

## James Wright

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**To:** Adele Brindle  
**Subject:** RE: Planning- Didsbury

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**From:** Will Brown <[willbrown@ggpconsult.co.uk](mailto:willbrown@ggpconsult.co.uk)>  
**Sent:** Monday, March 25, 2024 5:25 PM  
**To:** Adele Brindle <[a.brindle@mckassociates.co.uk](mailto:a.brindle@mckassociates.co.uk)>  
**Cc:** Allan MacInnes <[Allan.MacInnes@mccarthyandstone.co.uk](mailto:Allan.MacInnes@mccarthyandstone.co.uk)>  
**Subject:** Re: Planning- Didsbury

Afternoon Adele,

Thanks for sending this through.

Please see below response to Condition 6.

No above ground development shall take place until surface water drainage works have been implemented in accordance with Non-Statutory Technical Standards for Sustainable Drainage Systems (March 2015) or any subsequent replacements national standards and details that have been submitted to and approved in writing by the City Council as Local Planning Authority.

The submitted details shall include the following:

-Consideration of alternative green SuDS solution (that is either utilising infiltration or attenuation) if practicable;

Within this scheme an attenuation tank has been used as a SuDs feature.

Within this scheme porous parking has been used as a SuDs feature.

-Details of surface water attenuation that offers a reduction in surface water runoff rate in line with the Manchester Trafford and Salford Strategic Flood Risk Assessment.

5l/s within the scheme has been proposed and accepted by United Utilities.

This offers a reduction to the previous discharge rate at the Qbar rate of 9l/s.

This has followed from the recommendations within the FRA.

-An existing and proposed impermeable areas drawing to accompany all discharge rate calculations.

Please find attached drawings below in relation to the above point.

'GGP29359-A-101-Existing Impermeable Area'.

'GGP29359-C-102-Proposed Impermeable Area'.

-Runoff volume in the 1 in 100 year, 6 hours rainfall shall be constrained to a value as close as is reasonable practicable to the greenfield runoff volume for the same event, but never to exceed the runoff volume from the development site prior to redevelopment;

Please find attached drawings calcs in relation to the above point.

'1 in 100 year results'.

-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 climate change in any part of a building;

Please find attached drainage calcs in relation to the above point.

'1 in 100 year results'.

-Assessment of overland flow routes for extreme events that is diverted away from buildings (including basements). Overland flow routes need to be designed to convey the flood water in a safe manner in the event of a blockage or exceedance of the proposed drainage system capacity including inlet structures. A layout with overland flow routes needs to be presented with appreciation of these overland flow routes with regards to the properties on site and adjacent properties off site;

Please find attached the below

'GGP29359-B-120-Proposed Flood Exceedance Plan'

-Results of ground investigation carried out under Building Research Establishment Digest 365. Site investigations should be undertaken in locations and at proposed depths of the proposed infiltration devices. Proposal of the attenuation that is achieving half emptying time within 24 hours. If no ground investigations are possible or infiltration is not feasible on site, evidence of alternative surface water disposal routes (as follows) is required.

Please find attached the below

'UU REF 05491936 - Spath Road, Didsbury, Manchester'.  
'Didsbury Soakaway Calculations'

-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.

Please find attached 'UU REF 05491936 - Spath Road, Didsbury, Manchester.

-Hydraulic calculation of the proposed drainage system;

Please find attached drawings calcs in relation to the above point.

'1 in 100 year results'.

'1 in 30 year results'.

'1 in 1 year results'.

-Construction details of flow control and SuDS elements.

Please find attached drawings below in relation to the above point.

'GGP29359-C-102-Proposed Impermeable Area' (Porous Parking).

'SHE-0104-5000-1100-5000\_Design\_Drawing' (Flow Control).

'SHE-0104-5000-1100-5000\_Hydraulic\_Characteristics' (Flow Control).

The development shall be carried out in accordance with the agreed details.

Kind Regards.

**Will Brown**  
Project Civil Engineer



Consulting Engineers

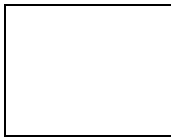
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On Mon, 25 Mar 2024 at 15:07, Adele Brindle <[a.brindle@mckassociates.co.uk](mailto:a.brindle@mckassociates.co.uk)> wrote:

Hi Will,

Please see attached as requested.

Kind regards,

**Adele Brindle BSc (Hons) MCIAT AaPS**  
Senior Architectural Technologist

Tel: 01772 774510

**Option 1: Commercial Team**

*Option 2: Planning Team*

*Option 3: Technical Team*

*Option 4: Accounts*



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