

[REDACTED]

From: Amanda Scholes on behalf of Planning.Responses
Sent: 23 November 2018 12:15
To: Planning Scanning
Subject: FW: ASDA Ferring PFS - Micro drainage Calculations

From: Anita Gardner
Sent: 23 November 2018 09:39
To: Planning.Responses
Subject: RE: ASDA Ferring PFS - Micro drainage Calculations

[REDACTED]

Anita Gardner | Principal Planner, Directorate of Place, Arun District Council | Location: First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

[REDACTED]

Visit Arun's web site at www.arun.gov.uk



Save the environment - think before you print.

From: Amanda Scholes **On Behalf Of** Planning.Responses
Sent: 23 November 2018 08:39
To: Anita Gardner
Subject: FW: ASDA Ferring PFS - Micro drainage Calculations

[REDACTED]

From: Anita Gardner
Sent: 22 November 2018 11:10
To: Planning.Responses
Subject: FW: ASDA Ferring PFS - Micro drainage Calculations

Please add to application FG/182/18/DOC

Anita Gardner | Principal Planner, Directorate of Place, Arun District Council | Location: First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

[REDACTED]

Visit Arun's web site at www.arun.gov.uk



Save the environment - think before you print.

From: Andrew Clifton [REDACTED]
Sent: 22 November 2018 10:52
To: Anita Gardner
Cc: Laura Gibbons; 'Tony Murray'
Subject: FW: ASDA Ferring PFS - Micro drainage Calculations

Anita

Please find attached a copy of the revised plans that now concludes the drainage condition requirements, trust you can converse with Laura direct to confirm this and approve accordingly.

Regards,

Andy Clifton Director

Please visit our new website www.cad-ltd.co.uk



A: 2b & 3b Hathersage Business Park, Heather Lane, Hathersage S32 1DP

C & A Design are members of the APEA (Association for Petroleum & Explosives Administration)

We are proud to be a living wage employer

Consider your environment ~ think before you print this email ~

This email and any files transmitted with it are confidential and are intended solely for the individual or entity to whom they are addressed. If you have received this email in error, please delete it immediately.

From: Paul Gill <[REDACTED]>
Sent: 22 November 2018 10:49
To: Tony Murray [REDACTED]
Cc: 'Andy Clifton' [REDACTED]
Subject: ASDA Ferring PFS - Micro drainage Calculations

See confirmation below from Laura.

This drawing and the calculations needs to be formally sent to the planners for the condition to be lifted.

Best regards,

Paul Gill – B.Eng (Hons) GMICE
Associate Director
For and on behalf of Adept Consulting Engineers Ltd

 **ADEPT** CIVIL AND STRUCTURAL
CONSULTING ENGINEERS

Leeds	: 1912 Mill, Sunny Bank Mills, Town Street, Farsley, LS28 5UJ
London	: 85 Tottenham Court Road, London, W1T 4TQ
Manchester	: Sevendale House, Dale Street, Manchester, M1 1JB
Email	: inbox@adeptsce.com
Web	: www.adeptsce.com

This e-mail and any attachments to it are intended only for the party whom they are addressed. They may contain privileged and/or confidential information. If you have received this transmission in error, please notify the sender immediately and delete any digital copies and destroy any paper copies.

Although we have taken steps to ensure that this e-mail and any attachments are free from any virus, we advise that in keeping with good computing practice the recipient should ensure that they are actually virus free. No responsibility is accepted by Adept Consulting Engineers Ltd for loss or damage arising in any way from receipt or use thereof.

Adept Consulting Engineers Ltd - Registered in England No. 6029802. Registered Office: 1912 Mill, Sunny Bank Mills, Farsley, LS285UJ

From: Laura Gibbons <[REDACTED]>
Sent: 22 November 2018 10:40
To: Paul Gill <[REDACTED]>
Cc: Bob Marshall <[REDACTED]>
Subject: RE: ASDA Ferring PFS - Micro drainage Calculations

Hi Paul,

Thank you for sending through the details. I am happy with these and will be happy to recommend the discharge of the condition when they are formally submitted to planning.

Kind Regards,

Laura Gibbons, MEng, GMICE
Engineer (Drainage & Coastal)

Laura Gibbons | Engineer (Drainage & Coastal), Engineering Services, Arun District Council | Location: First Floor, Arun Civic Centre,
Maltravers Road, Littlehampton, BN17 5LF

[REDACTED]
Arun is Working in Partnership with Chichester District Council

Visit Arun's web site at <http://www.arun.gov.uk/> and www.chichester.gov.uk



Save the environment - think before you print.

From: Paul Gill <[REDACTED]>
Sent: 22 November 2018 10:05
To: Laura Gibbons
Cc: Bob Marshall
Subject: ASDA Ferring PFS - Micro drainage Calculations

Laura

Further to our telephone conversation yesterday confirming the option which reuses the existing flow control device is to be progressed with, please find attached our updated drawing and the calcs attached again – for completeness.

We trust all is in order and look forward to receiving confirmation that the drainage solution is acceptable to lift the planning condition.

