

Title: **Stage 1/2 ROAD SAFETY AUDIT**
For;
Mixed Use Residential development at Emmet Road,
Dublin 8.

Client: **OCSC Consulting Engineers/Dublin City Council**

Date: **September 2022**

Report reference: **1621R01**

VERSION: **FINAL (26-9-2022)**

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ST 1/2 RSA – Residential development, Emmet Road, Dublin 8

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1.0 Introduction

This report was prepared in response to a request from Mr. Ian Crehan, OCSC Consulting Engineers, for a Combined Stage 1/2 Road Safety Audit for a proposed residential development at Emmet Road, Dublin 8, on behalf of Dublin City Council.

The Road Safety Audit Team comprised of;

Team Leader: **Norman Bruton**, BE CEng FIEI, Cert Comp RSA.

TII Auditor Approval no. NB 168446

Team Member: **Owen O'Reilly**, B.SC. Eng Dip Struct. Eng NCEA Civil Dip Civil. Eng CEng MIEI

TII Auditor Approval no: OO 1291756

The Road Safety Audit involved the examination of drawings and other material provided by OCSC and a site visit on the 22nd of September 2022.

The weather at the time of the site visits was dry and the road surface was also dry.

This Stage 1/2 Road Safety Audit has been carried out in accordance with the requirements of TII Publication Number GE-STY-01024, dated December 2017.

The scheme has been examined and this report compiled in respect of the consideration of those matters that have an adverse effect on road safety. It has not been examined or verified for compliance with any other standards or criteria.

The problems identified in this report are considered to require action in order to improve the safety of the scheme for road users.

If any of the recommendations within this safety audit report are not accepted, a written response is required, stating reasons for non-acceptance. Comments made within the report under the heading of Observation are intended to be for information only. Written responses to Observations are not required.

The information supplied to the Audit Team is listed in **Appendix A**.

The feedback form is contained in **Appendix B**.

A plan drawing showing the problem locations is contained in **Appendix C**.

ST 1/2 RSA – Residential development, Emmet Road, Dublin 8

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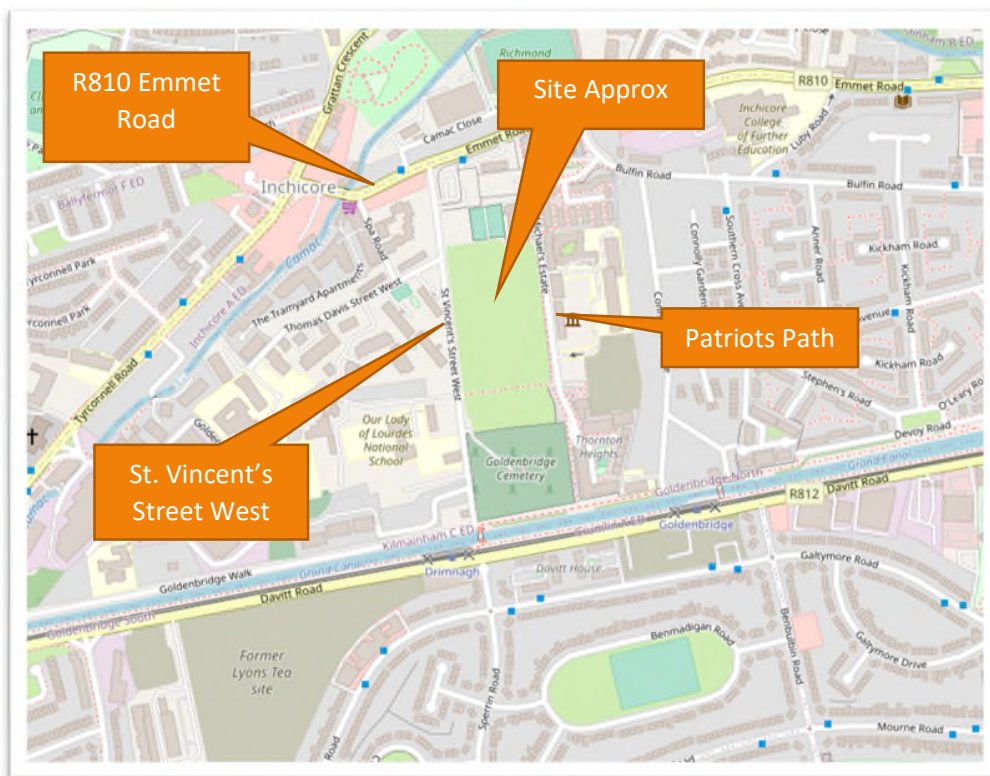
2.0 Background

