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Old Market Street, Blackley M9 8DX

1. Surface water runoff collection

It is not possible to harvest rainwater as space is very limited on the site.

2. Ground infiltration

We carried out two permeation tests, the first test was completed by a site operative on a 1m x 1m x 1m plot. This showed the ground was draining very slowly. We then instructed Earth Environmental & Geotechnical Limited to conduct a more detailed test who also deemed infiltration to be too slow to calculate. Test results can be viewed at:

<https://www.dropbox.com/scl/fi/2mikrzeg69lm2v79qrwyg/Appendix-A-Soakaway-Pit-Logs.pdf?rlkey=9au02fae33zjjdk6yrlh2ysxy&dl=0>

and

<https://www.dropbox.com/scl/fi/h12bijwl07ywe5tasdr8z/Appendix-B-Soakaway-Testing-Results.pdf?rlkey=txh4pg0g6xnna7qn7sbqkoajj&dl=0>

3. Watercourse or other surface water body

There is no body of water in the vicinity

4. Surface water sewer/Highway drain

There is no surface water sewer in the vicinity.

The nearest highway drain is on Old Market Street but the invert level will not work. Due to the location of the connection and the disruption it would cause, highways have indicated they would be likely to reject any application.

The alternative would be to connect into Dommet Street but again the invert level will not work.

We are unable to instal a pumping station due to the limited space on the site.

5. Combined Sewer

The drain we are proposing will have likely serviced the building in the past but we have not been able to obtain any historical records. The drain report shows that the drain does connect to combined sewer on Westgate Avenue but will need some remedial works – a full jetting as currently 50% silt, resetting of a displaced joint and some lining. Our proposal also includes an attenuation tank to stem the flow into the drain and permeable paving in the carpark.