



Contact us

+353 1 5242060

info@ors.ie

www.ors.ie

2025

**Stage 1/2 Road Safety Audit
Housing Development Kinnegad, Co.
Westmeath**



**Housing Development – Kinnegad Co. Westmeath
Stage 1/2 Road Safety Audit**

Document Control Sheet

Client:	JH KINNIE LTD.
Document No:	241139-ORS-XX-XX-RP-TR-13g-001 - RSA

Revision	Status	Author:	Reviewed by:	Approved By:	Issue Date
P01	S2	EP	MG	DMcC	08/04/2025
P02	S2	EP	MG	DMcC	22/04/2025



Table of Contents

1	Introduction	2
2	Description of the Proposed Development	4
3	Problems Raised from the Road Safety Audit	5
3.1	Collision History	5
3.2	Potential Problems Identified	5
3.3	General Problems Identified	15
4	Audit Team Statement	16
Appendix A – Inspected Documents		17
Appendix B – Designer Response Form		18



1 Introduction

This report documents the findings of a Stage 1/2 Road Safety Audit (RSA) carried out with respect proposed Housing Development in Kinnegad, Co. Westmeath.

The audit team conducted the site visit on the 04th of April 2025. The audit was carried out in the offices of ORS on the 04th of April 2025.

The audit team comprised of the following people:

Audit Team Member:

David McCormack: BEng (Hons), Dip Eng., CEng, MIEI

Audit Team Leader:

Mark Gallagher: AEng, MIEI

Audit Team Observer

Emmanuel Philip BEng, ME

The audit team reviewed the following documents and drawings provided by the design team.

- (1) KIN-MCORM-AR-00-DR-P4-XX-CA1-1002 (SITE LAYOUT PLAN) Rev -
- (2) 241139-ORS-ZZ-00-DR-CE-400 (FOUL & STORMWATER SEWER LAYOUT PLAN SHEET 1) Rev P04
- (3) 241139-ORS-ZZ-00-DR-CE-401 (FOUL & STORMWATER SEWER LAYOUT PLAN SHEET 2) Rev P04
- (4) 241139-ORS-ZZ-00-DR-CE-402 (WATERMAIN LAYOUT PLAN) Rev P04
- (5) 241139-ORS-ZZ-00-DR-TR-700 (INFRASTRUCTURE LAYOUT) Rev P02
- (6) 241139-ORS-ZZ-00-DR-TR-701 (PROPOSED PUBLIC FOOTPATH EXTENSION ALONG BOREEN BRADACH) Rev P01
- (7) 241139-ORS-ZZ-00-DR-TR-730 (AUTOTRACK ANALYSIS FIRE TENDER) Rev P02
- (8) 241139-ORS-ZZ-00-DR-TR-731 (AUTOTRACK ANALYSIS REFUSE TRUCK) Rev P02
- (9) 241139-ORS-ZZ-00-DR-TR-732 (AUTOTRACK ANALYSIS FOR PRIVATE CAR PARKING) Rev P01
- (10) AREAS 1 & 2)
- (11) 241139-ORS-ZZ-00-DR-TR-733 (AUTOTRACK ANALYSIS FOR PRIVATE CAR PARKING AREAS 3 & 4) Rev P01
- (12) LANDSCAPE PLAN Rev 1
- (13) BOUNDARY TREATMENT PLAN Rev 1
- (14) COMBINED SERVICES PLAN Rev 0

Documents/Information not supplied:

- Previous Road Safety Audits
- Collision Data
- Speed & Traffic Surveys
- Departures from Standards
- Public Lighting Layout



The terms of reference / procedure for the Audit were as per the relevant sections of the **Transport Infrastructure Ireland Road Safety Audit Standard GE-STY-01024**. The audit 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 designs to any other criteria. The Road Safety Audit should not be treated as a design check.

The problems identified and described in this report are considered by the Audit Team to require action to improve the safety of the development and minimise accident occurrence. All comments, references and recommendations in this safety audit are in respect of the review of information supplied by the Design Team.

3 Problems Raised from the Road Safety Audit

The following are problems and recommendations to address the safety issues associated with the proposal. The recommendations are proposed to the designer of the scheme to reduce any safety risks associated with it.

