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Rossella Faraci
Allde
68 Pilgrim's Lane
Hampstead,
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cc Osman Ozsan and Maria Dolores Gregori Fuster

28 October 2016

Dear Rossella

Thank you for providing the opportunity to comment upon the issue of rainwater attenuation arising out of the Campbell Reith Basement Impact Assessment dated 12 October 2016.

Basement Impact Assessment – Audit Campbell Reith 12 October 2016
Section 4.0 Discussion - Extract Section 4.7 page 8 - Rainwater Attenuation

> 4.7 It is accepted that the site is largely covered by existing buildings and areas of hardstanding such that infiltration of rainwater into the ground is limited to the areas of soft landscaping in the front and rear gardens. It is noted that the area of hardstanding as a result of the development is slightly increased and that attenuation measures will be provided to accommodate the slightly increased flow. Outline proposals of the form and location of attenuation measures are requested for review.

Response
The footprint of the proposed development is marginally greater than the existing building footprint. The loss of natural infiltration within the footprint of the proposed development is represented by planted beds to the side and rear of the premises which equate to approximately 6.13sqM.

By removal of the existing hard paving terrace in the rear garden, which does not occur within the footprint of the proposed building, the balance of natural infiltration can be reinstated providing a zero requirement for formal attenuation.

However in a bid to provide some innovation of sustainable rainwater management from the roof scape, a rainwater harvester system is being deployed as part of the sustainability proposal for the site. This is largely driven by the limitation of space and a nominal 1000 litre tank is being installed underground in the rear garden area. This tank will have a nominal allocation of 30% dedicated to attenuation. A hydraulic break flow control device will be fitted into the overflow from this tank. This will provide a discharge rate of not greater than 5 Lt/sec on a potential attenuated volume of 0.30 cuM. A further opportunity exists in the front garden for a second rainwater harvester system but tree infestation will need to be investigated before committing to this second element.

The rainwater harvester proposal is geared towards garden use only.
The attached plan illustrates the proposal.

End of Response Read in conjunction with plan referenced as HCL – RHW01

yours sincerely,
BK Hewitt
Hewitt Consulting Ltd