

From: Juan Baeza
Sent: 08 August 2018 08:31
To: Planning.Responses
Cc: Anita Gardner
Subject: FW: Planning Application: FG/105/18/PL - Asda, Littlehampton Road, Ferring Worthing.
Importance: High

Pl scan in

Juan Baeza Area Team Leader -- Planning Department, Arun District Council | Location: First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

From: Laura Gibbons
Sent: 07 August 2018 15:05
To: 'Brad Wiseman'
Cc: Juan Baeza; Anita Gardner
Subject: FW: Planning Application: FG/105/18/PL - Asda, Littlehampton Road, Ferring Worthing.
Importance: High

Brad,

I have had a look over the below again. And as I stated previously to Anita and Juan I still would like to see the condition imposed as there is insufficient information to date.

To aid you going forwards with discharging the condition in the future, I will require the following:

- Confirmation of the rating of the existing hydrobrake. I will require proof that the existing hydrobrake is rated at 2l/s. This could be contained within the maintenance manual, or a copy of the delivery note may be available, or details may be held in the health and safety file.
- I will also require calculations showing that the network which is already served by the hydrobrake is not surcharged to the extent that flooding occurs as a result of the new proposals.
- The original calculations I was supplied with were presuming the hydrobrake was 5l/s. Please provide revised calcs for 2l/s that show that the proposed Alderburgh tank is sufficient to hold the 1 in 100 year event plus 30% climate change.

Regards,

Laura Gibbons, MEng, GMICE

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



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From: Paul Gill [REDACTED]
Sent: 18 July 2018 12:30
To: Laura Gibbons
Cc: Andy Clifton; Brad Wiseman; Chris Hill; Richard Sanderson; Tony Murray; Adam Slade
Subject: Planning Application: FG/105/18/PL - Asda, Littlehampton Road, Ferring Worthing.
Importance: High

Laura

Further to the email chain below, we thought it best to respond direct to yourself with a summary of existing and proposed conditions for the site to expedite the clearance of drainage conditions.

The existing drainage strategy for ASDA Ferring carpark is as shown on drawings C01, C10 and C11. As can be see the existing Hydrobrake which will serve the new PFS area is already in place and we have been led to believe that this is rated at 2 l/s upon further investigation of existing site records.

The PFS site is currently attenuated by a porous subbase of which the thickness is 525mm (please see Type 4 Parking Area on drawing C11 and the key plan shown on drawing C10 for verification). It is intended that the area of land not used by the PFS will still be available for use as part of the drainage attenuation system for the development and any rainfall onto this land will soakaway naturally, with the remainder of the area (now to be the PFS) reverting to a sealed attenuation system in the form of the Alberburgh Pluvial tanks and shown on our drawing 101 and the porous subbase being removed as part of the PFS development.

In order to provide full clarity to the calculations we have included the Highway (1375m^2) and PFS area (1390m^2) going through the Hydrobrake as requested. The calculations indicate that a total of 162m^3 attenuation will be required from this combined area (see calculation below). We have currently provided $11 \times 10 \times 0.55 \times 0.95 = 57.5\text{m}^3$ of attenuation in the new Alderburgh tanks and the remainder will be stored in the existing porous subbase which has always served this part of the site. See calculation below:-

$$\text{Area} = 850\text{m}^2 \times 0.525 \text{ (thickness)} \times 0.3 \text{ (void ratio)} = 133.87\text{m}^3$$

$$\text{Total storage provided on the site is therefore } 133.87\text{m}^3 + 57.5\text{m}^3 = 191.4\text{m}^3.$$

The micro drainage calculations indicate that to avoid flooding an equivalent area of Alderburgh tank needs to be $310\text{m}^2 \times 0.55\text{m deep} = 170.5\text{m}^3 \times 0.95 \text{ (void ratio)} = 162\text{m}^3$. This volume is less than the 191.4m^3 that has been provided.

As a result we believe that the amount of attenuation is acceptable for the site and this arrangement will not result in flooding of the site or further downstream.

