

From: [Whittaker, Roberta \(EXT\)](#)
To: [Jane Curley](#)
Cc: [Planning \(SMDC\)](#)
Subject: DOC/2024/0020 - Fole Dairy - LLFA Response
Date: 15 May 2024 12:06:06
Attachments: [image001.png](#)
[image002.png](#)

Good Afternoon Jane,

Thank you for consulting us on this DCON application – DOC/2024/0020 – Fole Dairy.

We have picked up this review following our last comments to you regarding the RM on this site where we discussed a number of drainage details.

Staffordshire County Council Flood Risk Management Position

We require additional information to demonstrate an acceptable drainage strategy is proposed. We would therefore recommend that Condition 20 is not discharged until this has been resolved. Outstanding issues are listed below:

Drainage Strategy

- Have the proposed sewer diversions been approved by STW?
 - Reviewed their latest email sent over from 2022, note that STW responses are only generally valid for 6 months so need an updated response from them.
 - Has the diversion application been submitted as per the request in the email?
- We note that this new plan (Rev J) shows a different overflow interception ditch. We would need to see how this new design relates to the original hydraulic modelling and see revised model runs demonstrating the performance of a revised ditch in all post-dev model scenarios including blockages.

Water Quality

The simple index calculations supplied for roads and roofs state water will be passing through a swale – please can you demonstrate where this is to be located?

Calculations

- Do we have an IA plan to check the area of the PP against the modelling?
- For all sites, why have some private pipes been modelled but others not? – we need to see a full representation of the drainage network in the modelling.
- For all sites, Why have the pipes from the attenuation tanks into the network been modelled?
- How does the microdrainage relate to the levels obtained in the watercourse from the hydraulic modelling?

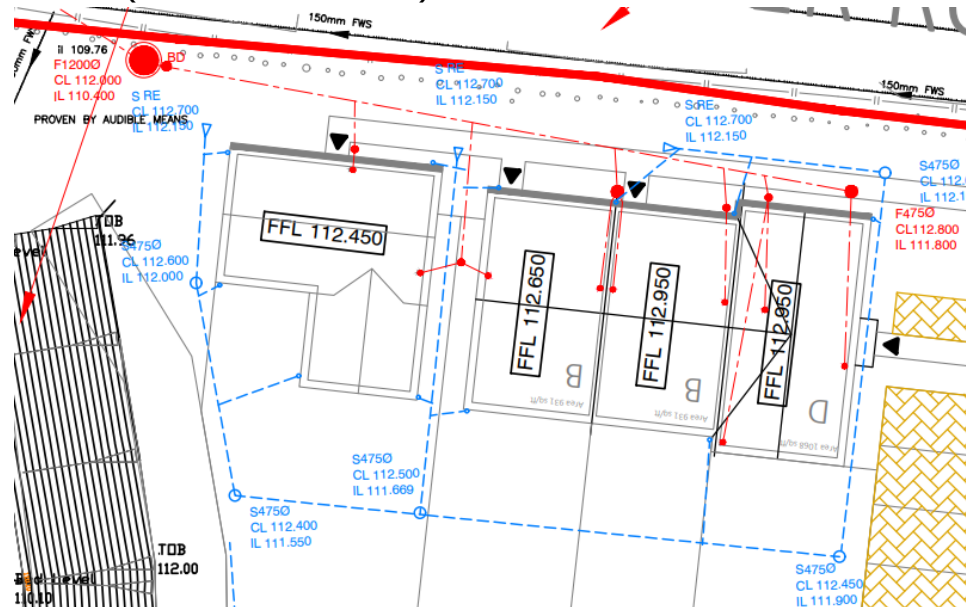
Network A

- Why has this node been selected to add the permeable paving onto and why is this the best representation of what's on site?
- There is a mismatch between the slopes on pipes 2.000 and 3.000 between the plan and the modelling.

- Pipe 3.000 is not achieving self-cleansing velocity.

Network B

- Why has this node been selected to add the permeable paving onto and why is this the best representation of what's on site?
- Can you confirm where do these pipes connect into the network (screenshot below)



Network C

- Is this the best way to model your permeable paving:
 - We note you have included the smaller areas into one in the modelling and then added this onto S32.
 - As the permeable paving is sloping, is this the best way to modelling it as a single block?
 - Would it be better to add onto S33 as you an additional area being inputted into the network at this stage.

Network D

- Network D calcs should have an impermeable area of 0.136ha as per the drainage plan but they only have 0.123ha
- Mismatch between plan and modelling on IL of 1.002
- Mismatch between plan and modelling on lope of 1.004
- Pipes 1.004 and 1.005 are not achieving self-cleansing velocity.

Maintenance

Please provide a plan for the management of construction impacts including any diversions, erosion control, phasing and maintenance period (up until the point of completion and or adoption). Including name and contact details of the parties responsible for each task.

Exceedance

- Need to see an updated exceedance plan for the site given the updates to the layout. Provide post development flow paths for surface water (including exceedance) and a demonstration of how these flow routes will be managed including relevant ground levels.
- Plan demonstrating flooded areas for the 1 in 1000yr event, when the system is at capacity and illustrating flow paths for design for exceedance.

Please re-consult us at flood.team@staffordshire.gov.uk when amended details are received. If you are minded to approve the application

contrary to this advice, we request that you contact us again to allow further discussion.

Kind Regards

Roberta

Please note my working days are Monday to Wednesday.



Flood Risk Management | Economy, Infrastructure and Skills
Staffordshire County Council, Lichfield Highways,
Trent Valley Road, Lichfield, WS13 6EU
Postal Address: 2 Staffordshire Place,
Tipping Street, Stafford, ST16 2DH
E-mail: flood.team@staffordshire.gov.uk
www.staffordshire.gov.uk

Disclaimer

This e-mail (including any attachments) is only for the person or organisation it is addressed to. If you are not the intended recipient you must let me know immediately and then delete this e-mail. If you use this e-mail without permission, or if you allow anyone else to see, copy or distribute the e-mail, or if you do, or don't do something because you have read this e-mail, you may be breaking the law.

Liability cannot be accepted for any loss or damage arising from this e-mail (or any attachments) or from incompatible scripts or any virus transmitted.

E-mails and attachments sent to or received from staff and elected Members may be monitored and read and the right is reserved to reject or return or delete any which are considered to be inappropriate or unsuitable.

Do you really need to print this email? It will use paper, add to your waste disposal costs and harm the environment.