

Title: **QUALITY AUDIT**
For;
St. Michael's Development Dun Laoghaire.

Client: **Muir Associates Ltd.**

Date: **October 2020**

Report reference: **0876R01**

VERSION: **FINAL**

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1.0 Introduction

This report was prepared in response to a request from Mr. Slaven Sose of Muir Associates Ltd for a Quality Audit of the proposed Access for the St. Michael’s Development at Dun Laoghaire.

The Quality Audit has been carried out in accordance with the guidance in the Design Manual for Urban Roads and Streets (DMURS), produced by Department of Transport Tourism and Sport in March 2013 and as updated in 2019.

This portion of the Quality Audit includes a road safety audit, an access audit, a walking audit and a cycle audit of the public road and access arrangements.

The Road Safety and Quality Audit Team comprised of;

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

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

The Quality Audit involved the examination of drawings and other material provided by Muir and Associates and a site visit by the Audit Team, together, on the 5th October 2020.

The problems raised in this Quality Audit may belong to more than one of the categories of Audit named above. A table has been provided at the start of Section 3 of this report detailing which category of audit each problem is associated with.

Recommendations have been provided to help improve the quality of the design with regard to the areas described above. A feedback form has also been provided for the designer to complete indicating whether or not he/she will accept those recommendations or provide alternative recommendations for implementation.

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

A feedback form for the Designer to complete is contained in **Appendix B**.

