

1.0 INTRODUCTION

Rolton Group Ltd (RGL) have prepared this Technical Note in response to the Consultee Response issued by Essex County Council (ECC) as the Lead Local Flood Authority on the 8 of February 2024 as it related to application S62A/2023/00031 (ECC ref SUDS-007243).

The following technical note addresses each of the following comments raised in the Consultee Response, resulting in the current holding objection placed on the scheme.

2.0 LLFA COMMENTS

The following has been taken from the Consultee Response letter received from ECC.

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 site should be limited to the greenfield 1 in 1 year rate for all events up to the 1 in 100-year event plus climate change. Currently a rate of 2.5l/s is proposed and is too high. There are vortex flow control devices that can discharge at 1l/s and this can be achieved by putting appropriate measure in place to mitigate the risk of blockages occurring. Updated storage calculations should be submitted to reflect the changes that will be necessary based on the lower discharge rates.*
- Within the design calculation provided there is a cellular storage tank however this does not feature on the layout drawings. Clarification is required.*

The response to the two bullet point questions noted above are as follows:

2.1 DISCHARGE FLOW RATE

The discharge flow rate has been reduced in line with the requested rate to 1l/s. The Flood Risk Assessment and Drainage Strategy report has been updated to suit this reduction, including an increase in the attenuation required.

These changes have been reflected within the text of the assessment report and on the proposed drainage layout drawing appended to the report.

2.2 CELLULAR STORAGE

The cellular storage tanks are provided within the rear gardens of plots located in the area where infiltration was deemed feasible. These were previously indicated on the layout; however, these have been made clearer on the updated version of the drainage layout drawing for clarity.

We trust the above together with the revised FRA and DS report are sufficient to remove the holding objection and approve the proposed scheme.

Prepared By:	Bryan Hoadley	Date:	27.02.24	Verified By:	Andrew Chisem	Date:	27.02.24
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APPENDIX A – ECC CONSULTATION RESPONSE DATED 8 FEBRUARY 2024

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



Leanne Palmer
The Planning Inspectorate

Date: 08th February 2024
Our Ref: SUDS-007243
Your Ref: S62A/2023/0031

Dear Leanna Palmer,

Consultation Response –S62A/2023/0031 – Land North of Thaxted Road, Saffron Walden

Thank you for your email received on 02/01/2024 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 15th of 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 site should be limited to the greenfield 1 in 1 year rate for all events up to the 1 in 100-year event plus climate change. Currently a rate of 2.5l/s is proposed and is too high. There are vortex flow control devices that can discharge at 1l/s and this can be achieved by putting appropriate measure in place to mitigate the risk of blockages occurring. Updated storage calculations should be submitted to reflect the changes that will be necessary based on the lower discharge rates
- Within the design calculation provided there is a cellular storage tank however this does not feature on the layout drawings. Clarification is required.

We also have the following advisory comments:

- The site is situated within a ground water protection zone 3 and above both principal and secondary aquifer. As such I would like to raise the following advisory comments;
 - The desktop ground investigation report suggests that there is a risk of contamination at the site due to previous use. Intrusive ground investigation needs to be undertaken, which are to include the areas proposed for infiltration, in order to ascertain whether there is contamination at the site and if so the depth of ground that contains contamination. This is to be undertaken prior to detailed design as this may result in design requirements for the SuDS features proposed.
- A proprietary treatment device has been proposed in order to treat the highway flows prior to discharging to the pond. The preference would be for above ground SuDS features to be constructed should there be space available to do so. There is a large area allocated for green infrastructure at the site and therefore the use of a proprietary treatment device will need to be reviewed.
- 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 application 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)

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.

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.
- 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 15th 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.

Yours sincerely,

Georgie Tuttle, Development and Flood Risk Officer
Team: Green Infrastructure and Sustainable Drainage
Service: Climate Action and Mitigation
Essex County Council

Internet: www.essex.gov.uk
[REDACTED]

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.