



LB/9762

13th April 2022

Former Mather & Platt Foundry, Grimshaw Lane, Manchester, M40 2BA
Planning Application Number: 129444/FO/2021

Please find below responses and accompanying information in relation to latest comments on the submission to clear planning condition 6 on surface water drainage.

Planning Condition 6

- Details of how the existing discharge rates have been calculated.

Existing runoff rates from impermeable areas have been calculated using the Modified Rational Method and the soft landscaped areas runoff has been calculated using the IH124 method. See enclosed existing runoff calculations.

- Evidence that the drainage system has been designed (unless an area is designated to hold and/or convey water as part of the design) so that flooding does not occur during a 1 in 100 year rainfall event with allowance for 40% climate change in any part of a building; Some discrepancies between the hydraulic model and proposed drainage layout.

The below ground surface water design has been updated to attenuate the whole site with a proposed discharge rate of 95 l/s in line with United Utilities agreed discharge to the adjacent combined sewer within Grimshaw Lane without flooding. See enclosed updated Proposed Drainage Layout drawings and Surface Water Microdrainage Calculations.

- Further correspondence with the Canal and Rivers Trust to understand if a proposed SW outfall to the canal is feasible following the modelling exercise carried out in June 2021 (as per the correspondence submitted with the application).

We have enclosed the latest correspondence with Canal & River Trust which refers to this section of the Canal being one of the hotspots for high risk of overtopping and proposes the pursue of alternative surface water discharge methods.



- Where surface water is connected to the public sewer, agreement in principle from United Utilities is required that there is adequate spare capacity in the existing system taking future development requirements into account. An email of acceptance of proposed flows and/or new connection will suffice. - Further correspondence from United Utilities confirming the proposed flows to the combined network.

The reuse of the existing connection to the public combined sewers at a further restricted rate of 95l/s was agreed with Graham Perry at United Utilities, refer to latest correspondence with United Utilities enclosed.

- Construction details of pond and other SuDS elements.

Enclosed within the supporting information are proposed drainage details drawings showing construction details for the adopted SuDS systems.

Yours sincerely,

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