

Tim Kilpatrick

From: Andrew Brookes <Andrew.Brookes@curtins.com>
Sent: 09 February 2023 16:29
To: Broster, Peter (MS); Tim Kilpatrick
Cc: Glen Watson; Peter Thomas; Winkley, Adam (MSC)
Subject: Gorton Library - Planning condition discharge
Attachments: GCH-CUR-00-XX-SH-Z-00001_TIDP-IssueSheet_LibrarySite-23-02-09.pdf; GCH-CUR-XX-XX-DR-C-90111-P04-Library Site, Civil Engineering Construction Details Sh1.pdf; GCH-CUR-XX-XX-DR-C-92101-P05-Library Site, Proposed Drainage Layout.pdf; GCH-CUR-XX-XX-DR-C-92102-P01-Library Site, Drainage Areas Plan.pdf; GCH-CUR-XX-XX-RP-C-92100-P03-Drainage_Strategy.pdf

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Hi Peter, Tim,

As agreed at the Design update meeting on 03/02/23, please see below and attached submission to discharge planning condition 13 of application ref: 135449/VO/2022. Have MS been successful in proving that the existing surface water drain connects to the sewer in Engell Close? If so, I can reword item 1 below to suit, and it should allow the LPA to approve the condition discharge.

Curtins have reviewed the delegated officer report for planning application 135449/VO/2022 as it gives further detail on what the LPA and LLFA are expecting to see from the drainage design. We provide the following commentary to support the discharge of planning condition 13.

1. The contractor aims to demonstrate an existing connection from the existing private surface water drain to the public surface water sewer in Engell Close, via a dye test. It is hoped that this would be sufficient to satisfy the LLFA and LPA for now. A further detailed survey can follow. If the existing connection cannot be proven or is proven to connect to the combined sewer, it is proposed that a new connection is made to the surface water sewer.
2. The proposed drainage layout now indicates flow routes with red arrows for the rainfall exceedance event, which demonstrate that water would flow into the highway in accordance with best practice.
3. All defects on drainage proposed for reuse now include annotations of the proposed remedial works to be undertaken.
4. The drainage strategy describes how the proposals manage pollution risk to surface water in the water quality commentary in sections 4.3 and 4.6. This has been assessed in accordance the Simple Index Approach set out in CIRIA 753.
5. The previously submitted hydraulic calculations included a simulation of the 1:1, 1:30 and 1:100 year events. They have been revised to simulate the 1:2 year event instead of the 1:1 year event.
6. An existing and proposed impermeable area drawing has been prepared (see GCH-CUR-XX-XX-DR-C-92102).
7. A wastewater pre-development enquiry was submitted to United Utilities on 19/01/2023. Curtins are continuing to liaise with them to secure agreement to the surface water discharge (See attached email correspondence trail).
8. The drainage strategy Section 6 discusses the drainage maintenance.

Please see attached Drainage Strategy revision P03, and separate copy of the proposed drawings which capture the above updates.

Regards,
Andy

Andrew Brookes (He/him)
Project Civil Engineer



T. 01539 724 823
andrew.brookes@curtins.com

Units 24-25 Riverside Place
K Village
Lound Road
Kendal LA9 7FH

INVESTORS IN PEOPLE
We invest in people

CIVILS & STRUCTURES • TRANSPORT PLANNING • ENVIRONMENTAL • INFRASTRUCTURE • GEOTECHNICAL • CONSERVATION & HERITAGE • PRINCIPAL DESIGNERS
Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Kendal • Leeds • Liverpool • London • Manchester • Nottingham



Connect with us on LinkedIn

www.curtins.com