

Essex County Council  
**Development and Flood Risk**  
**Waste & Environment**  
C426 County Hall  
Chelmsford  
Essex CM1 1QH



Mr Mark Boulton  
The Planning Inspectorate  
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Temple Quay  
Bristol BS1 6PN

Date: 29<sup>th</sup> June 2022  
Our Ref: SUDS-006039  
Your Ref: S62A/22/0000004

Dear Sir,

**Consultation Response –S62A/22/0000004 – Land East of Parsonage Road and South of Hall Road, Stansted, Essex CM22 6PL**

Thank you for your email received on 20/05/22 which provides this Council with the opportunity to assess and advise on the proposed surface water drainage strategy for the above mentioned planning application.

As the Lead Local Flood Authority (LLFA) this Council provides advice on SuDS schemes for major developments. We have been statutory consultee on surface water since the 15<sup>th</sup> April 2015.

In providing advice this Council looks to ensure sustainable drainage proposals comply with the required standards as set out in the following documents:

- Non-statutory technical standards for sustainable drainage systems
- Essex County Council's (ECC's) adopted Sustainable Drainage Systems Design Guide
- The CIRIA SuDS Manual (C753)
- BS8582 Code of practice for surface water management for development sites.

**Lead Local Flood Authority position**

Having reviewed the Flood Risk Assessment and the associated documents which accompanied the planning application, we **do not object** to the granting of planning permission based on the following:

**Condition 1**

The development permitted by this planning permission shall be carried out in accordance with the approved Flood Risk Assessment and Sustainable Drainage Strategy, document HLEF78850, v3, of January 2022, by RPS and the following additional mitigation measures:

### Soil Management.

- Chisel ploughing between array rows shall be carried out as required to break up ground compaction.

### SuDS Features.

- Measures shall be provided to actively prevent the development of channelised flows, such as filter trenches, filter strips or bunding, all aligned with site contours.
- Measures shall be provided to intercept the run-off from the sub-station hardstanding

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 Planning Authority

### **Reason**

- To prevent flooding by ensuring the satisfactory storage of/disposal of surface water from the site.
- To ensure the effective treatment of surface water runoff to prevent pollution.
- Soil compaction can cause increased run-off from the site. Therefore a soil management plan should show how this will be mitigated against.

### **Condition 2**

No works shall take place until a scheme to minimise the risk of offsite flooding caused by surface water run-off and groundwater during construction works and prevent pollution has been submitted to, and approved in writing by, the Planning Authority. The scheme shall subsequently be implemented as approved.

### **Reason**

- The National Planning Policy Framework paragraph 163 and paragraph 170 state that planning authorities should ensure development does not increase flood risk elsewhere and does not contribute to water pollution.
- Construction may lead to excess water being discharged from the site. If dewatering takes place to allow for construction to take place below groundwater level, this will cause additional water to be discharged. Furthermore the removal of topsoils during construction may limit the ability of the site to intercept rainfall and may lead to increased runoff rates. To mitigate increased flood risk to the surrounding area during construction there needs to be satisfactory storage of/disposal of surface water and groundwater which needs to be agreed before commencement of the development.
- Construction may also lead to polluted water being allowed to leave the site. Methods for preventing or mitigating this should be proposed.

### **Condition 3**

Prior to occupation a maintenance plan detailing the maintenance arrangements including who is responsible for different elements of the surface water drainage system and the maintenance activities/frequencies, shall be submitted to and agreed, in writing, by the Planning Authority.

Should any part be maintainable by a maintenance company, details of long term funding arrangements should be provided.

#### **Reason**

- To ensure appropriate maintenance arrangements are put in place to enable the surface water drainage system to function as intended to ensure mitigation against flood risk.
- Failure to provide the above required information prior to occupation may result in the installation of a system that is not properly maintained and may increase flood risk or pollution hazard from the site.

### **Condition 4**

The applicant or any successor in title must maintain yearly logs of maintenance which should be carried out in accordance with any approved Maintenance Plan. These must be available for inspection upon a request by the Planning Authority.

#### **Reason**

- To ensure the SuDS are maintained for the lifetime of the development as outlined in any approved Maintenance Plan so that they continue to function as intended to ensure mitigation against flood risk.

Failure to provide the above required information before commencement of works may result in a system being installed that is not sufficient to deal with surface water occurring during rainfall events and may lead to increased flood risk and pollution hazard from the site.

We also have the following advisory comments:

- We strongly recommend looking at the Essex Green Infrastructure Strategy to ensure that the proposals are implementing multifunctional green/blue features effectively. The link can be found below. <https://www.essex.gov.uk/protecting-environment>
- Please note that the Environment Agency updated the peak rainfall climate change allowances on the 10 May 2022. Planning applications with outline approval are not required to adjust an already approved climate change allowance, however, wherever possible, in cases that do not have a finalised drainage strategy please endeavour to use the updated climate change figures [Flood risk assessments: climate change allowances - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/publications/flood-risk-assessments-climate-change-allowances)

The proposed development will only meet the requirements of the National Planning Policy Framework if the measures as detailed in the FRA and the documents submitted with this application are implemented as agreed.

