RYCO
CONSULTING ENGINEERS

ROAD SAFETY AUDIT REPORT

CLIENT: DÚN LAOGHAIRE-RATHDOWN COUNTY COUNCIL

PROJECT TITLE: NEW PUBLIC REALM AND PLAZA EAST AND NORTH OF WALDEMAR TERRACE, DUNDRUM

REV 0

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1.0 Introduction & Description of the Scheme

This report is a Stage 1 Road Safety Audit of the proposed New Public Realm and Plaza East and North of Waldemar Terrace, Dundrum, Co. Dublin.

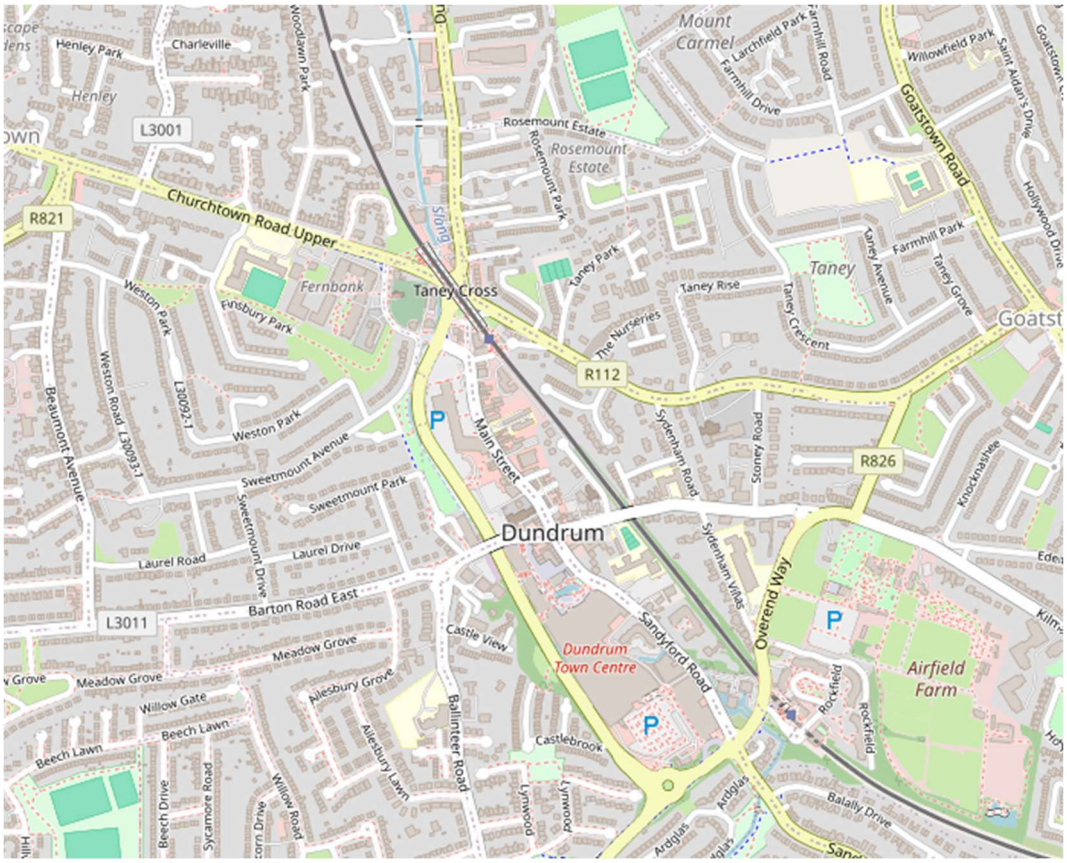


Figure 6.1 Site Location

2.0 Road Safety Audit Team

The Road Safety Audit Team members were as follows:

Position	Name	TII Auditor Number
Team Leader	John Ryan BEng CEng MSc BE FConsEI	JR*101
Team Member	Michael Condon BEng CEng MIEI	MC877434

3.0 Road Safety Audit Information

The audit comprised an examination of the drawings supplied by DBFL Consulting Engineers, and a daylight site visit undertaken on 2nd September 2026, where the area was driven and walked where appropriate in all directions. During the visits it was raining and the surface was wet. Traffic was moderate, pedestrian numbers were low and no cyclists were observed.