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

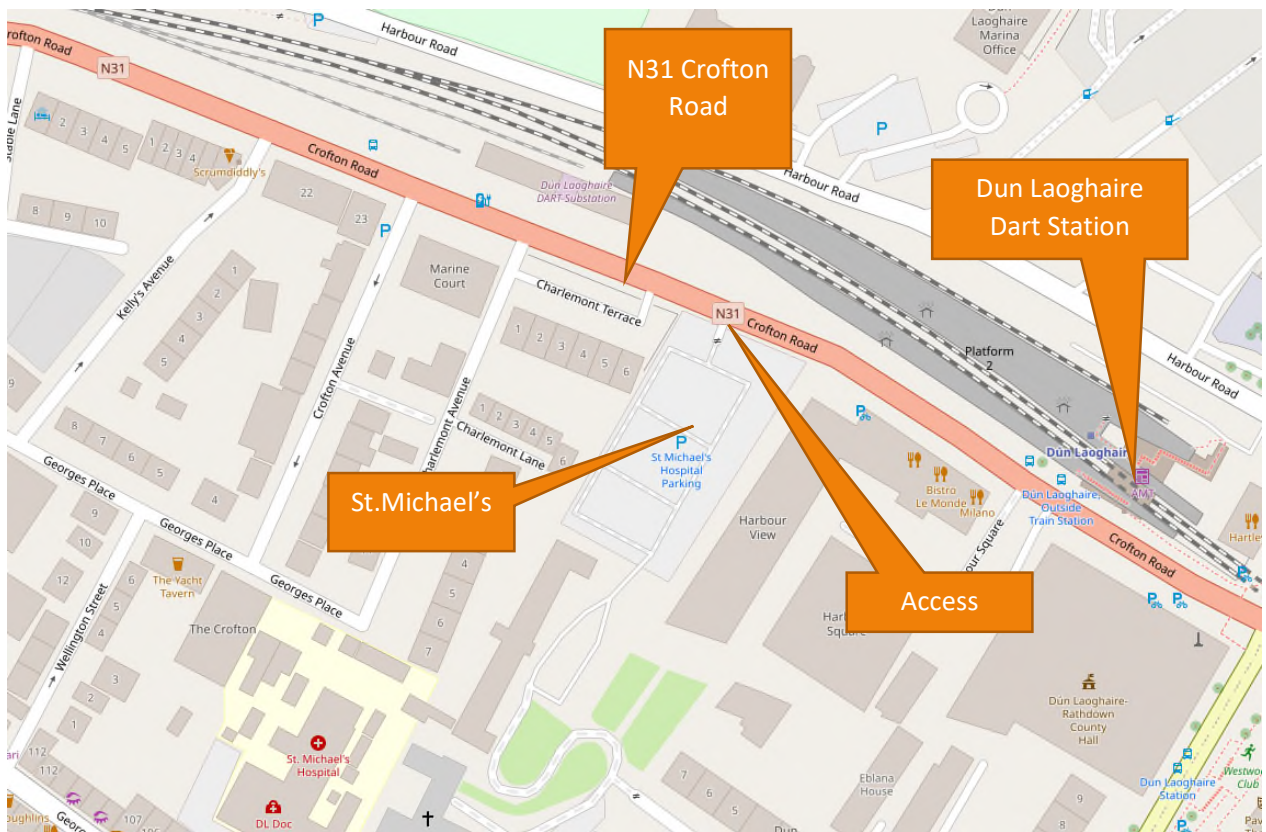
2.0 Background

It is proposed to redevelop the St. Michael's site at Crofton Road Dun Laoghaire. It is proposed to provide vehicular access from Crofton Road via a priority junction with a ghost island right turning lane.

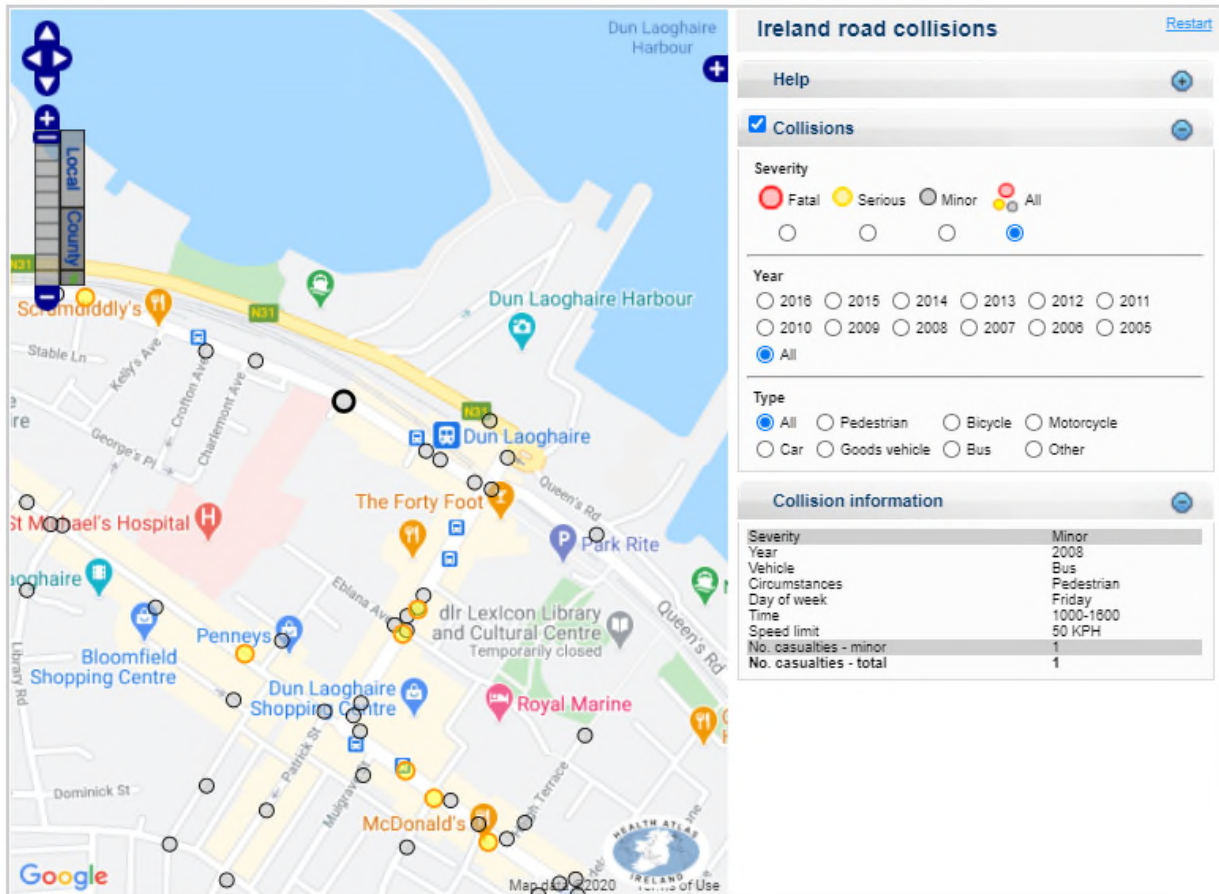
Crofton Road is a single carriageway road that runs parallel to the Dart line adjacent to Dun Laoghaire Harbour. It is a bus route. There is some on street parking including two Go Car spaces.

