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AMBIENTAL ENVIRONMENTAL ASSESSMENT LTD.
Sussex Innovation Centre
Science Park Square
Brighton
East Sussex
BN1 9SB

44 (0) 1273 006 900 **T**
info@ambiental.co.uk **E**
ambiental.co.uk **W**

Laura Gibbons
Arun District Council,
Civic Centre,
Maltravers Rd,
Littlehampton,
West Sussex,
BN17 5LF
By Email Only: laura.gibbons@arun.gov.uk

Date:	20 October 2021	Contact name:	Steven Brown
Your reference:	Y/88/21/DOC	Telephone:	+ 44 (0) 203 857 8540
Our reference:	5877-AEA-ZZ-XX-CO-Z-0001	Email:	Steven.Brown@RHDHV.com
Classification:	Project related		
Enclosures:	Attenuation Calculations Updated drawing		

Dear Laura,

The Green House Sussex Ltd, Lake Lane, Barnham, West Sussex, PO22 0AD.

Thank you for making the time for a telephone meeting on Tuesday 19 October 2021, and subsequent confirmation email, please find below the clarifications as discussed.

Attached to this letter addendum are the updated calculations and drawings, which amend the plans and calculations submitted within the report. The amendments have been made in response to your requested clarifications and have been undertaken in accordance with the agreed way forward, as per the follow up emails.

For clarity, please find below a table with the points you raised in your email dated 05 October 2021:

Table 1: Arun LLFA Comments, and agreed resolution

Arun LLFA Comment (05 October 2021, by Email)	Agreed Way Resolution
It appears that it is proposed to convey surface water through a granular sub-base. This is acceptable in principle, however a fall must be provided on the granular sub-base to promote conveyance. This fall should be reflected in calculations.	As it is proposed to include a perforated carrier pipe in/below the subbase it is not necessary to include a fall on the subbase. We will make it clearer on the layout drawing that it is proposed to have a perforated pipe, and this will include the pipe size and gradient.
A surcharged outfall should be modelled in calculations. With surcharged water levels equivalent to top of bank of watercourse.	To overcome the history of flooding that will result in a surcharge of an outfall, we will test the storage with a zero l/s outfall to simulate a flood locked outfall.
A 25mm orifice is proposed to control discharge rate from the site, this is quite small and could be prone to blockage. We query whether a hydro brake would achieve a similar flow restriction with a larger aperture?	The 25mm orifice is OK as it is downstream of permeable paving that will have a 20mm void which will mitigate the risk of blockage of the outfall

All surface water pipes must be labelled with diameter and fall.	A clear note will be included that all pipes will be 150mm Dia. and laid at a gradient of 1:100.
The true bed level at the point of connection to the watercourse must be provided, along with soft bed level.	It is proposed to construct the outfall above the obvert of the outgoing pipe from the ditch this should be above the 150mm clearance above the bed that Arun usually require
A concrete bed and surround will be provided where the pipes go through the trees.	This will be indicated on the drawing.
Site specific construction details of the flow control device and outfall must be provided.	The construction details for the flow control device and outfall will be updated to include the site specific cover and invert levels.

As discussed we have provided a copy of this letter via email to Maria Tomalova.

Steven Brown

Associate
Water & Maritime

CC:

Maria Tomalova, Maria.Tomalova@arun.gov.uk (By Email Only)
Laura Bourke laura.bourke@dowsettmayhew.com (By Email Only)