Dear Claire,

Following receipt of the revised drainage plan, please see our formal response for 24/00014/FUL attached.

If the revised drainage plan can be uploaded to the planning portal that would be great, please.

Kind regards,

Gemma

Gemma Parson (she/her)
Development and Flood Risk Officer

Environment Climate Action | Climate & Adaptation | GI & SuDS

Adr: E1 County Hall, Chelmsford, Essex, CM1 1QH



https://flood.essex.gov.uk https://www.essexdesignguide.co.uk/suds www.essex.gov.uk

Upcoming leave: 13th, 16th, 17th and 20th September



From: Claire Burroughs <claire.burroughs@createce.co.uk>

Sent: Monday, September 9, 2024 2:32 PM

To: Suds <suds.mail@essex.gov.uk>

Cc: 'Claire Buckley' <Claire.Buckley@Rochford.gov.uk>; 'Katie Hutchings'

<katie.hutchings@sphere25.co.uk>; James Everitt <James.Everitt@createce.co.uk>

Subject: RE: The Foundry Building B - LLFA holding objection to 24/00014/FUL (SUDS-007374)

CAUTION: This is an external email.

Hi Claire and Gemma.

Thanks for the explanation and please find the updated drawing attached.

Claire

Claire Burroughs MSc DIC, MEng (Hons), MCIWEM Associate Director

Water & Flood Risk



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From: Suds <suds.mail@essex.gov.uk>

Sent: 06 September 2024 10:28

To: Claire Burroughs <claire.burroughs@createce.co.uk>

Cc: 'Claire Buckley' <Claire.Buckley@Rochford.gov.uk>; 'Katie Hutchings'

<katie.hutchings@sphere25.co.uk>; James Everitt <James.Everitt@createce.co.uk>

Subject: RE: The Foundry Building B - LLFA holding objection to 24/00014/FUL (SUDS-007374)

Dear Claire.

Thank you for your email.

The requirements in terms of treatment for the roof runoff are based upon discussions with my manager, as he has read some research in the past which suggests particulate matter at three storeys and above is minute at this level.

I am happy for the reference to "75-150 mm above ground levels where possible" within the draft SuDS condition 1 to be removed due to the change of use. Once the drainage plan has been revised to include the note around roof runoff entering the permeable paving and gravel subbase system, then I shall issue a formal response to the LPA (with the reference to specific FFL's removed).

Kind regards,

Gemma

Gemma Parson (she/her)

Development and Flood Risk Officer

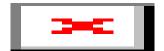
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Adr: E1 County Hall, Chelmsford, Essex, CM1 1QH



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Upcoming leave: 9th, 10th, 13th, 16th, 17th and 20th September.



From: Claire Burroughs < claire.burroughs@createce.co.uk >

Sent: Wednesday, September 4, 2024 10:43 AM

To: Suds < suds.mail@essex.gov.uk >

Cc: 'Katie Hutchings' <katie.hutchings@sphere25.co.uk>; 'Claire Buckley'

<Claire.Buckley@Rochford.gov.uk>; James Everitt <James.Everitt@createce.co.uk>

Subject: RE: The Foundry Building B - LLFA holding objection to 24/00014/FUL (SUDS-007374)

You don't often get email from claire.burroughs@createce.co.uk. Learn why this is important

CAUTION: This is an external email.

Hi Gemma.

Thanks for the swift email response.

Yes, fully agree that the cited table on water quality from The SuDS Manual has been in the Essex documents since it was issued and we follow this guidance via The SuDS Manual in our work, as a standard practise. It was more the matter of your discussion with the Claire Buckley; the case officer on the height of the roofs and the required treatment due to pollutants. Your emails were stating that roofs of two storeys or less need to be treated, while roofs at three storeys or above need no treatment. This is what we were perplexed by. We were wondering what this assumption was based on and if there was any published information to support why Essex LLFA were differentiating water treatment requirements on different roof heights. The reason for quizzing this is because The SuDS manual makes no case for different treatment requirements based on the height of the roofs. We want to be well-informed of any new requirements coming forward or new thoughts in the industry.