Best regards,

Paul Gill – B.Eng (Hons) GMICE
Associate Director
For and on behalf of Adept Consulting Engineers Ltd



ADEPT

CIVIL AND STRUCTURAL
CONSULTING ENGINEERS

Leeds : 1912 Mill, Sunny Bank Mills, Town Street, Farsley, LS28 5UJ
London : 85 Tottenham Court Road, London, W1T 4TQ
Manchester : Sevensdale House, Dale Street, Manchester, M1 1JB

Email
Web



This e-mail and any attachments to it are intended only for the party whom they are addressed. They may contain privileged and/or confidential information. If you have received this transmission in error, please notify the sender immediately and delete any digital

copies and destroy any paper copies.

Although we have taken steps to ensure that this e-mail and any attachments are free from any virus, we advise that in keeping with good computing practice the recipient should ensure that they are actually virus free. No responsibility is accepted by Adept Consulting Engineers Ltd for loss or damage arising in any way from receipt or use thereof.

Adept Consulting Engineers Ltd - Registered in England No. 6029802. Registered Office: 1912 Mill, Sunny Bank Mills, Farsley, LS285UJ

From: Paul Gill
Sent: 21 November 2018 14:02
To: 'Laura Gibbons' [REDACTED]
Cc: Bob Marshall <[REDACTED]>
Subject: ASDA Ferring PFS - Micro drainage Calculations [Filed 21 Nov 2018 14:02]
Importance: High

Laura

Further to our site meeting yesterday where it was established that the stone in the trial holes was suitable to be classed as an open graded material for the purposes of storm water attenuation, we have updated the calculations as below:-

1. We have reduced the available depth of sub base material from 550mm depth to 470mm depth to suit the average depth recorded from the two trial pits. This depth has been shown for both of the calculations below.
2. We have included a calculation which shows the existing (presumed Crown product) flow control device rated at 2 lps with a design head of 0.86m (*the maximum head the network actually achieves now due to the addition of the new PFS attenuation is 0.758m*). This is the information which we have on record as being the flow control device delivered to site for installation. This calculation "**SW Crown 470.mdx**" shows no flooding of the access road or the site.
3. We have included a calculation which shows the existing flow control device replaced with a new Hydrobrake flow control device. This is rated at 2 lps with a design head of 1.1m (*the maximum head the network actually achieves due to the addition of the new PFS attenuation is 0.756m*). This calculation "**SW Hydro 470.mdx**" shows no flooding of the access road or the site. The actual flow downstream of this flow control would be 1.8 lps due to the design head never being reached on the Hydrobrake. However it still works as the newer Hydrobrake is more efficient than the existing Crown version.

As a result we trust the attached (and above) meets with your approval. To save costs on site we could retain the existing Crown Flow Control device if this is your preferred option for the network – please advise which is your preference and we will incorporate into the final drainage plan to be sent through for your approval before the end of the week.

Best regards,

Paul Gill – B.Eng (Hons) GMICE
Associate Director
For and on behalf of Adept Consulting Engineers Ltd

 **ADEPT** CIVIL AND STRUCTURAL
CONSULTING ENGINEERS
Leeds : 1912 Mill, Sunny Bank Mills, Town Street, Farsley, LS28 5UJ
London : 85 Tottenham Court Road, London, W1T 4TQ
Manchester : Sevendale House, Dale Street, Manchester, M1 1JB

Email [REDACTED]
Web [REDACTED]

This e-mail and any attachments to it are intended only for the party whom they are addressed. They may contain privileged and/or confidential information. If you have received this transmission in error, please notify the sender immediately and delete any digital copies and destroy any paper copies.

Although we have taken steps to ensure that this e-mail and any attachments are free from any virus, we advise that in keeping with good computing practice the recipient should ensure that they are actually virus free. No responsibility is accepted by Adept Consulting Engineers Ltd for loss or damage arising in any way from receipt or use thereof.

Adept Consulting Engineers Ltd - Registered in England No. 6029802. Registered Office: 1912 Mill, Sunny Bank Mills, Farsley, LS285UJ

<http://www.arun.gov.uk>

DX 57406 Littlehampton

You can view Arun District Council's Privacy Policy from <https://www.arun.gov.uk/privacy-policy>

Important Notice This e-mail is intended exclusively for the addressee and may contain information that is confidential and/or privileged. If you are not the intended recipient (or authorised to receive it for the addressee), please notify the sender and delete the e-mail immediately; using, copying, or disclosing it to anyone else, is strictly prohibited and may be unlawful. Any views, opinions or options presented are solely those of the author and do not necessarily represent those of Arun District Council. The information in this e-mail may be subject to public disclosure under the Freedom of Information Act 2000, therefore we cannot guarantee that we will not provide the whole or part of this e-mail to a third party. The Council reserves the right to monitor e-mails in accordance with relevant legislation. Whilst outgoing e-mails are checked for viruses, we cannot guarantee this e-mail is virus-free or has not been intercepted or changed and we do not accept liability for any damage caused. Any reference to "e-mail" in this disclaimer includes any attachments.
