

Brimblecombe, Jack

From: Perry, Graham <Graham.Perry@uuplc.co.uk>
Sent: 24 March 2022 23:21
To: Brimblecombe, Jack
Cc: Wastewater Developer Services
Subject: RE: Repeat PDE Port Street, Manchester M1 2FA - Drainage Strategy - UU Ref. 4200042330

Hello Jack

Yes the proposals are acceptable

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From: Brimblecombe, Jack [<mailto:Jack.Brimblecombe@wsp.com>]

Sent: 24 March 2022 12:08

To: Wastewater Developer Services <WastewaterDeveloperServices@uuplc.co.uk>; Mostyn, Stephen <Stephen.Mostyn@wsp.com>

Cc: Perry, Graham <Graham.Perry@uuplc.co.uk>

Subject: RE: Repeat PDE Port Street, Manchester M1 2FA - Drainage Strategy - UU Ref. 4200042330

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Good Morning Graham,

I tried to ring you on your mobile number yesterday afternoon but with no luck so left a voicemail.

The Port Street development has now moved into the detailed design stage prior to which CCTV surveys were conducted to further confirm details of the onsite drainage and its offsite connectivity.

At planning stage it was agreed that the site would discharge at two points due to the difference in levels on site:

- 8l/s from building and frontage to Port Street (5l/s from tank + 3l/s from basement pump)
- 5l/s from rear externals to Tariff Street via existing on site drain subject to CCTV confirmation of its suitability

The CCTV surveys have since been unable to confirm the connection of the existing drain to the UU asset in Tariff Street with the appetite of the client to use this drain diminishing due to it crossing 3rd party land and the maintenance issues this brings.

We are therefore proposing draining the entire site to the combined sewer in Port Street but retaining the arrangement of the 2no. 5l/s discharges and the pumped discharge from the basement of 3l/s. This would result in a total discharge to Port Street of 13l/s.

We are proposing to keep the 2 separate 5l/s discharges for the external areas and building areas as introducing a tank large enough for a single discharge is not feasible with the development including a significantly sized basement and the buildings extensive foundation footprint.

In terms of reducing the flow rates from the rear externals, we are proposing two separate areas of permeable hardstanding with individual flow control devices set to particularly low flow rates so reducing these further would only work to increase risk of blockages.

Please can you confirm whether you agree to this renewed approach to the discharge rates from site?

I am happy to discuss this in detail over the phone.

Kind Regards,

Jack Brimblecombe MEng (Hons)

Graduate Engineer



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No 8 First Street
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From: Perry, Graham <Graham.Perry@uuplc.co.uk>

Sent: 03 November 2021 16:51

To: Brimblecombe, Jack <Jack.Brimblecombe@wsp.com>; Mostyn, Stephen <Stephen.Mostyn@wsp.com>

Cc: Wastewater Developer Services <WastewaterDeveloperServices@uuplc.co.uk>

Subject: RE: Repeat PDE Port Street, Manchester M1 2FA - Drainage Strategy - UU Ref. 4200042330

Hello Jack

I am happy with the drainage principles where you have two gravity discharges at 5 l/s serving the main building above ground and a pumped discharge at 3 l/s serving the basement area.

I would ask that any other discharges in the basement are drained through this pump arrangement due to the potential of surcharging in the receiving sewer which could end up in the basement if a path is formed by way of a new gravity connection.

Once you have your final drainage scheme prepared could I ask that you send me a copy so that I can check surcharge levels etc

Thanks

Graham Perry



Graham Perry
Development Engineer
Developer Services
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T: 01925 679405
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From: Wastewater Developer Services

Sent: 01 November 2021 09:28

To: Perry, Graham <Graham.Perry@uuplc.co.uk>

Subject: Repeat PDE Port Street, Manchester M1 2FA - Drainage Strategy - UU Ref. 4200042330

Morning Graham,

Please see repeat PDE below and attached.

<https://uusp/asset/DSDD/Development%20Documents/Forms/AllItems.aspx?RootFolder=%2Fasset%2FDSDD%2FDevelopment%20Documents%2FManchester%2FPre%20Enquiry%2F2021%2F4200042330%20Port%20Street%20Manchester%20M1%202FA&View=%7B012D10BC%2D8A6E%2D465F%2D9704%2D60731F4571F6%7D&InitialTabId=Ribb on%2ERead&VisibilityContext=WSSTabPersistence>

Kind Regards,



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Did you know we now have a live chat facility available to you Mon to Friday 8 -5pm. You just click on the orange live chat box on our webpage and one of our advisors will be ready to chat to you and help you with your enquiry

<https://www.unitedutilities.com/builders-developers/> or you can email us at WastewaterDeveloperServices@uuplc.co.uk

From: Brimblecombe, Jack [<mailto:Jack.Brimblecombe@wsp.com>]

Sent: 26 October 2021 15:16

To: Wastewater Developer Services <WastewaterDeveloperServices@uuplc.co.uk>

Cc: Mostyn, Stephen <Stephen.Mostyn@wsp.com>

Subject: Port Street, Manchester M1 2FA - Drainage Strategy - UU Ref. 4200042330

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Good Afternoon Graham,

See attached impermeable area mark up for Port Street. Please note that this scheme has a basement ramp which is uncovered and therefore runoff from the ramp will be collected via an ACO drain at the base of the ramp.

The level of the basement (46.70 floor level) means it is not possible to connect this drain into the attenuation tank and a connection direct to the combined sewer in port street risks flooding of the basement in the event of the sewer being surcharged. The floor level of the basement is also still under review and could be dropped further.

On the basis of the above, it is currently proposed to install a packaged pump station at basement level to pump the run-off from the ramp (peak rate of 2.53l/s) to the proposed private combined manhole on the Port Street frontage of the development. This will mean that this intermittent pumped discharge (3 l/s tbc) will be separate and additional to the agreed 2no. 5l/s discharges.

We are in the process of organising a drainage survey to confirm the outfall for drainage from the southern areas of the site as requested on your latest correspondence. We hope to have this done prior to planning submission but this is dependent on the availability / timescales of the survey contractor.

Can United Utilities confirm whether the above proposals for drainage from the basement ramp are acceptable in principle and provide any comments?

Kind Regards,

Jack Brimblecombe MEng (Hons)

Graduate Engineer



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