It is proposed to construct a mixed use residential development between St. Vincent’s Street West and Patriots Path to the South of Emmet Road in Inchicore, Dublin 8.

The scheme would consist of approximately 487 residential units and 91 commercial /mixed use units
It also consists of car and bicycle parking (1,250 spaces).

The speed limit on Emmet Road is 50km/hr and on St. Vincent’s Street West is 30km/hr. There are varying posted speeds on Patriots Path as low as 5km/hr at the entry to Thornton Heights underground car park and residential zone.

The site location map is shown below.



Site location map courtesy of openstreetmap.org

No data was available from the Road Safety Authority’s website on collisions due to an ongoing review of the policy on making such information available.

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3.0 Items Raised in This Road Safety Audit.

3.1 Problem

LOCATION

Drawing B967-OCSC-XX-XX-Dr-C0102 S3 P01

PROBLEM

The proposed vehicular access off St. Vincent Street West is opposite the Thomas David Street West junction. The Thomas Davis Street West junction has a very large radius and turning vehicles do not have to slow to turn right into or left out of the junction. There is a risk that high turning speeds at the new crossroads could lead to collisions with vehicles or vulnerable road users.

*RECOMMENDATION*

It is recommended that the corner radius on Thomas Davis Street West be reduced.

ST 1/2 RSA – Residential development, Emmet Road, Dublin 8

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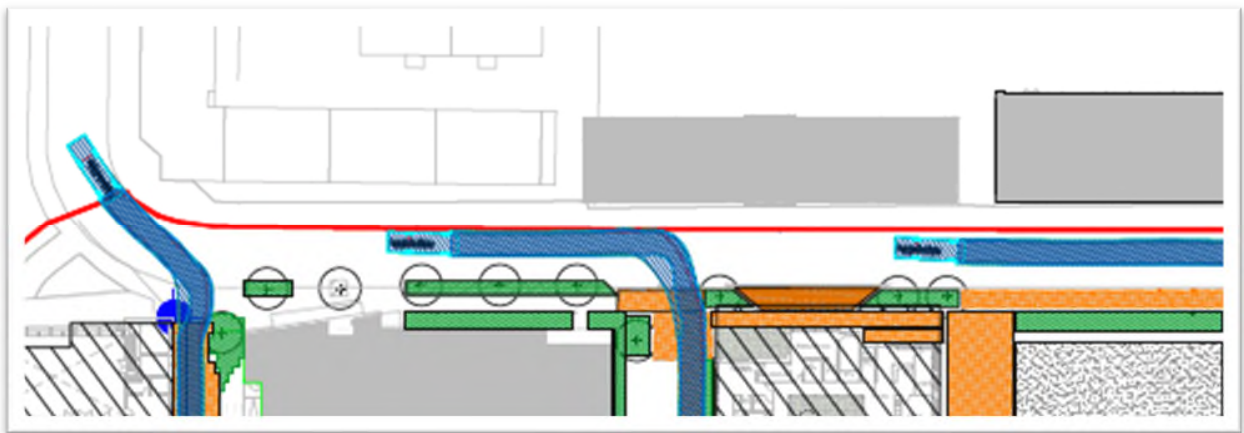
3.2 Problem

LOCATION

Drawing B967-OCSC-XX-XX-Dr-C0102 S3 P01, Patriots Path.