4.0 Information provided to the Audit Team

The following documents were provided to the audit team as part of the audit.

Document Number	Document Title	Revision
260051-X-0100-Z00-DTM-DR-DBFL-CE-1201	GENERAL ARRANGMENT	0
26DR01_DR-0100	Landscape Plan	-

5.0 Previous Road Safety Audits

Details of previous Road Safety Audits have not been provided to the Audit Team as part of this audit process.

6.0 Collision History

The Road Safety Authority's collision mapping indicates that a number of reported collisions occurred in the vicinity of the site during the period 2016 to 2024. Two serious injury collisions involving cyclists occurred at the junction, along with a number of non-serious injury collisions involving cyclists, motorcyclists and drivers.

Of the eight injury collisions recorded at the junction, five involved cyclists, including both of the serious injury collisions.

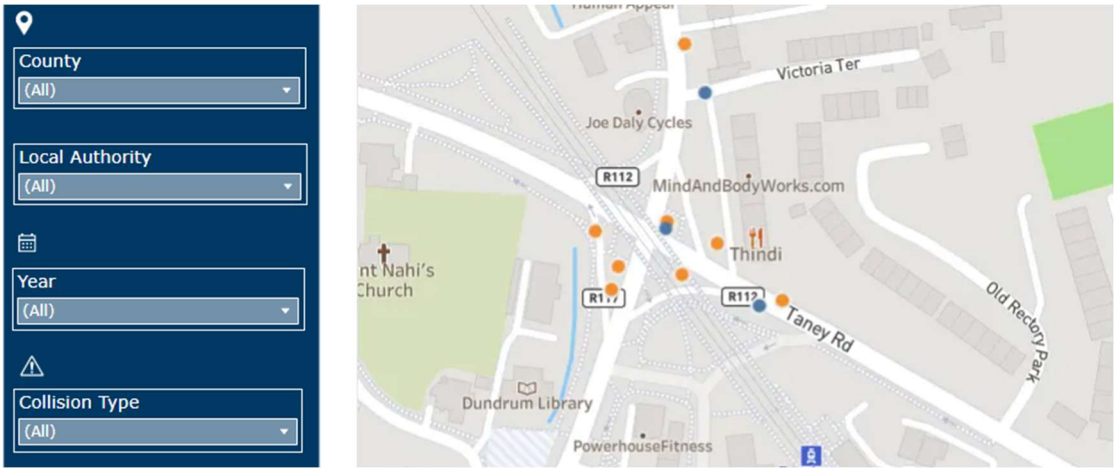


Figure 6.2 Extract from RSA Road Safety Collision Mapping

7.0 Terms of Reference

The audit has been carried out following the guidance issued in TII documents GE-STY-01024 Road Safety Audit and GE-STY-1027 Road Safety Audit Guidance.

8.0 Items Arising from Audit

The following road safety problems were identified by the audit team when studying the provided information and on the subsequent site visit.

8.1 Problem: Cyclists mounting kerbs

Location: Taney road to public realm

Cyclists travelling along the cycle lane on Taney Road may be inclined to mount the kerb to access the public realm area as a shortcut and to reach the cycle parking facilities. Mounting the kerb may result in cyclists losing control, increasing the potential for falls and collisions.



