

Title: COMBINED STAGE 1&2 ROAD SAFETY AUDIT

For;

**Proposed Residential Development at St. Evin's Park,
Monasterevin, Co. Kildare.**

Client: Donnachadh O'Brien & Associates Consulting Engineers.

Date: September 2023

Report reference: 2008R01

VERSION: FINAL

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1.0 Introduction

This report was prepared in response to a request from Ms. Lisa Hanrahan, Donnachadh O’Brien & Associates Consulting Engineers for a Combined Stage 1&2 Road Safety Audit of the proposed residential development at St. Evin’s Park in Monasterevin, Co. Kildare.

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 comprised an examination of the drawings provided and a site visit by the Audit Team on the 6th of September 2023.

The weather at the time of the daytime site visit 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.

A location map showing where each problem occurs is provided in **Appendix A**.

A list of the documents provided to the Audit Team is provided in **Appendix B**.

The feedback form is provided in **Appendix C**.

STAGE 1&2 RSA – ST. EVIN'S PARK, MONASTEREVIN
DOBA

2.0 Background

It is proposed to construct a 15 unit residential development in a portion of the green area of the existing St. Evin's Park in Monasterevin, Co. Kildare.

St Evin's Park is accessed of the R414 regional road via a simple priority junction. The access is south of the railway crossing of the R414.

The site location is shown below.



Image courtesy of openstreetmap.org

The Road Safety Authority's website www.rsa.ie could not be used to review collision history at this site as the RSA is undertaking a review of its policy with regard to providing such information.

STAGE 1&2 RSA – ST. EVIN'S PARK, MONASTEREVIN
DOBA

3.0 Issued Raised in This Road Safety Audit.

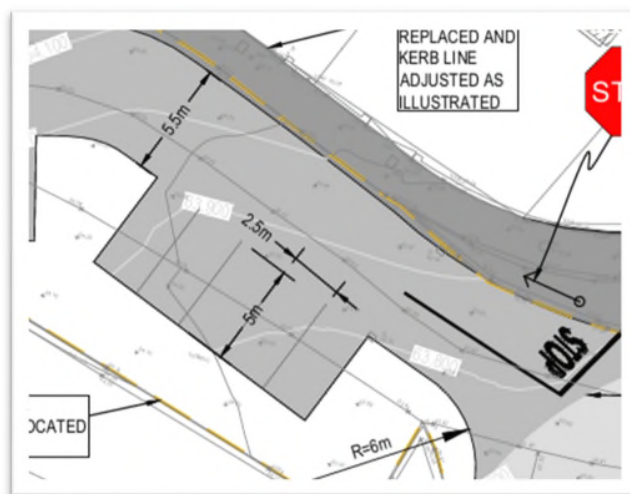
3.1 Problem

LOCATION

Drawing 2305-DOB-XX-SI-DR-C-0050 S2 P01, Access road

PROBLEM

There may not be enough room for those using the perpendicular parking spaces to exit if the adjacent spaces are occupied given the relatively narrow (5.5m) carriageway access road. This could lead to material damage of parked vehicles.



RECOMMENDATION

It is recommended that that sufficient space be provided. This may require wider or longer parking spaces.

3.2 Problem

LOCATION

Drawing 2305-DOB-XX-SI-DR-C-0050 S2 P01

PROBLEM

There is no on-curtilage parking proposed for the most westerly unit. This could lead to parking in the turning head which in turn could lead to refuse vehicles and the like reversing along the road which would increase the likelihood collisions with pedestrians. It is assumed that the disabled parking bay will be for general use and not exclusive for one dwelling.



RECOMMENDATION

It is recommended that parking be provided for the last unit.