3.1 Collision History

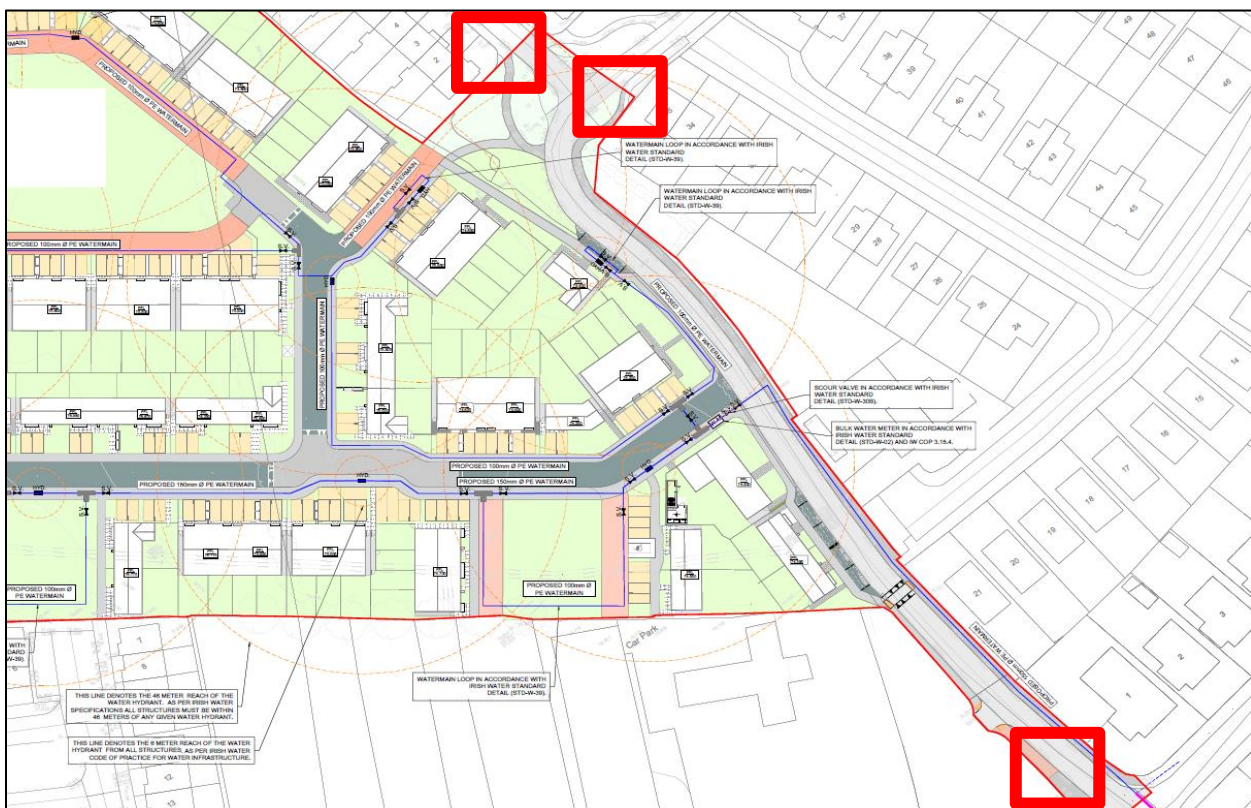
Due to ongoing review of road traffic collision data by the Road Safety Authority website, no traffic collision data could be obtained for the vicinity of the proposed development site.

3.2 Potential Problems Identified

Problem No.01: Tie-in to Existing Footpath

Location: Locations Identified

The audit team note from the site visit and drawings and the site visit that proposed footpath ties into the existing footpath at the location identified. The drawings lack specific details regarding how these areas will interact and whether any enhancements will be made to the existing tie-in points. This absence of clarity raises concerns regarding the seamless transition between these areas. The audit team is concerned that any inadequate tie-ins and potential unevenness between these sections could pose a risk of trips and falls for site users, potentially leading to injuries