Figure 6.3 Existing Layout

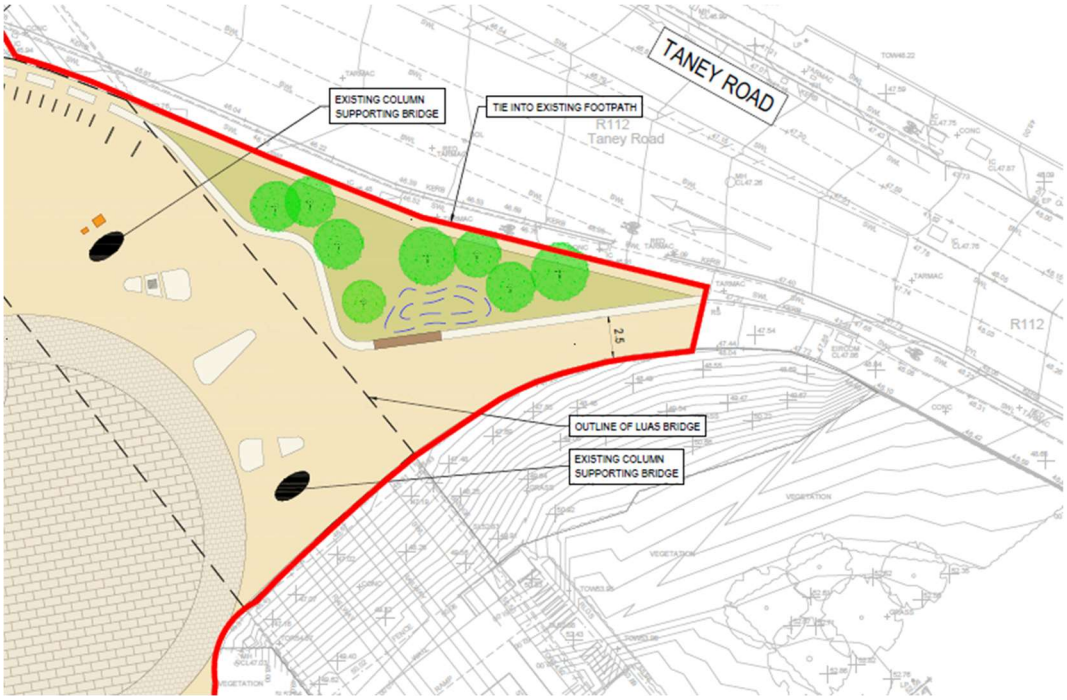


Figure 6.4 Proposed Layout

Recommendation

Appropriate dropped kerbs should be provided to allow cyclists travelling from Taney Road to safely access the public realm area.

8.2 Problem: Lack of street lighting

Location: Public Realm Area

Limited street lighting appears to be proposed within the public realm area. The absence of adequate lighting may reduce visibility for pedestrians during hours of darkness and increase the potential for slip and trip incidents.



Figure 6.5 Proposed Layout

Recommendation

Appropriate street lighting should be provided within the public realm to ensure adequate visibility for pedestrians and reduce the potential for slip and trip incidents, particularly during hours of darkness.

8.3 Problem: Lack of pedestrian crossing facilities

Location: South side of scheme

No dropped kerbs or similar facilities have been provided or proposed to allow service vehicles to access the buildings within the public realm. No clear service route has been illustrated. This may result in service vehicles mounting the kerb to enter these areas, increasing the potential for material-damage collisions or loss-of-control incidents.

