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DRAINAGE REPORT

39E Broughton Street M8 8NN

Introduction

Design 4 Build Services have prepared this drainage report for the property "39 E, Broughton Street, Manchester M8 8NN.

The site was visited on 12th September 2021 after a thorough survey of the existing drains layout without lifting covers of manholes to establish how the property is connected to the public drainage system.

1. Existing Drainage System

The layout of existing drainage system has been shown in the attached plan and is summarised as follows:

- This is a cash and carry (sui generis) business where business hours are 10:00 – 18:00 (mostly)
- There are two types of drainage system that exists in the area.
 1. Rainwater, the rainwater drainage network that capture and conduct rainwater towards the receiving water body designed for such purpose.
 2. Foul Drainage, foul drainage that carries wastewater away from a bathroom, kitchen, or utility room. For all properties connected to mains drainage, foul sewers will eventually transfer the contents of the drainage system to a local sewage treatment plant
- The visual survey on site help to understand the disposal of rainwater that runs along the metalled Street. A gully trap exists at the edge of metaled Street in front of existing shop and footpath.
- It is assumed that rainwater is drained through the gullies existing in the Broughton Street.

- Foul drainage is disposed of through a sewer pipes network at rear of the property. Existence of inspection chamber in the street at rear support our findings.
- The drainage network has been connected to main drainage system on Broughton Street.

2. Proposed Drainage System

The proposal introduces an extension which will have a WC at rear of the premises.

- The proposed plan of extension comprises a WC which will be connected to existing foul drainage network close to the rear wall in street.
- The rainwater pipe for extension will be connected with existing network.
- The roof rainwater will be drained through the existing network
- Currently the main entry to the site is hard surfaced which will remain as it is.
- The proposed development does not introduce any area of additional roof in lieu of existing paved area so there will be no increase in rainwater discharge system.

It is concluded that this small development will have no material effect on existing rainwater or foul drainage system.

DRAINAGE NETWORK