The speed limit is 50km/hr.

The site location is shown below.



The Road Safety Authority’s website www.rsa.ie shows that there was one minor injury collision adjacent to the St. Michael’s car park site in the 12 year period 2005 to 2016. There were a number of other minor injury collisions along Crofton Road closer to the Junction with Marine Road. Most collisions involved pedestrians.



3.0 Main Report

Summary Table of Problem Categories

Problem Reference	Access Audit	Walking Audit	Cycling Audit	Non-motorised User Audit	Road Safety Audit	Quality Audit
3.1	✓	✓			✓	✓

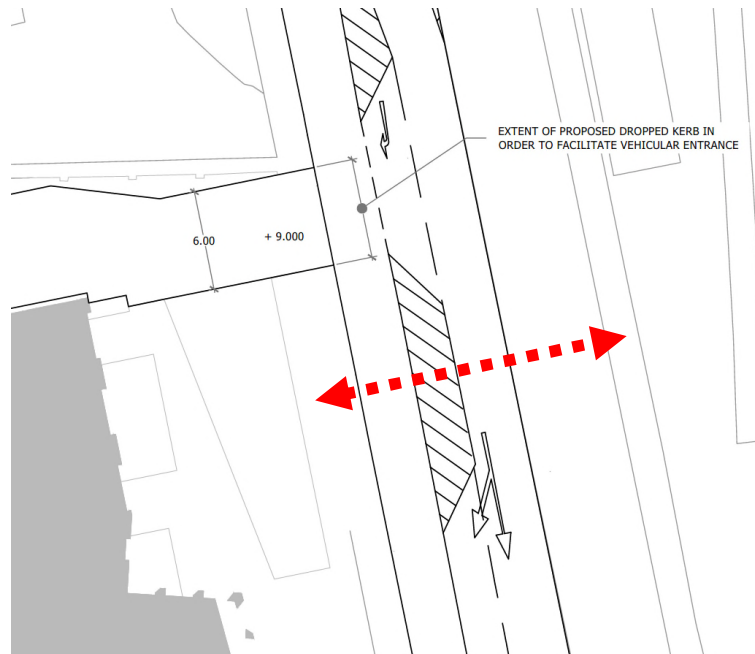
3.1 Problem

LOCATION

Drawing D1855-C-01

PROBLEM

There will be a pedestrian desire line across Crofton Road from the development to get to the footpath and onwards to the bus stops or Dart station. There are no crossing facilities in close proximity to the development and as a result pedestrians will cross the wide carriageway.



RECOMMENDATION

It is recommended that an uncontrolled pedestrian crossing be provided between the right turning lanes with a refuge island. A footpath should be extended across the grassed area on the northern verge to ensure there is a continuous solid footpath linking with the existing network.

4.0 Observations

4.1 Observation.

If queues are expected for right turning vehicles into the right turning pocket then a broken boundary line as per Figure 7.15 of the Traffic Signs Manual would be suitable at the Detailed Design Stage.