In relation to the FFL and the condition, we always review FFL for a development with a SuDS strategy for holistic assessment. This is to ensure there is appropriate flood resilient within a development in case of exceedance issues. For change of use applications, we find this to be very important and levels are fixed and helps determine if flood resilience measures need to retrofitted in. The report highlights the fact that FFL are currently elevated above the surround ground. The condition does have the caveat of "if possible" which should be satisfactory, but the development can't raise FFL any further than they currently are. So, the statement on FFL is not reflective of the proposed development and when it comes to discharging condition, we would need to demonstrate that the FFL can't change because it us a change of use development – kind of full circle moment and make the bullet point on FFL senseless.

In terms of the planning application, we will revise the drainage drawing with a note stating that all roof runoff is entering the permeable paving and gravel subbase system. The network was designed with all roof water entering the SuDS network, so we should be able to turn this around quickly and will issue it to the relevant people, so it comes via for formal route.

Give me a call if you want chat further on any of the points.

Claire

Claire Burroughs MSc DIC, MEng (Hons), MCIWEM Associate Director
Water & Flood Risk



m. 07593 582917 w. www.createce.co.uk #she/her #dyslexicthinking

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From: Suds <suds.mail@essex.gov.uk>

Sent: Wednesday, September 4, 2024 10:01 AM

To: Claire Burroughs <claire.burroughs@createce.co.uk>

Cc: 'Katie Hutchings' <katie.hutchings@sphere25.co.uk>; 'Claire Buckley'

<Claire.Buckley@Rochford.gov.uk>; James Everitt <James.Everitt@createce.co.uk>

Subject: RE: The Foundry Building B - LLFA holding objection to 24/00014/FUL (SUDS-007374)

Dear Claire,

Thank you for your email.

Please see the following webpage on the Essex Design Guide in relation to water quality. The table entitled 'Pollution hazard indices for different land use classifications' identifies the treatment required for the runoff of 'residential roofs', as well as 'other roofs'. As far as I am aware, this table has been used since 2020. https://www.essexdesignguide.co.uk/suds/water-quality/

If you could update the drainage plan to show that the roof drainage for the two storey projections will enter the permeable paving and gravel subbase system, that would be great please.

In terms of the FFL's, these were quoted from Section 5.10 of the Drainage Strategy (GGB/VL/P24-3302/01 Revision A), however I am amendable to removing the specific FFL's mentioned within the proposed condition.

Kind regards,

Gemma

Gemma Parson (she/her)

Development and Flood Risk Officer

Environment Climate Action | Climate & Adaptation | GI & SuDS

Adr: E1 County Hall, Chelmsford, Essex, CM1 1QH

Email: gemma.parson@essex.gov.uk



https://flood.essex.gov.uk https://www.essexdesignguide.co.uk/suds www.essex.gov.uk

Upcoming leave: 9th, 10th, 13th, 16th, 17th and 20th September.



From: Claire Burroughs <claire.burroughs@createce.co.uk>

Sent: Tuesday, September 3, 2024 5:40 PM

To: Suds < suds.mail@essex.gov.uk >

Cc: 'Katie Hutchings' < katie.hutchings@sphere25.co.uk; 'Claire Buckley'

<<u>Claire.Buckley@Rochford.gov.uk</u>>; James Everitt <<u>James.Everitt@createce.co.uk</u>>

Subject: RE: The Foundry Building B - LLFA holding objection to 24/00014/FUL (SUDS-007374)

You don't often get email from claire.burroughs@createce.co.uk. Learn why this is important

CAUTION: This is an external email.

Hi Gemma.

I have been forwarded the email chain in relation to the proposed SuDS strategy for Building B at the Foundary and the proposed condition too.

From reviewing the emails (below), we understand that the LLFA wish to see the water which discharges from the roof, which is below two storeys to undergo water quality improvements. We would like to understand where this requirement stems from, as this has not been raised or requested by Essex LLFA or other LLFA to date. Likewise, the Environment Agency do not require water quality improvements from roof water which goes into a soakaway in a source protection zone, as they deem the water to not to have been contaminated. This is the first time we have heard of such a request. Our submitted design complies with the Simple Index Approach outlined in the CIRIA SuDS manual and does include roofs. Could you please point us in the direction of the relevant documentation about this new requirement for roofs less than two stories needing additional treatment in your published LLFA requirements and/or national drainage design requirements. This is so that we can ensure it is included in our future work to avoid a similar comment and/or to ensure that we can comply with the wording in the proposed condition on this matter.