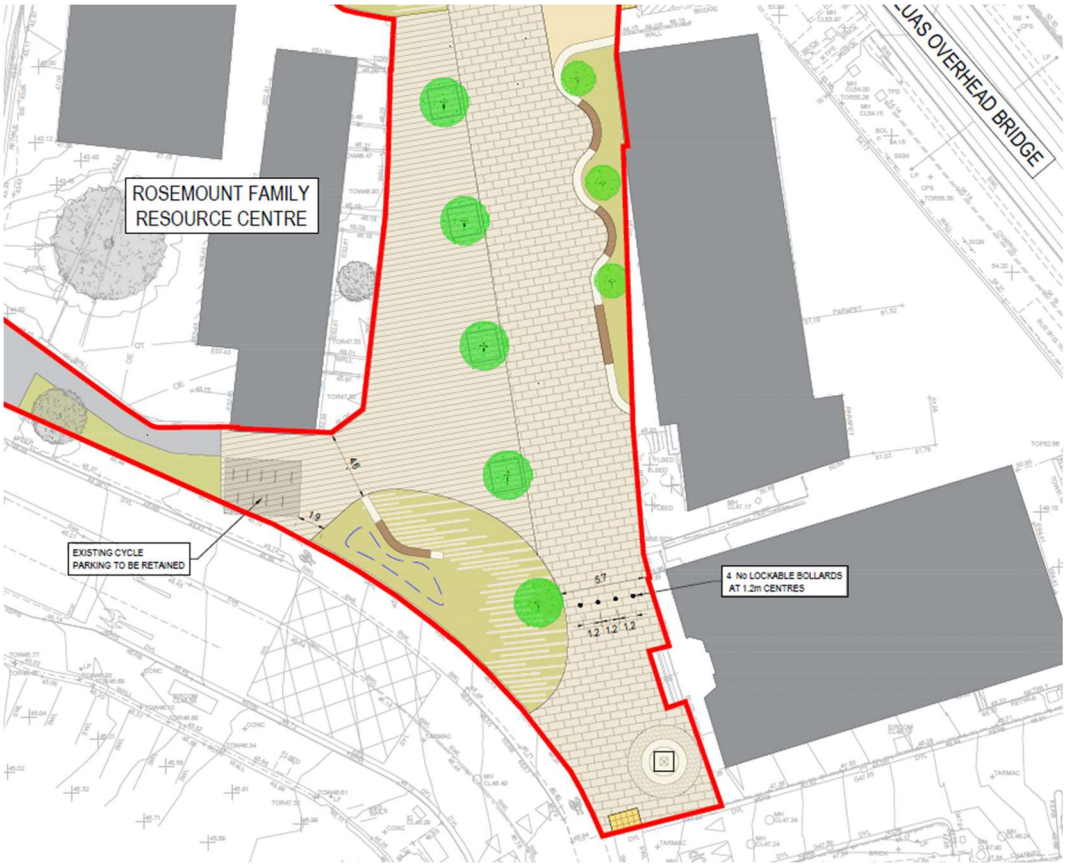


Figure 6.6 Proposed Layout

Recommendation

An appropriate access point should be provided for service vehicles.

8.4 Problem: Cycle connection details to be updated

Location: Southern cycle facilities

The existing cycle track is at road level across the existing entrances, and no upgrades to the cycle track have been proposed. Cyclists accessing the cycle parking facilities and public realm will need to transition between the cycle track and the public realm. Inappropriate detailing or a lack of upgrades to the existing arrangements may result in cyclists mounting kerbs or encountering level changes, increasing the potential for loss-of-control incidents.

