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Mark Kemp



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Date 17 May 2019

**RE: 6/2019/0857/MAJ – Stanborough Park, North Stanborough Park, Stanborough Road, AL8 6DF**

Dear Sarah,

Thank you for your consultation in relation to the above planning application for the removal of existing children's playground and reinstatement of ground as parkland; Construction of new playground including splash pad with associated changing room facility; kiosk; fencing around compound; outdoor gym equipment; drainage, earthworks and landscaping, at Stanborough Park, North Stanborough Park, Stanborough Road, AL8 6DF.

Following a review of the Flood Risk Review prepared by Conisbee, reference 171116/T Gavaza, version 1.4, dated 1<sup>st</sup> April 2019 and additional information sent to the LPA, we can confirm that we Hertfordshire County Council as the Lead Local Flood Authority are now in a position to approve the scheme on flood risk grounds.

The drainage strategy is based upon permeable paving features, permeable paving with sub-base storage and discharge into a main river. We note surface water calculations have been provided and ensure that the drainage strategy caters for all rainfall events up to and including 1 in 100 plus 40% for climate change with 2 l/s discharge to the River Lea.

We therefore recommend the following conditions to the LPA should planning permission be granted.

#### **Condition 1**

The development permitted by this planning permission shall be carried out in accordance with the approved surface water drainage assessment carried out by Conisbee, drawing number 171116-CON-X-00-DR-C-1000, titled Drainage Strategy,

revision T2, dated 14 May 2019 and the following mitigation measures detailed within the FRA:

1. Limiting the surface water run-off generated by the critical storm events so that it will not exceed the surface water run-off rate of 2 l/s during the 1 in 100 year event plus 40% of climate change event.
2. Providing storage to ensure no increase in surface water run-off volumes for all rainfall events up to and including the 1 in 100 year + climate change event providing a minimum of 141 m<sup>3</sup> (or such storage volume agreed with the LLFA) of total storage volume in permeable paving with sub-base features.
3. Discharge of surface water from the private drainage on site into the River Lea.

The mitigation measures shall be fully implemented prior to occupation and subsequently in accordance with the timing / phasing arrangements embodied within the scheme, or within any other period as may subsequently be agreed, in writing, by the local planning authority.

### **Reason**

1. To prevent flooding by ensuring the satisfactory disposal and storage of surface water from the site.
2. To reduce the risk of flooding to the proposed development and future occupants.

### **Condition 2**

No development shall take place until a detailed surface water drainage scheme for the site based on the approved drainage strategy and sustainable drainage principles, has been submitted to and approved in writing by the local planning authority. The scheme shall subsequently be implemented in accordance with the approved details before the development is completed. The scheme shall include:

1. Modelling of both the fluvial and pluvial catchments should be undertaken including the combination of high fluvial levels and the worst rainfall event (1 in 100 year event plus climate change allowance). This should include as well modelling for the 1 in 30 year rainfall event.
2. Final detailed drainage layout including the location and provided volume of all SuDS features, pipe runs and discharge points.
3. Detailed engineered drawings of the proposed SuDS features including cross section drawings, their size, volume, depth and any inlet and outlet features including any connecting pipe runs.
4. Final detailed management plan to include arrangements for adoption and any other arrangements to secure the operation of the scheme throughout its lifetime.

### **Reason**

1. To prevent the increased risk of flooding, both on and off site.

## **Informative to the LPA**

Please note if the LPA decide to grant planning permission we wish to be notified for our records should there be any subsequent surface water flooding that we may be required to investigate as a result of the new development.

Yours sincerely,

Julia Puton

SuDS Officer

Hertfordshire County Council