3.3 Problem

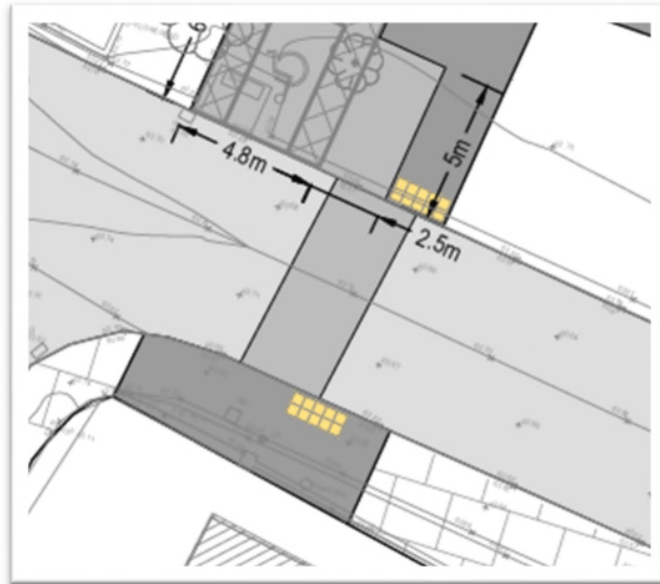
LOCATION

Drawing 2305-DOB-XX-SI-DR-C-0050 S2 P01, road crossing.

PROBLEM

The existing carriageway is to be repaired at the new uncontrolled pedestrian crossing at the western end of the development after the water supply connection is complete. New joints in the pavement may deteriorate over time and lead to trip hazards.

STAGE 1&2 RSA – ST. EVIN'S PARK, MONASTEREVIN DOBA



RECOMMENDATION

It is recommended that new surfacing be provided over the entire crossing area.

3.4 Problem

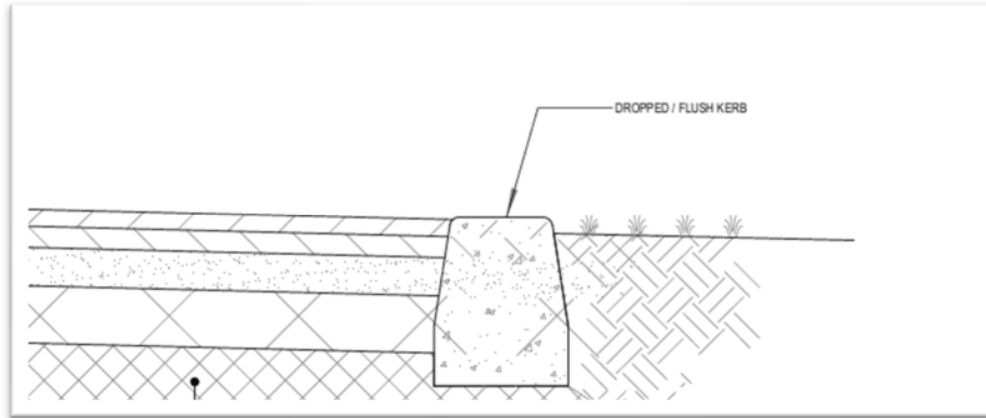
LOCATION

Drawing 2305-DOB-XX-SI-DR-C-0120 S2 P01, Kerb Height.

PROBLEM

The access road kerb at the green area side is to be flush to allow surface water runoff. The absence of a kerb could lead to drivers parking partially on the carriageway and partially on the verge which could lead to loss of traction and control when exiting. The absence of a kerb could also lead to higher speeds as drivers perceive a wider road ahead.

STAGE 1&2 RSA – ST. EVIN'S PARK, MONASTEREVIN
DOBA



RECOMMENDATION

It is recommended that a higher kerbs be provided with regular dips to be flush and allow surface water runoff.