Any questions raised within this response should be directed to the applicant and the response should be provided to the LLFA for further consideration. If you are minded to approve the application contrary to this advice, we request that you contact us to allow further discussion and/or representations from us.

### **Summary of your Flood Risk Responsibilities**

We have not considered the following issues as part of this planning application as they are not within our direct remit; nevertheless these are all very important considerations for managing flood risk for this development, and determining the safety and acceptability of the proposal. Prior to deciding this application you should give due consideration to the issue(s) below. It may be that you need to consult relevant experts outside your planning team.

- Sequential Test in relation to fluvial flood risk;
- Safety of people (including the provision and adequacy of an emergency plan, temporary refuge and rescue or evacuation arrangements);
- Safety of buildings;
- Flood recovery measures (including flood proofing and other building level resistance and resilience measures);
- Sustainability of the development.

In all circumstances where warning and emergency response is fundamental to managing flood risk, we advise that the emergency planning and rescue implications of new development are formally considered in making your decision.

Please see Appendix 1 at the end of this letter with more information on the flood risk responsibilities for your organisation.

### **INFORMATIVES:**

- Essex County Council has a duty to maintain a register and record of assets which have a significant impact on the risk of flooding. In order to capture proposed SuDS which may form part of the future register, a copy of the SuDS assets in a GIS layer should be sent to [suds@essex.gov.uk](mailto:suds@essex.gov.uk).
- Any drainage features proposed for adoption by Essex County Council should be consulted on with the relevant Highways Development Management Office.
- Changes to existing water courses may require separate consent under the Land Drainage Act before works take place. More information about consenting can be found in the attached standing advice note.
- It is the applicant's responsibility to check that they are complying with common law if the drainage scheme proposes to discharge into an off-site ditch/pipe. The applicant should seek consent where appropriate from other downstream riparian landowners.
- The Ministerial Statement made on 18th December 2014 (ref. HCWS161) states that the final decision regarding the viability and reasonableness of maintenance requirements lies with the Planning Authority. It is not within the scope of the LLFA

to comment on the overall viability of a scheme as the decision is based on a range of issues which are outside of this authority's area of expertise.

- We will advise on the acceptability of surface water and the information submitted on all planning applications submitted after the 15<sup>th</sup> of April 2015 based on the key documents listed within this letter. This includes applications which have been previously submitted as part of an earlier stage of the planning process and granted planning permission based on historic requirements. The Planning Authority should use the information submitted within this response in conjunction with any other relevant information submitted as part of this application or as part of preceding applications to make a balanced decision based on the available information.

Yours sincerely,

**Richard Atkins**  
**Development and Flood Risk Officer**  
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Service: Waste & Environment  
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## **Appendix 1 - Flood Risk responsibilities for your Authority**

The following paragraphs provide guidance to assist you in determining matters which are your responsibility to consider.

- Safety of People (including the provision and adequacy of an emergency plan, temporary refuge and rescue or evacuation arrangements)

You need to be satisfied that the proposed procedures will ensure the safety of future occupants of the development. In all circumstances where warning and emergency response is fundamental to managing flood risk, we advise that Planning Authorities formally consider the emergency planning and rescue implications of new development in making their decisions.

We do not normally comment on or approve the adequacy of flood emergency response procedures accompanying development proposals as we do not carry out these roles during a flood.

- Flood recovery measures (including flood proofing and other building level resistance and resilience measures)

We recommend that consideration is given to the use of flood proofing measures to reduce the impact of flooding when it occurs. Both flood resilience and resistance measures can be used for flood proofing.

Flood resilient buildings are designed to reduce the consequences of flooding and speed up recovery from the effects of flooding; flood resistant construction can help

prevent or minimise the amount of water entering a building. The National Planning Policy Framework confirms that resilient construction is favoured as it can be achieved more consistently and is less likely to encourage occupants to remain in buildings that could be at risk of rapid inundation.

Flood proofing measures include barriers on ground floor doors, windows and access points and bringing in electrical services into the building at a high level so that plugs are located above possible flood levels. Consultation with the appropriate building control department is recommended when determining if flood proofing measures are effective.

Further information can be found in the Department for Communities and Local Government publications '[Preparing for Floods](#)' and '[Improving the flood performance of new buildings](#)'.

- Sustainability of the development

The purpose of the planning system is to contribute to the achievement of sustainable development. The NPPF recognises the key role that the planning system plays in helping to mitigate and adapt to the impacts of climate change, taking full account of flood risk and coastal change; this includes minimising vulnerability and providing resilience to these impacts. In making your decision on this planning application we advise you consider the sustainability of the development over its lifetime.