We are more than happy to include your request for the roof drainage to enter the permeable paving and gravel subbase system. The submitted report does state that all roof drainage is to be discharged into the permeable paving system in Point 6.26. We are happy to make this point clearer in the report and drawing, if required. Please advise.

In terms of the wording of the proposed conditions from the LLFA, we like this be to be revisited because several points are related to a newly constructed development, while application 24/00014/FUL is primarily a change of use application. This is particularly relevant to Condition 1, were it mentions a requirement for finished floor levels in the building, which cannot be changed.

Many thanks in advance and any questions please do call or email me.

Claire

Claire Burroughs MSc DIC, MEng (Hons), MCIWEM Associate Director

Water & Flood Risk



m. 07593 582917 w. www.createce.co.uk #she/her #dyslexicthinking

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From: Katie Hutchings < katie.hutchings@sphere25.co.uk >

Sent: 03 September 2024 14:32

To: Claire Burroughs <claire.burroughs@createce.co.uk>; James Everitt <James.Everitt@createce.co.uk>

Cc: Peter Jeffery < peter.jeffery@sphere25.co.uk >

Subject: FW: The Foundry Building B - LLFA holding objection to 24/00014/FUL (SUDS-007374)

Hi Claire and Jamie.

Hope all is well with you both?

Please see below email chain between Gemma Parsons and our case officer for the above application re the SUDS Strategy. Please can you look to update your drainage plan in line with Gemma's comments?

Many thanks!

Katie

Katie Hutchings

Senior Planner

07354 900295

katie.hutchings@sphere25.co.uk







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From:

Sent: 03 September 2024 14:21

To: Katie Hutchings <katie.hutchings@sphere25.co.uk>

Subject: FW: The Foundry Building B - LLFA holding objection to 24/00014/FUL (SUDS-007374)

Hi Katie.

While I was in discussion with you, I have had this response from Gemma. Please can you work on getting the drainage plan amended your end and I will speak to Gemma about the wording of the condition.

Kind regards,

Claire Buckley BA (Hons), MA

Team Leader (Development Management – South)
Rochford District Council
T: 01702 318191 – Customer Services
E: claire.buckley@rochford.gov.uk
www.rochford.gov.uk

Please note that my working days are Mondays and Tuesdays.

From: Suds <<u>suds.mail@essex.gov.uk</u>>
Sent: Tuesday, September 3, 2024 2:05 PM

To: Claire Buckley < Claire.Buckley@Rochford.gov.uk>

Subject: RE: The Foundry Building B - LLFA holding objection to 24/00014/FUL (SUDS-007374)

Hi Claire,

Thank you for the clarification and yes that is correct, treatment for the roof will be required for the two storey projections only.

If the applicant/agent can update the drainage plan to demonstrate the runoff from the two storey projections will be treated (e.g. via the permeable paving), then this would be sufficient at this stage for the application to be conditioned.

Kind regards,

Gemma

Gemma Parson (she/her)

Development and Flood Risk Officer

Environment Climate Action | Climate & Adaptation | GI & SuDS

Adr: E1 County Hall, Chelmsford, Essex, CM1 1QH



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Upcoming leave: 9th, 10th, 13th, 16th, 17th and 20th September.



From: Claire Buckley < Claire. Buckley @ Rochford.gov.uk >

Sent: Tuesday, September 3, 2024 1:16 PM

To: Suds <<u>suds.mail@essex.gov.uk</u>>

Subject: RE: The Foundry Building B - LLFA holding objection to 24/00014/FUL (SUDS-007374)

CAUTION: This is an external email.

Hi Gemma,

The building would be 3 storeys with a ground floor, first floor and a second floor (see attached plans). But it does have 2 projections to the east and west that are just 2 storey. So I assume it doesn't require roof treatment for the majority of the roof but that it does for those 2 storey projections, is that right?

