
Civil Engineering Report (Part 8 Planning)

Project:

Proposed Refurbishment &
Extension at
38 Gould Street,
The Lough, Cork

Client:

Cork City Council

Date of Report:

6th August 2024

Project Ref. No.:

22202

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1.0 Introduction

The following report outlines the civil engineering design elements for the proposed refurbishment and extension works at 38 Gould Street, The Lough, Cork. The applicant, Cork City Council, intend to apply for Part 8 Planning Permission for the proposed refurbishment and extension works, including all associated site works.

2.0 Civil Engineering Elements

2.1 Overview

This report should be read in conjunction with the Architectural drawings prepared by Kenneth Hennessey Architects and the DRA Consulting Engineers drawings listed below:

DRA Consulting Engineers Planning Drawings:

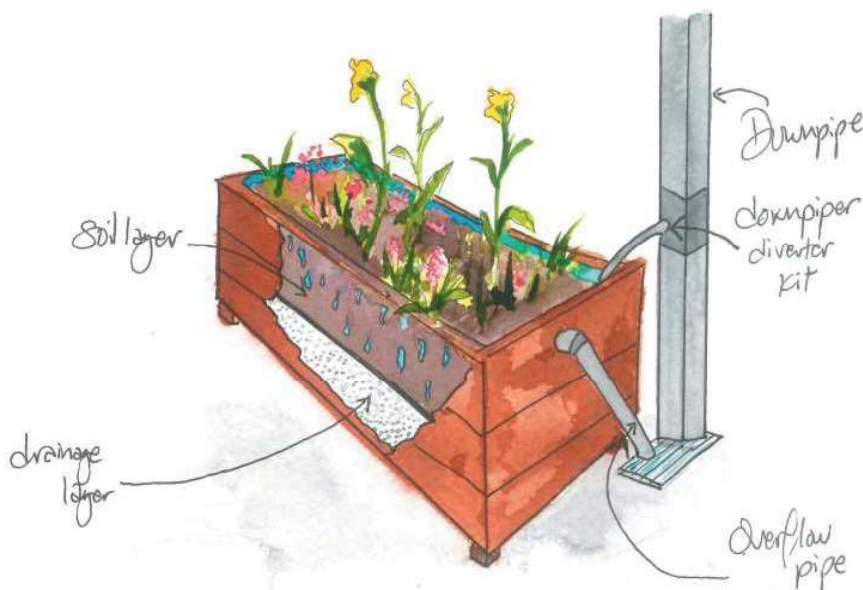
- Drawing no. 22202-001: *Site Location Map*
- Drawing no. 22202-002: *Proposed Drainage & Watermain Layout*

2.2 Surface Water

Surface water from the existing property discharges to the public network as follows:

- Surface water from the front elevation of the pitched roof discharges onto the public street via a gutter and rainwater downpipe which then discharges to the existing combined sewer in the public road via road gullies.
- Surface water from the rear elevation of the pitched roof is collected by a gutter and discharged to a channel in the rear garden which then discharges to an existing combined sewer.

Drawing no. 22202-002 *Proposed Drainage & Watermain Layout* has been prepared to show the surface water layout for the refurbished and extended property. This drawing includes details of pipework, access junctions and rainwater planters. It is proposed to maintain the existing strategy of discharging the front elevation pitched roof to the existing road gullies via a rainwater downpipe. It is proposed to collect surface water from the rear elevation flat & pitched roof via gutters and rainwater downpipes and discharge to the existing combined sewer. It is also proposed to provide some rainwater planters to the rear garden as a SUDS measure to help attenuate and reduce flows of surface water, with an overflow pipe connected to the proposed surface water pipework:



Example of Rainwater Planter

2.3 Foul Water

Drawing no. 22202-002 *Proposed Drainage & Watermain Layout* has been prepared to show the foul water layout for the refurbished and extended property.

It is proposed to discharge the properties foul water to new foul water access junctions, which will in turn discharge to the existing combined sewer in the rear garden, which discharges to the existing public combined sewer network.

As a connection to the public combined network already exists at the property, a pre-connection enquiry has not been submitted to Uisce Eireann.

2.4 Watermain

There is an existing connection to the public main at the existing property entrance.

Drawing no. 22202-002 *Proposed Drainage & Watermain Layout* has been prepared to show the foul water layout for the refurbished and extended property. It is proposed to utilise the existing watermain connection for water supply to the refurbishment and extended property.

As a connection to the public mains already exists at the property, a pre-connection enquiry has not been submitted to Uisce Eireann.