4.2 Observation

It is assumed that the dropped kerb referred to on the drawing will be 25mm high to facilitate vehicular access and will be detectable by blind or partially sighted pedestrians.

5.0 Quality Audit Statement

This quality Audit has been carried out in accordance with the guidance given in DMURS and takes into consideration the principles approaches and standards of that Manual.

The quality 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 Signed: 
(Quality Audit Team Leader) Dated: 6/10/2020

Owen O'Reilly Signed: 
(Quality Audit Team Member) Dated: 6/10/2020

Appendix A

List of Material Supplied for this Quality Audit;

- Drawing D1855-C-01

Appendix B

Feedback Form

QUALITY AUDIT FORM – FEEDBACK ON QUALITY AUDIT REPORT

Scheme: St. Michael's Dun Laoghaire

Quality Audit- Planning

Date Audit(site visit) Completed: 5-10-2020

Paragraph No. in Quality 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	Such a pedestrian crossing is outside the scope of the proposed development. However, the applicant would support the provision of a pedestrian crossing at this location by Dun Laoghaire Rathdown County Council.	Yes

Signed.....*Slaven Sate*
Design Team Leader

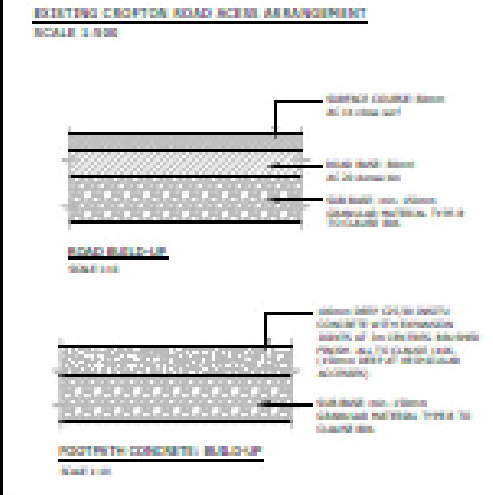
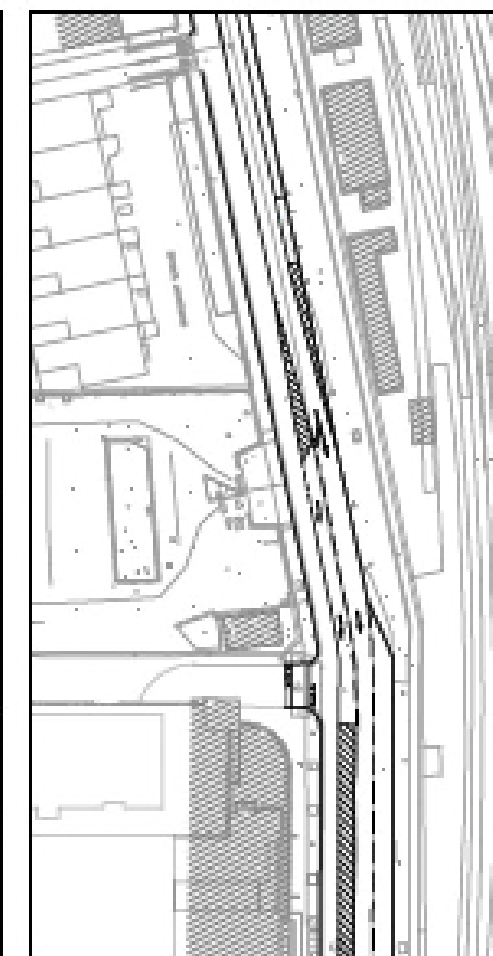
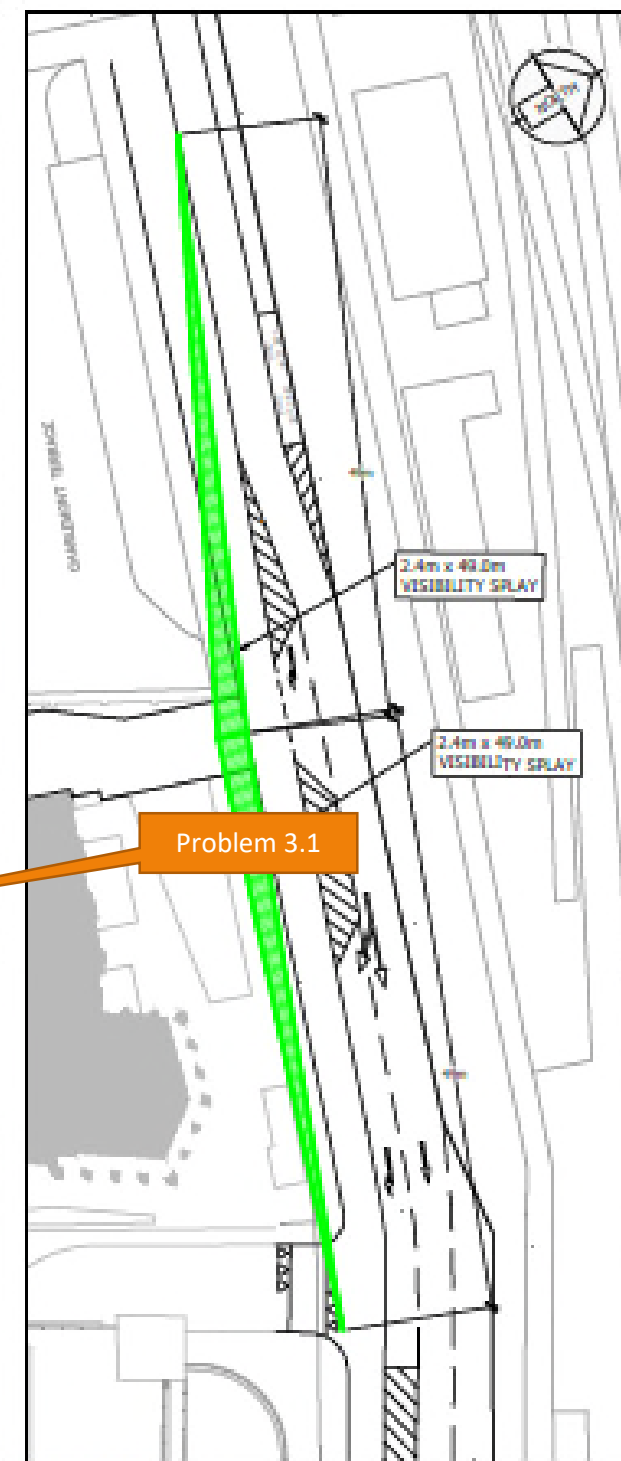
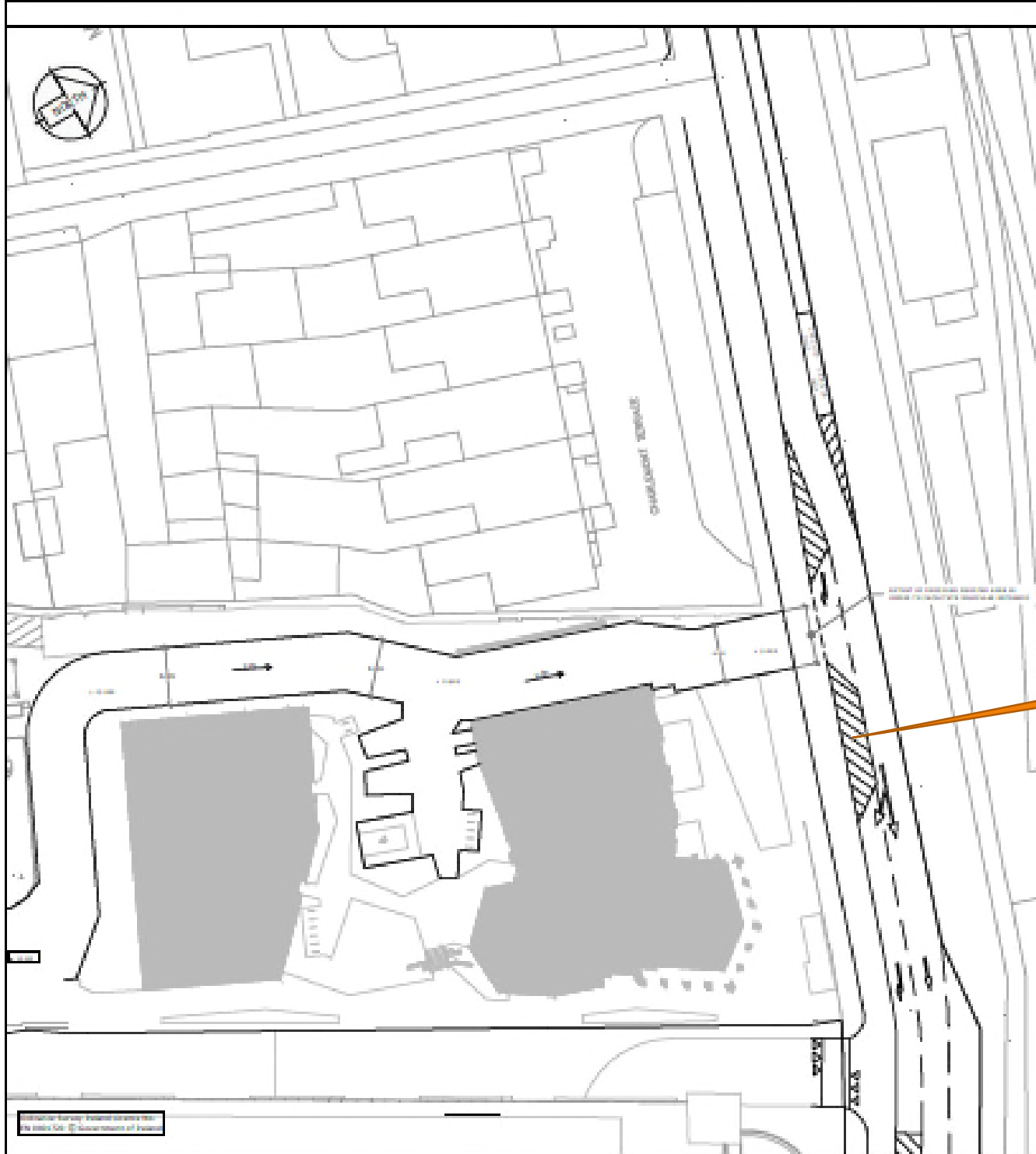
Date *06.10.2020.*

Signed.....*Norman Bruton*
Audit Team Leader

Date: 6/10/2020

Appendix C

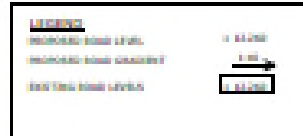
Problem Location Plan.



FINAL DRAFT

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- NOTES**
1. ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN METERS.
 2. DO NOT SCALE AND FIGURES DERIVED FROM THIS DRAWING ARE NOT TO BE USED FOR CONSTRUCTION.
 3. ALL DIMENSIONS TO COMPLY WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY AND COUNTY COUNCILS.
 4. ALL DIMENSIONS TO COMPLY WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY AND COUNTY COUNCILS.



NO.	DATE	DESCRIPTION	BY	CHECKED BY

Consulting Engineers
Project Managers

PROJECT: ST. MICHAEL'S DEVELOPMENT, DAN LROSHURRA	
CLIENT: FITZWILLIAM DL LTD	
TITLE: ROADS LAYOUT AND VISIBILITY SPY	
DATE: 10/11/2023	SCALE: 1:250
PROJECT NO: 00000000	DRAWING NO: 00000000