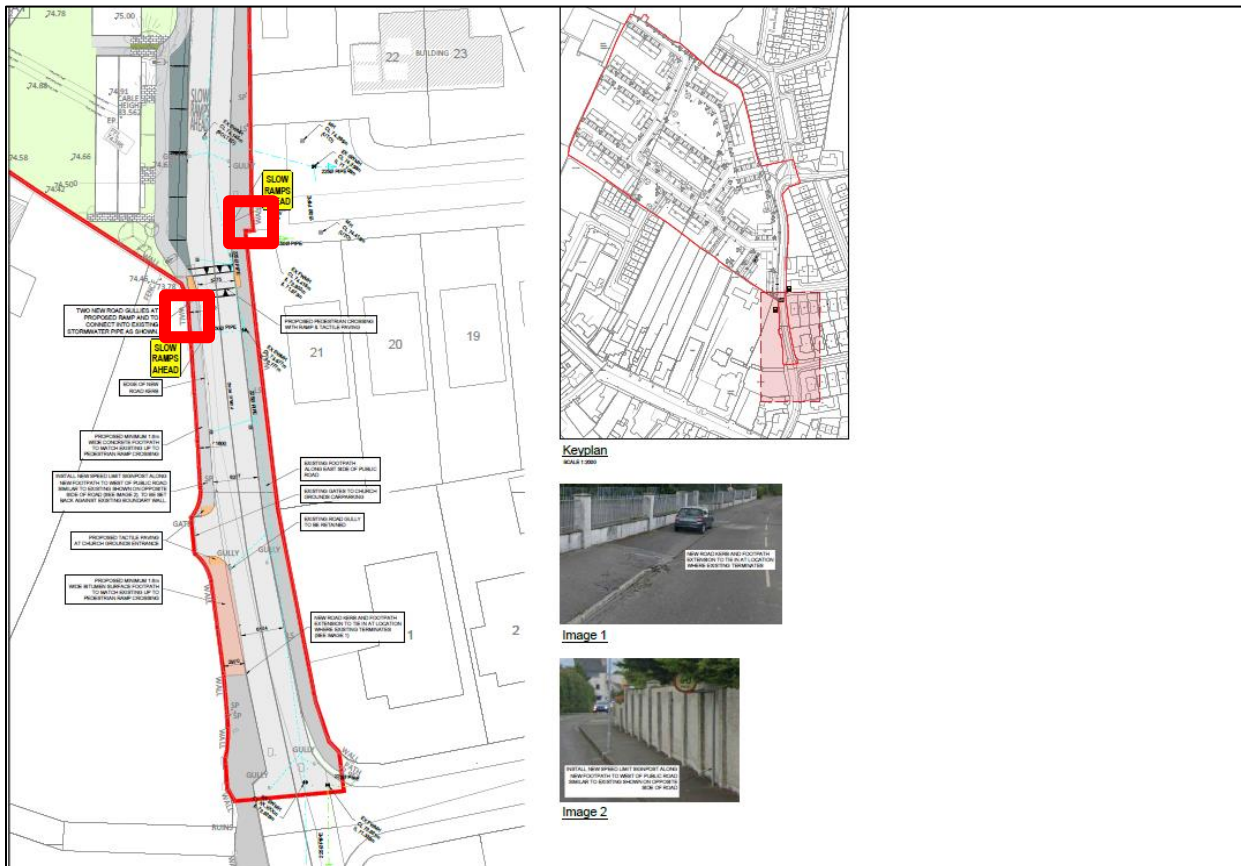
Recommendation:

The design team should ensure the provision of clear and accessible tie-ins, along with any necessary improvements to the existing footpath to create a smooth and hazard-free transition between these areas.

Problem No.03: Proximity of Ramp Warning Signage

Location: Location Identified

The audit team note that the proposed advanced warning for 'Ramp Ahead' is positioned close to the ramp. The audit team is concerned that this will not give motorists adequate advance warning of the impending hazard ahead and could result in an increased risk of collisions with pedestrians on the crossing causing injury.



