

Planning Department
Arun District Council
Civic Centre
Maltravers Road
Littlehampton
West Sussex
BN17 5LF



8 Pride Point Drive
Pride Park
Derby
DE24 8BX

Our Ref: MPW/MPW/JDI01497
Date: 12th November 2020

Dear Sir/Madam

PROPOSED QUERCUS NURSERY, FERRING

We have been requested by Dave Baldwin of Quercus Nursery to undertake a review and design of the drainage in response to comments from the Lead Local Flood Authority in relation to the application Ref: FG/52/18/PL.

The site consists of an access road and car park area constructed from compacted hardcore, a large Polytunnel with concrete paths surrounding it and large permeable areas for storing plants.

Previous correspondence and proposals have incorporated the access road and car park being currently surfaced in compacted hardcore as impermeable area to be attenuated and infiltrated.

Winter infiltration testing and ground water monitoring has been undertaken which is enclosed with this letter. The results of these investigations have resulted in a revised proposal for the drainage solution to the access road and car park.

The revised scheme now proposes to remove the existing car park and access road construction, which is only partially permeable but was assumed in previous proposals to be fully impermeable, and replace it with a fully permeable construction surfaced in shingle.

This solution removes any positive catchment and replaces the natural route for water to enter the ground where it falls. The enclosed catchment pan has been updated to indicate the access road and car park as permeable.

We understand from previous correspondence that the proposed drainage strategy for the Poly tunnels was acceptable and this has been added to the drainage layout drawing as requested. The calculations previously provided confirming the suitability of the 300mm thick stone blanket are enclosed again.

Jackson Purdue Lever online at www.jacksonpl.co.uk

Jackson Consulting Engineers Ltd registered in England No. 4041756 Registered Office: The Mills, Canal Street, Derby DE1 2BZ

We trust the above and enclosed is clear and sufficient for you to discharge any conditions. However, if you require any further clarifications please do not hesitate to contact me.

Yours faithfully,



Mark Wren
Senior Engineer

Enc
Proposed Drainage Layout Drawing
Completed Surface Water Drainage Proposal Checklist
Polytunnel Storage Calculation
Winter Groundwater monitoring and Infiltration Results
Proposed Catchment Plan