

From: [Whittaker, Roberta \(EXT\)](#)
To: [Jane Curley](#)
Cc: [Planning \(SMDC\)](#)
Subject: RE: DOC/2024/0020 - Fole Dairy - LLFA Response
Date: 15 May 2024 12:07:48
Attachments: [image002.png](#)
[image003.png](#)

Apologies, not Condition 20, doing too many things at once. I mean 13,15 and 16.

Kind Regards

Roberta

Roberta Whittaker

Senior Flood Risk Consultant BSc (Hons) PGCert MCIWEM C.WEM
Working Days Monday to Wednesday.

From: Whittaker, Roberta (EXT)

Sent: Wednesday, May 15, 2024 12:06 PM

To: Jane Curley

Cc: Planning (SMDC)

Subject: DOC/2024/0020 - Fole Dairy - LLFA Response

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

- 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?

- 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.

- 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 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.

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.



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