Ryan Millar

From: Chris Kendrick <[redacted]
Sent: 12 June 2026 14:47
To: James Bruce; Ryan Millar; Rob Metcalfe; Gareth Gillard; Thomas Clark; Paul Morris
Cc: Matthew Watts; Stephen Lythgoe; Jamie Hanson
Subject: RE: CDN/26/0278 - Land Bounded By Ardwick Green North, Cotter Street & Niven Street
Attachments: 2075-CIV-XX-XX-D-C-30001.pdf; 2075-CIV-XX-XX-D-C-30002.pdf; 2075-CIV-XX-XX-D-C-30003.pdf; 2075-CIV-XX-XX-D-C-31002.pdf; SW Drainage with asbuilt Levels from C&R P02.pdf

Hi Ryan,

See below responses to the LLFA comments (in red) and attached updated documents. In summary there were node / pipe reference discrepancies between the calcs and drawings which have been rectified (partly as we have 3 drainage drawings and some of the labels were omitted for clarity on the overall drainage layout). There are no issues with the pipe sizes in the drainage calcs versus the as-builts. The referencing of bedding classes or types is not correct in our view and has no impact on the installation and structural integrity of the installed pipeline and should not be a reason for preventing the discharge of condition so we have not updated this.

The submitted information contains inconsistencies between the drainage drawings and the hydraulic modelling.
The long section of the attenuation tank shows both the inlet and outlet pipes as 225 mm diameter. However, the modelling assumes the outlet pipe to be 150 mm diameter. This discrepancy does not correspond with the Surface Water Drainage Strategy drawing (2075-CIV-XX-XX-D-C-300, Rev C03). In addition, the drawing is incomplete, as pipe and manhole labelling has not yet been completed.
The modelling was carried out using 225 mm diameter inlets and outlets to the attenuation tank which is aligned with the designed and as-built information. The updated labelling has been revised to reflect this more clearly between calculations and drawings. The drainage layouts are shown across 3 drawing sheets so some labelling was not included on the drawing referred above. We have therefore added further labelling to the sheet above. The hydraulic calcs have been updated in line with the chamber references shown on the surface water drainage strategy drawing (2075-CIV-XX-XX-D-C-30001-30002). See attached.

Furthermore, on Typical Drainage Details Sheet 2 (Drawing No. 2075-CIV-XX-XX-D-C-31), the pipe bedding and surround are referred to as Class Z and Class S. These should be corrected to Type Z and Type S.
Bedding Classes are Bedding classes are defined in:-
BS 8005: Part 1
IGN No. 4-11-02
TRRL – Simplified Tables of External Loads on Buried Pipelines
These are still current and referenced within the Sewerage sector guidance documents and appendices. Building Regulations approved document Part H also reference bedding classes so we see no reason to change these to "Types".

Please ask applicant to:

Complete and revise the drainage drawings, including full labelling. – done and attached
Revise the hydraulic modelling so that it corresponds accurately with the proposed drainage network and drawing details. – references now updated
Correct the terminology relating to pipe bedding and surround materials. – not required

Revised drawings and updated modelling outputs should be submitted for LLFA review.

Regards,
Chris

Chris Kendrick
Associate Director
Civil & Structural Team
[redacted]