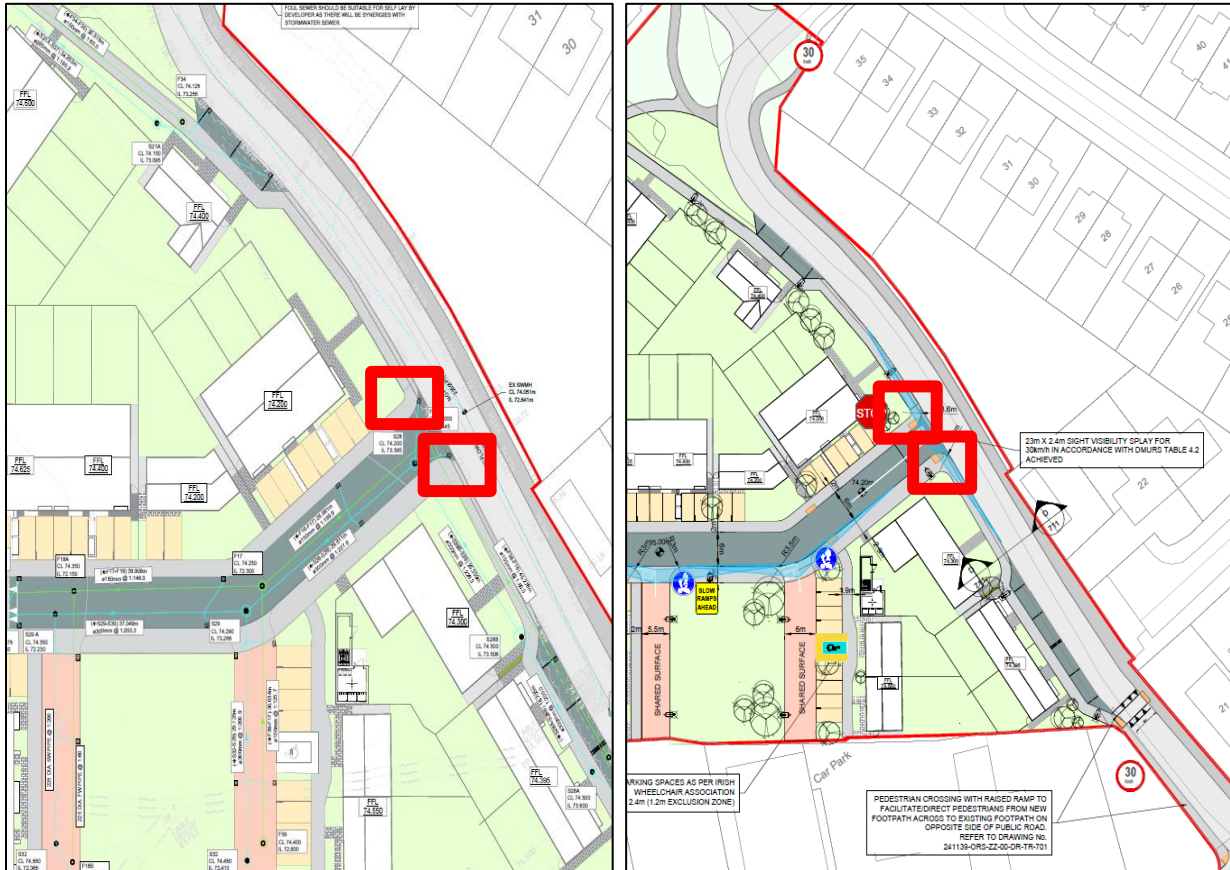
Recommendation:

The design team should provide the appropriate ramp sign with supplementary pedestrian warning signage the requisite distance from the hazard.

Problem No.04: Inappropriately Located Gullies

Location: Locations Identified

The audit team note from the drawings provided, that there are gullies located within areas designated for vulnerable road users at the locations identified. Inappropriate gully positioning may lead to potential trip and fall hazards for vulnerable users.