We trust this all meets with your approval and allows the condition to be discharged.

Best regards,

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



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From: Adam Slade

Sent: 17 July 2018 13:55

To: Paul Gill

Paul,

Please can you respond ASAP as looking to get the application determined

----- Forwarded message -----

From: Brad Wiseman

Date: Tue, 17 Jul 2018 at 13:51

Subject: FW: Planning Application: FG/105/18/PL - Asda, Littlehampton Road

To: Adam Slade

Hi Adam,

See below from the Drainage Engineer at Arun Council and specifically the hydro brake.

Are the calcs available?

Thanks

Brad Wiseman

Senior Planner

Planning



From: Laura Gibbons [mailto:
Sent: 17 July 2018 13:37

To: Brad Wiseman <
Subject: RE: Planning Application: FG/105/18/PL - Asda, Littlehampton Road

Hi Brad,

I would like to see calculations showing the new proposed system and the as built system. As the hydro brake is already being used it is currently unclear if there is sufficient capacity for both systems to work together.

Will review everything else once I have received this.

Thanks,

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

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From:
Brad
Wiseman
an
[\[mailto:brad.wiseman@arun.gov.uk\]](mailto:brad.wiseman@arun.gov.uk)

Sent: 11 July 2018 16:42

To: Laura Gibbons

Cc: Anita Gardner

Subject: RE: Planning Application: FG/105/18/PL - Asda, Littlehampton Road

Hi Laura,

In response to the below, please see the attached.

To clarify:

1. Construction details of the tank are shown on our drawing 102 Rev P1 – Attached. This will be a sealed system and now allowed to soakaway.
2. Hydrobrake – The Hydrobrake is existing in manhole EX01, we are not proposing for this manhole to change. Rating is 5 l/s.
3. Pipe protection details – Drawing 102 Rev P1 shown examples of concrete encasement for pipe protection.
4. Typical manhole detail is shown on drawing 102 Rev P1.
5. I attach micro drainage calculations for the attenuation proposed on site at discharge rate of 5 l/s.

We trust this information provides everything required to remove the requirement for the condition.

Kind regards

Brad Wiseman
Senior Planner
Planning

[REDACTED]

From: Laura Gibbons [REDACTED]
Sent: 05 July 2018 14:34
To: Brad Wiseman [REDACTED]
Subject: RE: Planning Application: FG/105/18/PL - Asda, Littlehampton Road

Hi Brad,

Yes all of the supplied were available to me. I have been in discussion with your engineer, who has supplied additional details relating to groundwater monitoring and infiltration testing. I have attached the latest correspondence with them.

I will require further construction detail drawings showing the attenuation tank, hydrobrake, pipe protection details, manholes and catchpits. I will also require calculations proving the design meets our requirements in terms of storage and half drain time.

Thanks,

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]

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[REDACTED]



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From: Brad Wiseman [REDACTED]
Sent: 02 July 2018 20:14
To: Laura Gibbons
Subject: Planning Application: FG/105/18/PL - Asda, Littlehampton Road

Hi Laura,

Hope you're well.

I write in respect of the above application, which is a resubmission of an application which was refused earlier in the year. You previously provided comments on the application at that time, and recommended the imposition of a condition relating to the requirement to submit full details of a surface water drainage scheme.

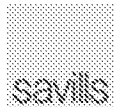
In the preparation of the resubmitted scheme, we took those comments on board and devised a drainage scheme. The attached are the documents submitted in support of the proposal in that regard.

Can you confirm whether you were in receipt of all of those documents at the time of making your recommendations on the current application? It was our intention that the submitted documents had addressed the required information, and that therefore no further information would need to be provided in order to discharge a condition.

Kind regards,

Brad Wiseman
Senior Planner
Planning

Savills, Belvedere, 12 Booth Street, Manchester M2 4AW



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Regards,

Adam Slade | Director
BSc (Hons) Architectural Technology

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