PROBLEM

There is on-street car parking (including coach parking for Richmond Barracks) along Patriots Path and traffic is restricted to a single shuttle system along some sections. There is a risk that with the additional traffic generated from the development will lead to vehicles having to reverse which would result in rear-end collisions with vehicles and possibly vulnerable road users crossing the carriageway.



RECOMMENDATION

Ensure suitable passing bays are provided to cater for the increased traffic volumes.

ST 1/2 RSA – Residential development, Emmet Road, Dublin 8**OCSC**

4.0 Observations

4.1 Observation

Design drawings for have not been provided to the Audit Team on the following

- Drainage,
- Landscaping,
- Public Lighting,
- Signage.

4.2 Observation

There is a steep footpath with damaged handrail on the north western corner of the Emmet Road/ St. Vincent Street West junction. This may be inaccessible for the mobility impaired. It is assumed that this is outside the scope of this scheme.



ST 1/2 RSA – Residential development, Emmet Road, Dublin 8

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5.0 Audit Statement

We certify that we have examined the information provided and the site. The examination has been carried out with the sole purpose of identifying any features of the design which 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 would recommend should be studied for implementation. The audit has been carried out by the persons named below who have not been involved in any design work on this scheme as a member of the Design Team.

Norman Bruton
(Audit Team Leader)
Signed: 
Dated: 26-9-2022

Owen O'Reilly
(Audit Team Member)
Signed: 
Dated: 26-9-2022

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Appendix A

List of Material Supplied for this Road Safety Audit;

Drawing references

- Drawing B967-OCSC-XX-XX-DR-C0102 S3 P01
- Drawing B967-OCSC-XX-XX-DR-C0103 S3 P01
- Drawing B967-OCSC-XX-XX-DR-C0104 S3 P01
- Drawing B967-OCSC-XX-XX-DR-C0105 S3 P01
- Drawing B967-OCSC-XX-XX-DR-C0106 S3 P01
- Drawing B967-OCSC-XX-XX-DR-C0107 S3 P01
- Drawing B967-OCSC-XX-XX-DR-C0108 S3 P01
- Drawing B967-OCSC-XX-XX-DR-C0109 S3 P01
- Drawing Site Layout Plan – Bucholzmcevoy Architects. No. S-A1-03A

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Appendix B



Feedback Form

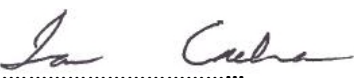
AUDIT FORM – FEEDBACK ON ROAD SAFETY AUDIT REPORT

Scheme: Emmet Road, Dublin 8

Stage Audit: Stage 1/2

Date Audit (site visit) Completed: 22-9-2022

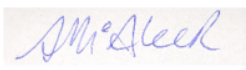
Paragraph No. in Road Safety Audit Report	Problem accepted (yes/no)	Recommended measure accepted (yes/no)	Alternative measures (describe)	Alternative measures accepted by Auditors (Yes/No)
3.1	Yes	No	This area is outside the scope of the project. However, the D/Team will engage with DCC Roads during the detailed design phase of the scheme and assess what can be achieved in this area.	Yes
3.2	Yes	No	The design proposals include for the removal of the carparking spaces on the western side of the road for the length of the street frontage of the development. Thus, two way traffic flow can proceed unhindered in this area and pull in bays are not proposed.	Yes

