures could lead to water accumulation, resulting in aquaplaning and unsafe driving conditions, which may increase the risk of collisions between vehicles and pedestrians on the local public road.

#### Recommendation 2

Ensure that appropriate drainage measures are implemented along the nearby public road carriageway that directly abound the north of the site and that existing drainage gullies on Fenian St. and Sandwich St. Upper are properly maintained and upgraded as necessary.

### 2.3 PROBLEM 3: FOOTPATH AND LANEWAY CARRIAGEWAY SURFACE

The proposed scheme's development includes works on the existing footpath and road surface of the laneway located to the north of the site. The existing footpath is in poor condition and incorporates a low kerb. The laneway surface is in poor condition (See site photo in Appendix A). Failure to provide a safe footpath space and laneway carriageway surface, clear of trip hazards and obstacles may lead to pedestrians tripping and falling.

#### Recommendation 3

Construct a new footpath along the laneway in accordance with relevant design standards. Ensure that the connection to the existing footpath presents a safe surface to pedestrians. Install appropriate road carriageway surface to align with new kerb line/ footpath proposals.

**3 AUDIT TEAM STATEMENT**

We certify that we have examined the drawings and documents listed in the Appendix to this Report. The examination has been carried out with the sole purpose of identifying any features of the design that could be removed or modified in order to improve the safety of the scheme. The problems identified have been noted in this report, together with associated safety improvement suggestions, which we recommend should be studied for implementation. The Auditors have not been involved with the scheme design.

Mr Brian Loughrey BE CEng MIEI

Signed: *Brian Loughrey*

Date: 07/06/2024

Mr James Daly, BE CEng MIEI

*James Daly*

Signed: .....

Date: 07/06/2024

## 4 APPENDICES

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## 5 APPENDIX A- PHOTOGRAPHS

### **Sandwith Street Upper**

Sandwith Street Upper is a wide urban road with footways either side of the carriageway.



**Figure 5.1 Sandwith Street Upper**

### **Fenian Street**

Fenian Street is a wide urban road with footways either side of the carriageway. The street host bike share cycle as note in the site photograph.



**Figure 5.2 Fenian Street**



**Figure 5.3 Adjoining Laneway to the north of the site**

## 6 APPENDIX B – DRAWINGS & DOCUMENTS SUBMITTED

DRAWINGS BY: ODT Architects			
Ref.	Rev.	Drawing Title	Scale
Layout Drawings			
SAC-ODT-XX-00-DR-A-800100	P02	Level 00	1:100 @ A1

DRAWINGS BY: MHL & Associates Ltd.			
Ref.	Rev.	Drawing Title	Scale
Layout Drawings			
MHL-SAC-AT-01	_4	Saint Andrew's Court- Autoturn Analysis Sheet 1 (Refuse)	1:200 @ A1
MHL-SAC-AT-02	_4	Saint Andrew's Court- Autoturn Analysis Sheet 1 (Fire Tender)	1:200 @ A1
MHL-SAC-AT-03	_4	Saint Andrew's Court- Autoturn Analysis Sheet 1 (Sewer /Maintenance Truck)	1:200 @ A1
MHL-SAC-AT-04	_4	Saint Andrew's Court- Autoturn Analysis Sheet 1 (Large Fire Tender)	1:200 @ A1
MHL-SAC-AT-05	_4	Saint Andrew's Court- Autoturn Analysis Sheet 1 (ESB Sub Station Access)	1:200 @ A1
MHL-SAC-KL-01	_4	Saint Andrew's Court- Development Proposals Sheet 1	1:200 @ A1
MHL-SAC-KL-02	_4	Saint Andrew's Court- Development Proposals Sheet 2	1:250 @ A1

DRAWINGS BY: Horgan Lynch			
Ref.	Rev.	Drawing Title	Scale
Layout Drawings			
OY19-GC-XXX-DR-HLCE-CE-0002	0	Site Services	As shown

## 7 APPENDIX C- RSA COLLISION STATISTICS

Not available for RSA website

*"The RSA is in the process of reviewing its road traffic collision (RTC) data sharing policies and procedures. Record-level RTC data cannot be shared until this review is complete but we expect this to be finalised in the coming months. At that point, we will have new policies and procedures in place for access to RTC information and data. "*


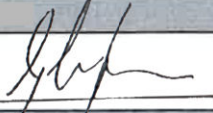

## 8 APPENDIX D- RSA FEEDBACK FORM

Scheme: **Proposed Residential Development, Saint Andrew's Court**

Audit Stage: **1 and 2**

Date Audit Feedback Completed: **09/09/2024**

Paragraph No. in Safety Audit Report	To be completed by the 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	Y	Y	Comment: The existing lighting is to remain in situ, with no upgrades proposed. The contractor will consult with the DCC Lighting Department before undertaking construction works. All proposed works outside the site boundary will be carried out in agreement with DCC and under the direction, permit, or consent of the relevant Department.	
2.2	Y	Y	Comment: Existing gullies on Sandwich St. Upper and Fenian Street are to remain as existing with no works proposed on these carriageways for this application. Resurfacing works on the adjacent laneway to north of the site is to incorporate a new gully, as per Horgan Lynch's Drainage Design layout. The contractor will consult with DCC Drainage Department in advance of undertaking any works. All works proposed outside the site boundary will be carried out with agreement of DCC Roads Maintenance/ Drainage section and with the direction/permit/consent from the Roadworks Control Unit. The drainage proposal is to be confirm with the Active Travel team delivering the ATP for Sandwich St. Upper/ Fenian St.	
2.3	Y	Y	Comment: Reinstatement of the footpath and resurfacing of the adjacent laneway will be carried out on completion of the development. Materials shall be in accordance with the document Construction Standards for Road and Street Works in Dublin City Council. The contractor will consult with DCC Road Maintenance Section in advance of undertaking any works. All works proposed outside the site boundary will be carried out with agreement of DCC Roads Maintenance section and with the direction/permit/consent from the Roadworks Control Unit.	

DESIGNER			
Signed:		ODT.	Date: 10/09/24
CLIENT			
Signed:		DCC	Date: 12/09/2024
AUDIT TEAM LEADER			
Signed:			Date: 12/09/2024



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