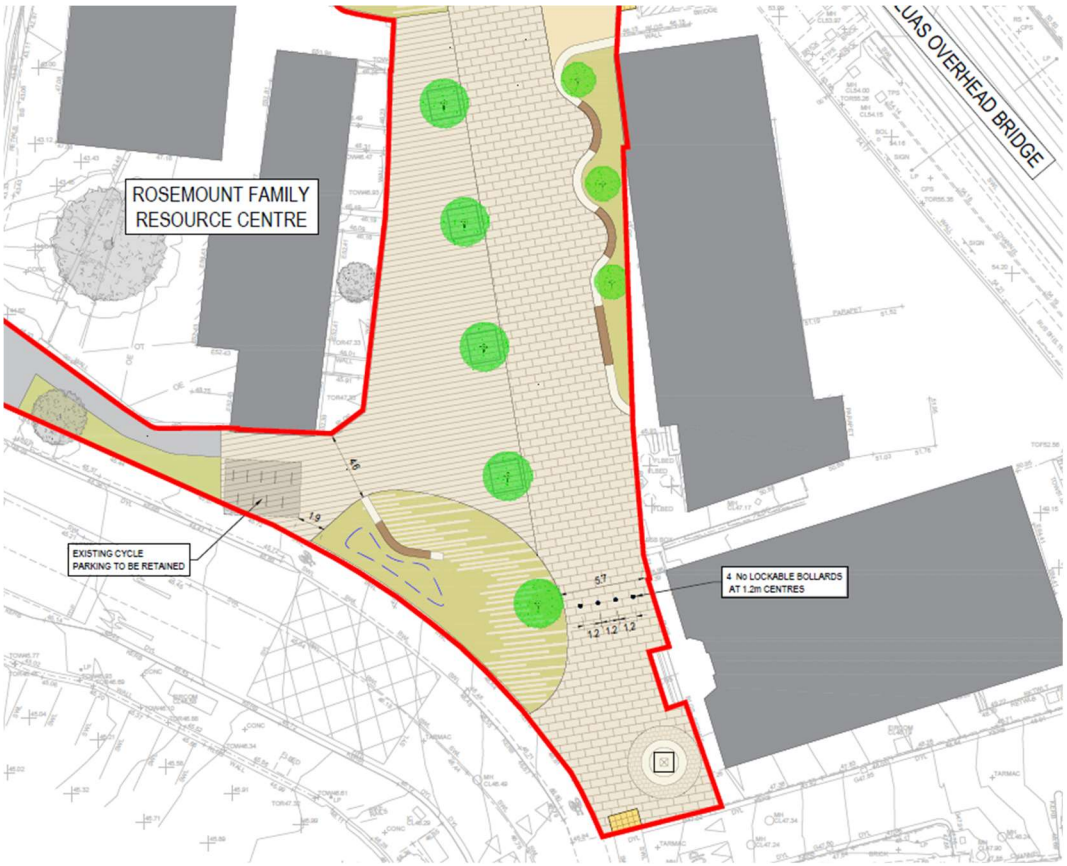


Figure 6.7 Proposed Layout

Recommendation

The cycle track should be upgraded to provide suitable dropped kerbs and transitions for cyclists accessing the cycle parking and public realm.

8.5 Problem: Road markings and signage to be updated

Location: Roads directly outside the scheme

No proposals have been made to update the road markings and signage on roads surrounding the public realm to reflect that some roads have been closed. Failure to update the road markings following changes to the road layout may result in driver confusion and increase the potential for sideswipe and rear-end collisions.



Figure 6.8 Existing Layout



Figure 6.9 Existing Layout

Recommendation

Road markings should be updated to clearly reflect the revised road layout.

Audit Team Statement

We certify that we have examined the drawings listed in table 2 and visited the site during the day of 2nd September. We further certify that we are independent from the design team for this scheme. 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 road safety aspects of the proposed scheme.

Road Safety Audit Team Leader

Name	John Ryan
Signed	
Qualification	MSc BEng CEng FconsEI
Position	Audit Team Leader
Date:	02/09/2026

Road Safety Audit Team Member

Name	Michael Condon
Qualification	BEng CEng
Position	Audit Team Member
Date:	02/09/2026

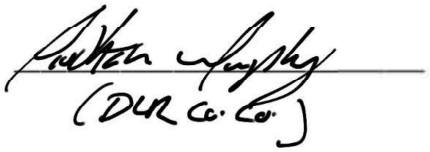
Road Safety Audit Feedback Form

Road Safety Audit Feedback Form		
Scheme: New Public Realm and Plaza East and North of Waldemar Terrace RSA		
Audit Stage: 1		Date of Audit 02/09/2026

To be Completed by Designer				To be Completed by Audit Team Leader
Item	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)
8.1	Yes	Yes		
8.2	Yes	Yes		
8.3	Yes	Yes		
8.4	Yes	Yes		
8.5	Yes	Yes		

Signed  Designer Date 28/09/2026

Signed  Audit Team Leader Date 16/11/2026

Signed  Employer Date 16/11/2026

9.0 Observations

No response is required to observations however they should be considered by both the client and the designer.

9.1 Observations: Lack of drainage details provided

Location: Throughout scheme

No information has been provided on the upgrade of the drainage throughout the scheme. Consideration should be given the gully locations particularity at the raised crossing location to avoid ponding.