Kind regards,

Claire Buckley BA (Hons), MA

Team Leader (Development Management – South) Rochford District Council

T: 01702 318191 – Customer Services E: <u>claire.buckley@rochford.gov.uk</u> www.rochford.gov.uk

Please note that my working days are Mondays and Tuesdays.

From: Suds <suds.mail@essex.gov.uk>

Sent: Tuesday, September 3, 2024 11:57 AM

To: Claire Buckley <Claire.Buckley@Rochford.gov.uk>

Subject: RE: The Foundry Building B - LLFA holding objection to 24/00014/FUL (SUDS-007374)

Dear Claire,

I have reviewed the revised FRA and Drainage Strategy.

The only point the LLFA would raise is in terms of provision of treatment for the runoff from the roof as this is not shown on the drainage plan. I am seeking clarification from yourself please in terms of the storeys of the building, as buildings of three storeys and above do not require roof treatment as particulate matter is minute at this level. Please can you confirm if the building is three storeys across all elevations.

If however, the building is one or two stories in places, then treatment will be required for that roof area and the drainage plan would need to be updated accordingly e.g. rainwater downpipes shown to connect into the sub-base of the permeable paving.

I look forward to hearing from you. If you do require a formal response at this stage, please let me know.

Kind regards,

Gemma

Gemma Parson (she/her)

Development and Flood Risk Officer

Environment Climate Action | Climate & Ado

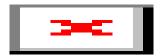
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Upcoming leave: 9th, 10th, 13th, 16th, 17th and 20th September.



From: Claire Buckley < Claire. Buckley@Rochford.gov.uk >

Sent: Tuesday, September 3, 2024 9:13 AM

To: Suds <<u>suds.mail@essex.gov.uk</u>>

Subject: RE: The Foundry Building B - LLFA holding objection to 24/00014/FUL (SUDS-007374)

CAUTION: This is an external email.

Thanks Gemma, I'm grateful.

Kind regards,

Claire Buckley BA (Hons), MA

Team Leader (Development Management – South) Rochford District Council

T: 01702 318191 – Customer Services E: claire.buckley@rochford.gov.uk www.rochford.gov.uk

Please note that my working days are Mondays and Tuesdays.

From: Suds <<u>suds.mail@essex.gov.uk</u>>
Sent: Monday, September 2, 2024 4:57 PM

To: Claire Buckley < Claire.Buckley@Rochford.gov.uk >

Subject: RE: The Foundry Building B - LLFA holding objection to 24/00014/FUL (SUDS-007374)

Hi Claire,

No worries at all. The last response issued for 24/00014/FUL was on the 31/07/24. I can review the updated documents tomorrow for you and let you know whether they overcome the holding objection dated 31/07/24.

Kind regards,

Gemma

Gemma Parson (she/her)

Development and Flood Risk Officer

Environment Climate Action | Climate & Adaptation | GI & SuDS

Adr: E1 County Hall, Chelmsford, Essex, CM1 1QH



https://flood.essex.gov.uk

https://www.essexdesignguide.co.uk/suds www.essex.gov.uk

Upcoming leave: 9th, 10th, 13th, 16th, 17th and 20th September.



From: Claire Buckley <Claire.Buckley@Rochford.gov.uk>

Sent: Monday, September 2, 2024 4:13 PM

To: Suds <suds.mail@essex.gov.uk>

Subject: RE: The Foundry Building B - LLFA holding objection

Importance: High

CAUTION: This is an external email.

Hi Gemma,

Sorry to be a pain but we really need a response to this application ASAP and by Thursday this week at the latest as I need to finalise the report for Friday and I need to know whether SUDs is addressed at the site or not. Please could you get back to me ASAP? I've attached the updated SUDs strategy and FRA.

Kind regards,

Claire Buckley BA (Hons), MA

Team Leader (Development Management – South)
Rochford District Council
T: 01702 318191 – Customer Services
E: claire.buckley@rochford.gov.uk

E. didire.buokiey@reomord.gov.

www.rochford.gov.uk

Please note that my working days are Mondays and Tuesdays.

From: Claire Buckley

Sent: Thursday, July 18, 2024 3:50 PM **To:** Suds <suds.mail@essex.gov.uk>

Subject: FW: The Foundry Building B - LLFA holding objection

Hi Gemma,

Please see the attached which is a strategy which could be implemented independently of the application at Building C and hopefully it addresses the concerns of the LLFA. Let me know.