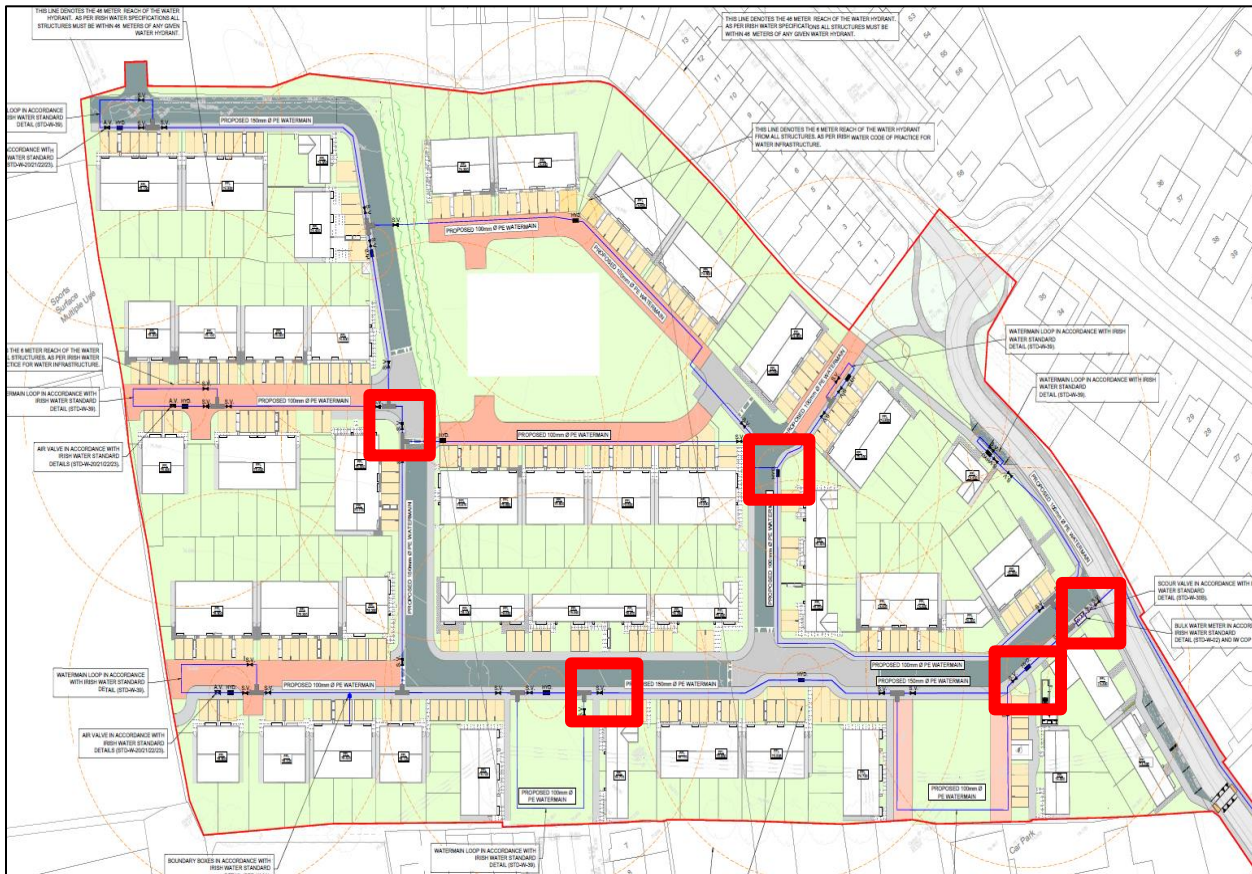
Recommendation:

The design team should ensure drainage gullies are strategically positioned outside of pedestrian zones to mitigate the safety hazard identified.

Problem No.05: Utility Manhole Locations

Location: Locations Identified

The audit team note from the provided drawings that utility manholes are proposed within areas designated for pedestrian crossings. It is not clear from the drawings provided if the utility manholes at the location identified are within the tactile paving. If crossings are not kept clear of manhole covers and are not level with the pavement surface or should the surface be slippery, it may pose challenges for vulnerable road users, potentially resulting in trips and falls.



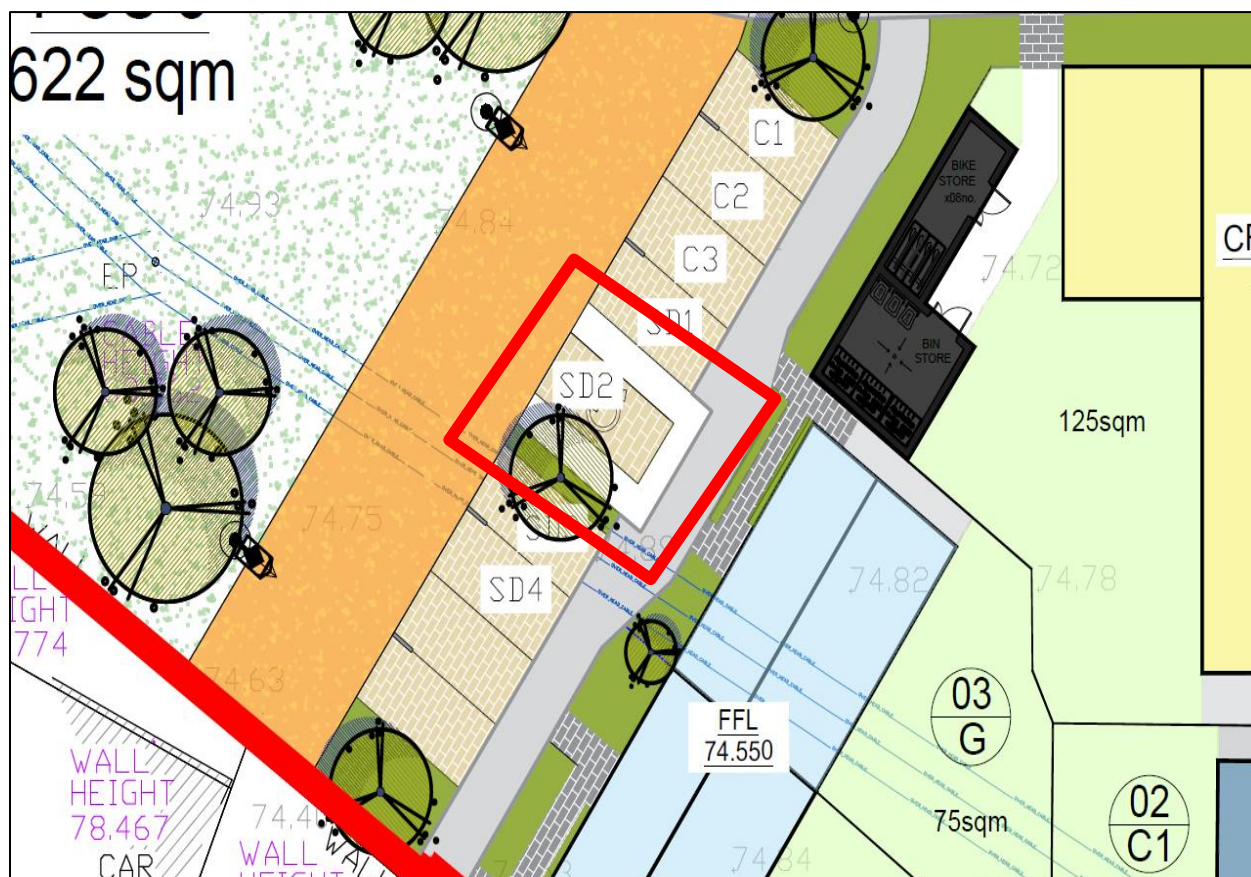
Recommendation:

The design team should ensure that manholes are positioned outside of the crossing zone and finished level with the surface.

Problem No.07: Dropped Kerbs Provisions for Mobility Impaired Users

Location: Accessible Parking Space

The audit team note from the drawings provided, that there is disabled parking spaces provided within development. It is not clear from the drawings provided if appropriate dropped kerbing is provided for these spaces at the locations identified below. The audit team are concerned that users of the spaces may not have access to the footpath and may use the closest road to access the footpath resulting in potential collisions between vehicles and vulnerable road users.



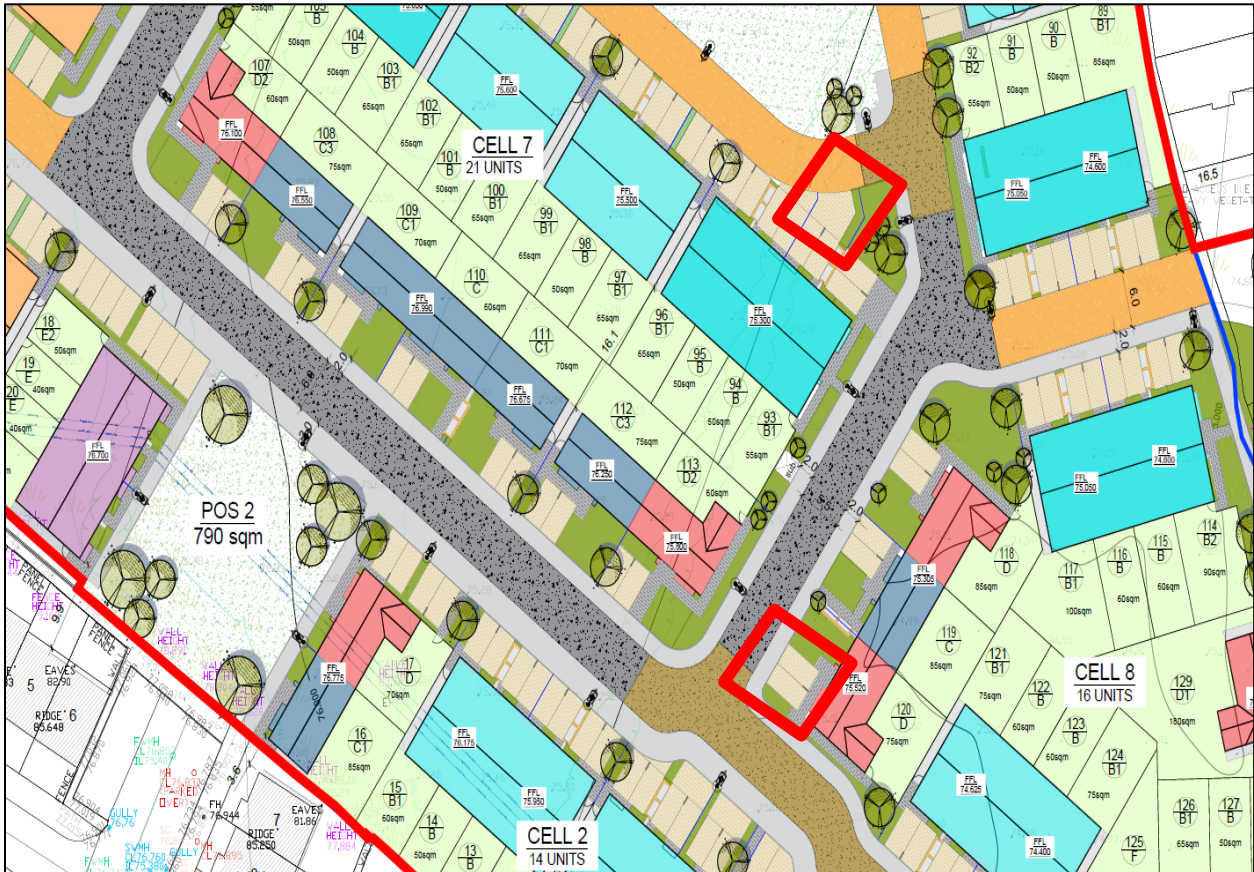
Recommendation:

The design team should provide adequate provision for users of the spaces to access the footpath safely.

Problem No.08: Vehicular Entrances

Location: Location of Vehicular Entrance Identified

The audit team note from the drawing's provided that the vehicular entrance to the properties identified are on the inside radius of the turn and may not be adequately sighted when travelling along the main access road. The audit team would have concern's that vehicles exiting the site would not have full visibility of oncoming traffic and likewise oncoming traffic may not have sufficient forward visibility resulting in vehicular collisions.



Recommendation:

The design team should ensure that the boundary treatments do not impeded visibility from the parking spaces or forward visibility

Problem No.09: Vehicle Swept Path Analysis

Location: Location Identified

The audit team noted from the drawings provided that the refuse truck entering and exiting the development may have to mount the footpath at the locations identified to enter and exit the development. The audit team concern is that refusing trucks mounting the footpath will come into collision with vulnerable road users on the footpath resulting in injury.



Recommendation:

The design team should provide a swept path analysis which does not infringe on pedestrian infrastructure.

Problem No.10: Boundary Treatments

Location: Throughout Development

The audit team note from the drawings provided that proposed boundary treatment to the private parking spaces within the development may impact the visibility of road users if positioned inappropriately. The boundary treatment should be appropriate where visibility is to be maintained to ensure that drivers are clearly able to see approaching vehicles and pedestrians at junctions and designated pedestrian crossing locations. This could potentially lead to instances of vehicle-vehicle or pedestrian-vehicle collisions resulting in injury.



Recommendation:

The design team should ensure that any proposed boundary treatment does not impact on visibility of the internal roads and junctions or forward visibility.

3.3 General Problems Identified

Problem 11: Public Lighting

Location: Throughout the Site

The audit team noted that there is no information regarding public lighting provisions within the site, particularly in the car parking area and pedestrian crossing points. This creates an issue in low light conditions where drivers may be unable to see oncoming traffic or pedestrians using this route. This has the potential to lead to pedestrian-vehicle or vehicle-vehicle collision which poses a risk of injury.

Recommendations:

The design team should ensure the provision of lighting is detailed on the proposed site layout.

4 Audit Team Statement

We certify that we have examined the drawings listed in Appendix A and examined the site by means of a site visit. 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. The issues that we have identified have been noted in the report, together with suggestions for improvement, which we recommend should be studied for implementation.

Audit Team Leader: David McCormack: BEng (Hons), Dip Eng., CEng, MIEI
ORS

Signed: 

Date: 7th April 2025

Audit Team Member: Mark Gallagher, MIEI
ORS

Signed: 

Date: 7th April 2025

Audit Team Observer: Emmanuel Philip, BEng, ME
ORS

Date: 7th April 2025

Appendix A – Inspected Documents

The audit team reviewed the following drawings and documents provided by the design team.