5.0 Audit Statement

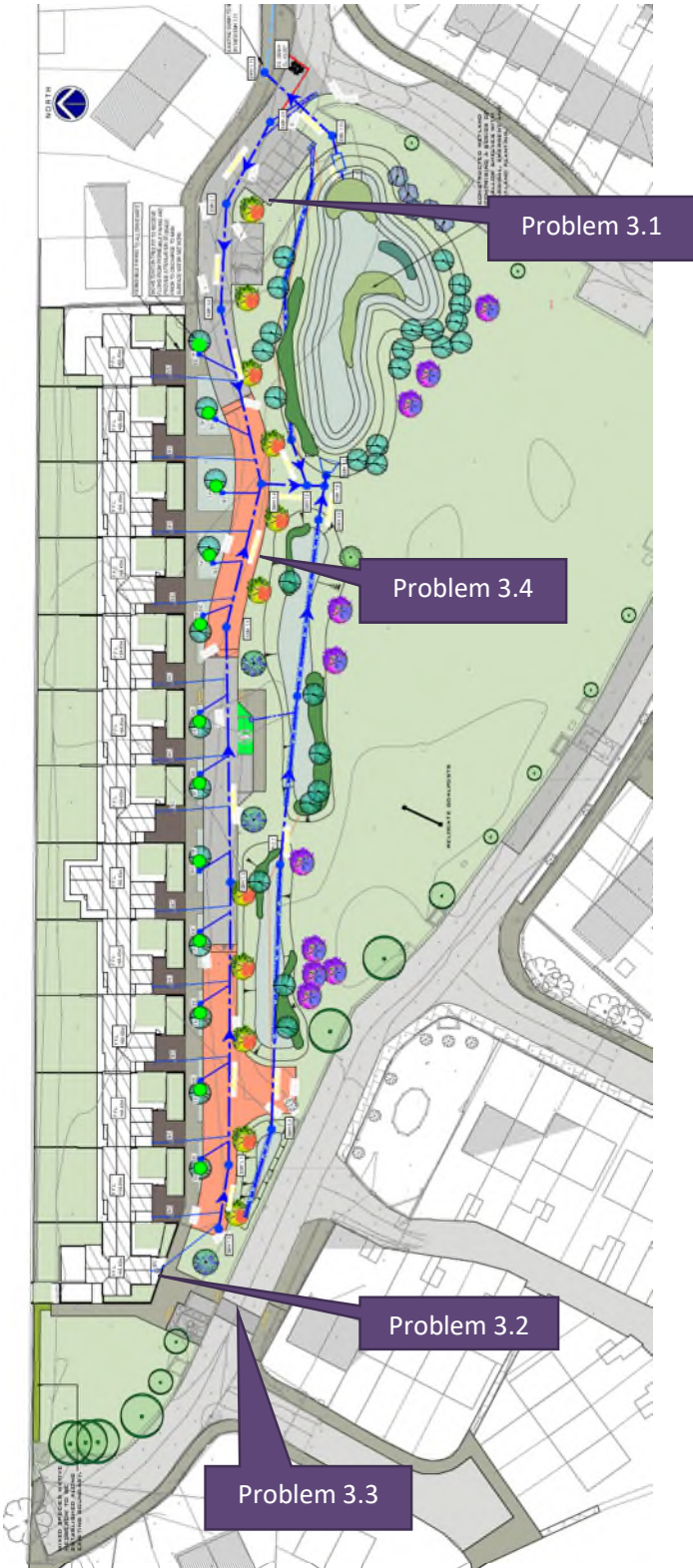
We certify that we have examined the site on the 6th of September 2023. The examination has been carried out with the sole purpose of identifying any aspects of the design which could be added, removed or modified in order to improve the safety of the scheme.

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: 4-10-2023

Owen O'Reilly
(Audit Team Member)
Signed: 
Dated: 4-10-2023

Appendix A



Appendix B

Information Supplied to the Audit Team

- Drawing 2305-DOB-XX-SI-DR-C-0050-S2.P02_Pr. Site Layout Plan Kerbs
- Drawing 2305-DOB-XX-SI-DR-C-0120-S2.P01_Pr. Typ. Road Cross Sections
- Drawing 01_LandscapeDesign_Draft_06.09.23
- Drawing 2305-DOB-XX-SI-DR-C-0020-S2.P03_Pr.S W Drainage Layout
- Drawing 2305-DOB-XX-SI-DR-C-0030-S2.P02_Pr. Wastewater Drainage Layout
- Drawing 2305-DOB-XX-SI-DR-C-0040-S2.P02_Pr. Water Supply Layout
- Drawing 2305-DOB-XX-SI-DR-C-0050-S2.P01_Pr. Site Layout
- Drawing A3 Dwg St Evins Monasterevin R1
- Calc St Evins Monasterevin R1

Appendix C


Feedback Form

Scheme: St. Evin's Monasterevin

Stage: 1&2 Road Safety Audit

Date Audit (Site Visit) Completed: 6-9-2023


Paragraph No. in 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	Autotrack Analysis was carried out to ensure there is adequate space to reverse in and out of the proposed spaces	Yes
3.2	Yes	No	Highlighted in the attached report is the space designated for the most westerly unit.	Yes
3.3	Yes	Yes		
3.4	Yes	Yes		

Signed..........
Design Team Leader

Date.....25.09.2023.....

Signed..........
Audit Team Leader

Date.....4-10-2023..

Signed..........
Employer

Date.....10.10.2023.....