

Essex County Council  
**Development and Flood Risk  
Environment and Climate Action,**  
C426 County Hall  
Chelmsford  
Essex CM1 1QH



Ms Kim Fisher  
Castlepoint District Council  
Planning Services

Date: 24<sup>th</sup> June 2021  
Our Ref: SUDS-005320  
Your Ref: 21/0532/OUT

Dear Sir/Madam,

### **Consultation Response – 21/0532/OUT - Land East of Manor Trading Estate**

Thank you for your email received on 1.06.2021 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 wish to issue a **holding objection** to the granting of planning permission based on the following:

- The drainage plan in the proposed housing layout should be designed on the basis of SUDS management train principles as outlined in CIRIA SUDS manual 365 or Essex County Council's (ECC's) adopted Sustainable Drainage Systems Design Guide. This should comprise of management at three levels i.e. source control, site control and regional control. However, in the proposed drainage system as outlined in the planning application all surface water runoff is directly drained using pipes to subsurface regional attenuation devices before being discharged into receiving waters.
- For new developments, surface water should be managed by SUDS systems which should also provide amenity and biodiversity besides infiltration, conveyance and storage. If infiltration is not possible, then surface level management train should be provided using features such as swales, bioretention

areas, basins and ponds to align the provision of surface water management with the sustainability principles. The proposed layout should include such SUDS features which provide multiple benefits for the management of site surface water.

- Once appropriate surface water management strategy based on the principles of quantity, quality, amenity and biodiversity is finalised, then an engineering layout and details of the proposed system should also be provided.
- If industrial uses are proposed in the commercial zone of the proposed development, then appropriate risk management assessment strategy should be discussed to protect the surface water from toxic elements.

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>

However, in the event that more information was supplied by the applicants then the County Council may be in a position to withdraw its objection to the proposal once it has considered the additional clarification/details that are required.

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 Flood Risk Responsibilities for your Council**

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 the building;
- 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 local planning authorities to formally consider the

emergency planning and rescue implications of new development in making their decisions.

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

**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 LPA. 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 Local 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.

Whilst we have no further specific comments to make at this stage, attached is a standing advice note explaining the implications of the Flood and Water Management Act (2010) which could be enclosed as an informative along with your response issued at this time.

Yours sincerely,

**Rohit Singh**  
**Development and Flood Risk Officer**  
Team: Development and Flood Risk  
Service: Waste & Environment  
Essex County Council

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## **Appendix 1 - Flood Risk responsibilities for your Council**

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 LPAs 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 your 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.