- (1) KIN-MCORM-AR-00-DR-P4-XX-CA1-1002 (SITE LAYOUT PLAN) Rev -
- (2) 241139-ORS-ZZ-00-DR-CE-400 (FOUL & STORMWATER SEWER LAYOUT PLAN SHEET 1) Rev P04
- (3) 241139-ORS-ZZ-00-DR-CE-401 (FOUL & STORMWATER SEWER LAYOUT PLAN SHEET 2) Rev P04
- (4) 241139-ORS-ZZ-00-DR-CE-402 (WATERMAIN LAYOUT PLAN) Rev P04
- (5) 241139-ORS-ZZ-00-DR-TR-700 (INFRASTRUCTURE LAYOUT) Rev P02
- (6) 241139-ORS-ZZ-00-DR-TR-701 (PROPOSED PUBLIC FOOTPATH EXTENSION ALONG BOREEN BRADACH) Rev P01
- (7) 241139-ORS-ZZ-00-DR-TR-730 (AUTOTRACK ANALYSIS FIRE TENDER) Rev P02
- (8) 241139-ORS-ZZ-00-DR-TR-731 (AUTOTRACK ANALYSIS REFUSE TRUCK) Rev P02
- (9) 241139-ORS-ZZ-00-DR-TR-732 (AUTOTRACK ANALYSIS FOR PRIVATE CAR PARKING) Rev P01
- (10) AREAS 1 & 2)
- (11) 241139-ORS-ZZ-00-DR-TR-733 (AUTOTRACK ANALYSIS FOR PRIVATE CAR PARKING AREAS 3 & 4) Rev P01
- (12) LANDSCAPE PLAN Rev 1
- (13) BOUNDARY TREATMENT PLAN Rev 1
- (14) COMBINED SERVICES PLAN Rev 0

Appendix B – Designer Response Form

Job: 241139 – Housing Development – Kinnegad, Co. Westmeath

Stage of Audit: Stage 1/2

Date Audit Completed: 07th April 2025

Problem Reference in Safety Audit Report	To Be Completed by the Designer			To be Completed Audit Team Leader
	Problem Accepted (Yes/No)	Recommendation Accepted (Yes/No)	Alternative Option (Describe) (Only complete if recommendation not accepted)	Alternative Option Accepted by Auditors (Yes/No)
P1	Y	Y		
P2	Y	N	The sign cannot be relocated outside of the red line boundary as this is outside the control of the applicant. The sign can be relocated tight to the existing boundary wall of the church carpark to minimise impact.	
P3	Y	Y		
P4	Y	Y		
P5	Y	Y		
P6	Y	Y		
P7	Y	Y		
P8	Y	Y		
P9	Y	Y	Auto track has been reviewed and amended to avoid refuse mounting footpath area.	
P10	Y	Y		
P11	Y	Y		

Signed:.......... Designer

Date...14.04.25.....

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

Date:...22/04/2025.....

Signed:..... Employer

Date:.....



**A World-Class Multidisciplinary
Building Consultancy**

10 SERVICES, 1 TEAM

Have a project in mind? View our brochure to learn more about how our multidisciplinary team can support you.

A digital brochure mockup is displayed across three devices: a smartphone, a tablet, and a laptop. The smartphone shows a photo of three construction workers in high-visibility vests and hard hats on a construction site. The tablet and laptop display a brochure with the title 'OUR SERVICES' and a grid of ten circular icons representing different services: Environmental, Infrastructure, Health & Safety, Fire Safety, Energy Management, Building Surveying, and Mechanical & Electrical. To the right of the services grid, the 'WHY ORS?' section is visible, featuring three numbered points: 01. MULTIDISCIPLINARY SERVICE, 02. CULTURE, and 03. CLIENT RELATIONSHIPS. A green button with the text 'CLICK HERE' and a cursor icon is positioned at the bottom of the brochure mockup.

OUR SERVICES

- Environmental
- Infrastructure
- Health & Safety
- Fire Safety
- Energy Management
- Building Surveying
- Mechanical & Electrical

WHY ORS?

01. MULTIDISCIPLINARY SERVICE
Our multidisciplinary approach allows us to tackle complex projects confidently, providing innovative and efficient integrated solutions. By combining diverse perspectives and skills, we deliver results that set new industry standards.

02. CULTURE
With an award-winning culture centred around trust, autonomy, and flexibility, ORS fosters an environment where individuals thrive. We love to learn, and we're first to lead. We listen and speak thoroughly, openly, and honestly.

03. CLIENT RELATIONSHIPS
We focus heavily on the client relationship, emphasising responsiveness and dependability of delivery. ORS builds long-lasting relationships by investing in our clients and delivering solutions addressing their unique needs and challenges.

CLICK HERE

Civil and Structural | Project Management | Fire Safety | Health and Safety | Building Surveying
Assigned Certifier | Infrastructure | Sustainability | Environmental | Mechanical and Electrical