Kind regards,

Claire Buckley BA (Hons), MA

Team Leader (Development Management – South) Rochford District Council

T: 01702 318191 – Customer Services
E: <u>claire.buckley@rochford.gov.uk</u>
www.rochford.gov.uk

Please note that my working days are Mondays and Tuesdays.

From: Katie Hutchings <katie.hutchings@sphere25.co.uk>

Sent: Thursday, July 18, 2024 3:27 PM

To: Claire Buckley < <u>Claire.Buckley@Rochford.gov.uk</u>> **Cc:** Peter Jeffery < peter.jeffery@sphere25.co.uk>

Subject: RE: The Foundry Building C - LLFA holding objection

Hi Claire,

Please find the SuDS Strategy for Building B attached. To be clear (as is shown in the document) GeoSmart have confirmed separately that this scheme would be possible to implement completely independently to Building C.

To keep you in the loop re Building C – I have forwarded the LLFA's response to Create for their review.

Kind regards

Katie

Katie Hutchings
Senior Planner
07354 900295

katie.hutchings@sphere25.co.uk







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From: Claire Buckley < Claire. Buckley@Rochford.gov.uk>

Sent: Monday, July 1, 2024 5:14 PM

To: Katie Hutchings < katie.hutchings@sphere25.co.uk **Subject:** RE: The Foundry Building C - LLFA holding objection

Has building B SUDs strategy been completed yet?

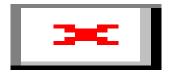
Kind regards,

Claire Buckley BA (Hons), MA

Team Leader (Development Management – South)
Rochford District Council
T: 01702 318191 – Customer Services
E: claire.buckley@rochford.gov.uk

www.rochford.gov.uk

Please note that my working days are Mondays and Tuesdays.



From: Katie Hutchings < katie.hutchings@sphere25.co.uk

Sent: Monday, July 1, 2024 5:10 PM

To: Claire Buckley < Claire. Buckley @ Rochford.gov.uk >

Subject: RE: The Foundry Building C - LLFA holding objection

Thanks Claire

Katie Hutchings Senior Planner 07354 900295

katie.hutchings@sphere25.co.uk







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From: Claire Buckley < Claire. Buckley @ Rochford.gov.uk >

Sent: Monday, July 1, 2024 5:10 PM

To: Katie Hutchings < katie.hutchings@sphere25.co.uk Cc: Peter Jeffery@sphere25.co.uk

Subject: RE: The Foundry Building C - LLFA holding objection

Received, thanks Katie, I'll get this sent onto the ECC LLFA.

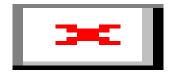
Kind regards,

Claire Buckley BA (Hons), MA

Team Leader (Development Management – South)
Rochford District Council
Tr. 01703 218101 — Customer Services

T: 01702 318191 – Customer Services E: <u>claire.buckley@rochford.gov.uk</u> www.rochford.gov.uk

Please note that my working days are Mondays and Tuesdays.



From: Katie Hutchings <katie.hutchings@sphere25.co.uk>

Sent: Monday, July 1, 2024 11:06 AM

To: Claire Buckley < Claire.Buckley@Rochford.gov.uk > Cc: Peter Jeffery < peter.jeffery@sphere25.co.uk > Subject: The Foundry Building C - LLFA holding objection

Hi Claire,

Hope you had a good weekend.

Further to the LLFA's holding objection re Building C, please find the SuDS Strategy attached, which responds to the concerns raised.

Any queries, please let us know.

Kind regards

Katie

Katie Hutchings Senior Planner 07354 900295 katie.hutchings@sphere25.co.uk



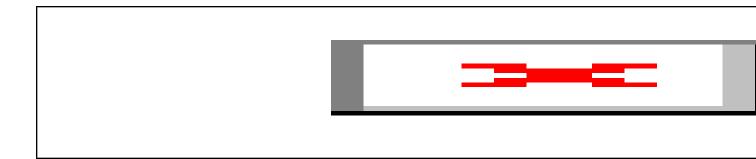




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