Signed 
 Design Team Leader Ian Crehan

Date 23/09/22

Signed 
 Audit Team Leader

Date: 23/9/2022

Signed 
 Employer

Date: 26.09.2022

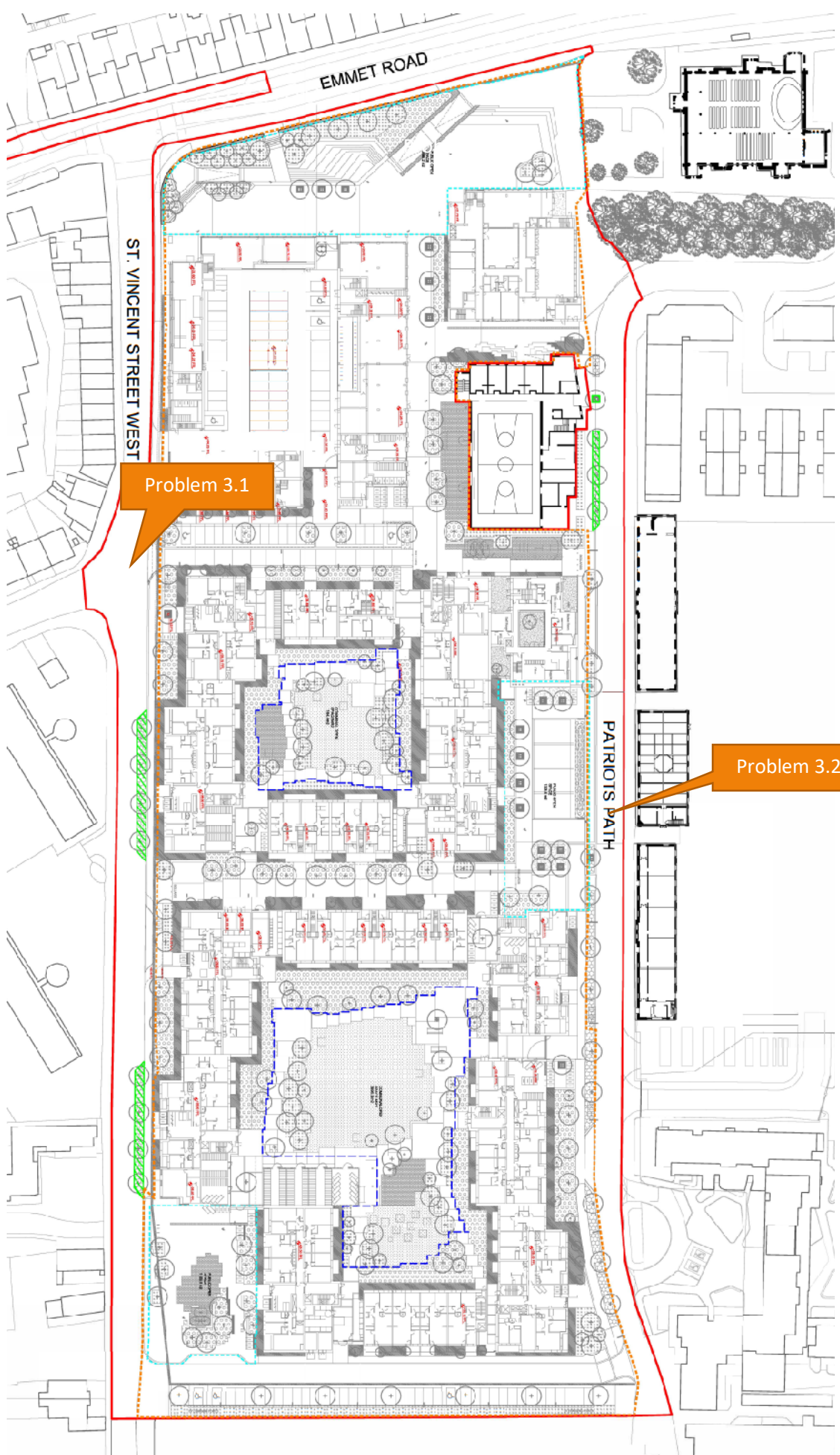
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Appendix C



Problem Location Plan.



EMMET ROAD

ST. VINCENT STREET WEST

PATRIOTS PATH

Problem 3.1

Problem 3.2