

23rd September 2019

LBHGEO

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Dear Charles

2018/3672/P - 55 Fitzroy Park, Highgate

We have studied the comments received from the Camden Lead Local Flood Authority (LLFA) dated 22nd August 2019 (prepared by Aecom).

The comments conclude in a series of four "Actions for Applicant" as follows:

1. Provide the maximum volume each of the SuDS features can accommodate, as well as freeboard requirements in order to verify if the 141.5m³ of attenuation required can be accommodated and indicate the discharge rate from the impermeable driveway to the combined sewer.
2. Provide calculations in demonstration of the discharge rate from the swale and the discharge rate to the combined sewer for the 1 in 1-year event, the 1 in 30 event, the 1 in 100 year event and the 1 in 100 year + 40% CC event.
3. Provide evidence of acceptance of discharge proposal to Hampstead Heath from the Corporation of London
4. Provide Outline flood mitigation measures for Plots 4 & 5 to demonstrate how these plots will be mitigated against the ingress of surface water.

Coyle Kennedy (CK), consulting engineers, have prepared the attached drainage report for the site that addresses items 1 to 3 above.

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Item 1 The SuDS volumes are included in the plan on Page 7 (of13) of the CK report which also shows a flow control limiting the discharge rate from the impermeable driveway to the combined sewer at 5 l/sec.

Item 2 Calculations are included on Pages 10 to 13 of the CK report, including discharge rates to the combined sewer for the 1 in 1-year event, the 1 in 30 event, the 1 in 100 year event and the 1 in 100 year + 40% CC event.

Item 3 The Corporation of London's requests regarding maintaining the current discharge to Hampstead Heath is addressed on page 1 (Page 3 of 13) of the CK report.

Item 4 . This was actually addressed in our Hydrological & Hydrogeological assessment LBH4480 Ver 2.0 section 7.8 (page 31), where it was indicated that local landscaping would be used to direct any surface water flooding away from Plots 4& 5 and direct this to the designated overland flood route immediately to the north of Plot 5.

I hope this answers the issues raised and confirm that we would be pleased to answer any further queries.

Yours Sincerely

Seamus Lefroy-Brooks

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