



CIVIL AND STRUCTURAL ENGINEERS

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Our ref: RMW/DW/13680/let1/20

Date: 29th October 2020

Dear Philip

Re: 3 Highfields Grove, Fitzroy Park, Highgate, London N6 6HN

Further to your enquiry and recent correspondence, thank you for undertaking the soakaway falling head test carried out in accordance with BRE Digest 365 Soakaway Design.

The size of the trial hole was excavated as per the attached calculation sheets and results of the falling head test have been interpreted and put into the calculation package to design the size of soakaway required for the block paved hardstanding area to the front of the subject property.

The surface area of the hardstanding has been used as the criteria for the sizing and in producing the storm frequency and size as per the British Standard, the calculations prove a soakaway size of 1.07m³.

I recommend soakaway crates as they have increased volume and permeability than the old style traditional brick filled soakaways which decrease the volume and increase the permeability.

Crates should be installed in accordance with the manufacturer's instructions using Terram wrapping to prevent soil ingress.

The positioning of the crate soakaway should be again in accordance with British Standards and therefore in excess of 5 metres from any building structure. This would be best placed as close to the bottom of the driveway as possible to save excess digging into the sloping site.

If there are any questions or queries with our design or recommendations, please do not hesitate to contact us.

Yours sincerely

Robert M Wallbank BSc., C.Eng., M.I.C.E.

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