

Lynnyrd Wolfe

From: Anita Gardner
Sent: 16 May 2019 09:44
To: Planning.Responses
Subject: FW: Planning Consultation on LU/109/19/DOC
Attachments: 6239_Shell Petrol Station_Littlehampton_SWM Report_Rev_A.PDF

Please treat as a substitute report

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



Save the environment - think before you print.

From: Laura Gibbons
Sent: 15 May 2019 10:46
To: 'Scott Morley'; Anita Gardner
Subject: RE: Planning Consultation on LU/109/19/DOC

Scott- Thank you for sending through the details these are now okay.

Anita- I am happy to discharge the conditions based on the supplied information. Please can we ensure the latest version (attached) is uploaded to the system and referenced.

Thanks,

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

From: Scott Morley [REDACTED]
Sent: 09 May 2019 08:32
To: Anita Gardner; Laura Gibbons
Subject: FW: Planning Consultation on LU/109/19/DOC

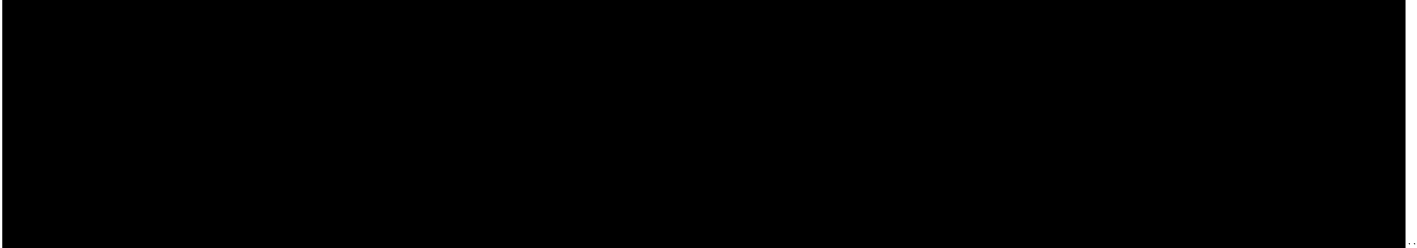
REFERENCE EML-OUT/006897/20190509-82813-714

Dear Anita

In response to questions/comments from your drainage engineer on 11th April 2019, please see email from our consultant Louis Linde and attached revised Drainage Strategy.

Kind regards
Scott

Scott Morley
Bavliiss Design



From: Louis Linde
Sent: 08 May 2019 17:52
To: Scott Morley
Cc: Barry King
Subject: RE: Planning Consultation on LU/109/19/DOC

Scott,

Please find attached the revised Drainage Strategy revised in line with Arun LLFA comments dated 11/04/2019.

The information below and attachment need to be forwarded to **Anita Gardner & Laura Gibbons at Arun District Council** – Lead Local Flood Authority

Dear Laura

With reference to our **Application No. LU/109/19/DOC – Shell Eastfield Worthing Road Littlehampton BN17 6LE**, please find attached all documentation and revised plans in line with your comments below:-

Engineers Comments Regarding Condition 3 and 4

1. The report states that no infiltration testing has been completed because infiltration is not proposed. This is not sufficient justification for not following the hierarchy for sustainable drainage. Infiltration of non-contaminated surface water should be investigated.

Reviewed – Document “*6239_Shell Petrol Station_Littlehampton*” revised, refer to the paragraphs on page 6. with right side border. Also, please refer to the *Services Plan* enclosed in Appendix C as per our discussion Tuesday 07/05/2019.

2. Proposed restriction rates from the non- contaminated surface water are too high. Evidence has been submitted which indicate Q-Bar for the existing site is 2l/s yet proposals are for 5l/s. We accept flow restrictions down to 2l/s with appropriate measures provided (use of hydro-brake not orifice and min. 300mm sump) to ensure the risk of blockage is limited, EA guidance of 5l/s is outdated. Please revise design to restrict to 2l/s.

Reviewed – Document “*6239_Shell Petrol Station_Littlehampton*” revised, refer to the revised paragraphs with right side border. Revised drainage calculations enclosed within Appendix A as per our discussion Tuesday 07/05/2019.

3. The layout plan provided is unclear in terms of differentiation of the two networks. Please revise line types etc.

Reviewed – Document “6239_Shell Petrol Station_Littlehampton” revised, refer to the revised Drawing No. 6239-20A as per our discussion Tuesday 07/05/2019.

4. Catchpit manholes should be provided upstream of attenuation tanks.

Reviewed – Document “6239_Shell Petrol Station_Littlehampton” revised. Catchpit manholes provided upstream from the attenuation crate systems, refer to the revised Drawing No. 6239-20A as per our discussion Tuesday 07/05/2019.

5. On the layout plan provided everything appears to be ending up discharging to the same location. Yet the text states that the non-contaminated surface water will be discharging to surface water sewer and the contaminated will be discharged to foul sewer. Please confirm and please provide clarity as to whether the proposals are to utilise an existing foul water connection.

Reviewed – Document “6239_Shell Petrol Station_Littlehampton” revised. It is only the car wash bay surface water area which shall discharges into the Foul Network through a new oil interceptor. The non and contaminated surface water both shall discharge to an existing surface water connection. The contaminated surface water utilizes the existing system and flow through the existing oil separator prior to discharging to the same existing surface water connection. As discussed, it has been better clarified on the revised Drawing No. 6239-20A – Drainage Strategy.

We trust the above is satisfactory for your immediate requirements, however should you have any queries or require any further information, please do not hesitate to contact the office below.

Regards

BCALCONSULTING

Orient House | Church Way | Wellingborough | Northamptonshire | NN8 4HJ

From: Scott Morley
Sent: 11 April 2019 15:17
To: Amadou Dampha
Subject: FW: Planning Consultation on LU/109/19/DOC

Dear Amadou

Please see email below from the council's drainage engineer. Could you respond and amend plans accordingly.

With regards to point 1. I have noticed that as part of the conditions application for the adjacent coffee shop, they found that infiltration was not feasible. I don't know if this helps.

Link to application should you wish to have a look-

http://www1.arun.gov.uk/PublicViewer/Authenticated/Main.aspx?user_key_1=LU/7/18/DOC

If they will only accept discharge of 2l/s how much bigger does the attenuation need to be?

Kind regards
Scott

Scott Morley
Bayliss Design

From: Anita Gardner [REDACTED]
Sent: 11 April 2019 15:12
To: 'scott@bayliss-design.co.uk' [REDACTED]
Subject: FW: Planning Consultation on LU/109/19/DOC

Dear Mr Morley,
Please see the comments below from our Drainage Engineer.
I would be grateful if you could provide clarification of the points raised by 30-04-2019.
Regards
Anita Gardner

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



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From: Laura Gibbons
Sent: 11 April 2019 12:59
To: Planning.Responses
Cc: Anita Gardner
Subject: RE: Planning Consultation on LU/109/19/DOC

Engineers Comments Regarding Condition 3 and 4

I have reviewed the surface water drainage strategy and have the following comments:

1. The report states that no infiltration testing has been completed because infiltration is not proposed. This is not sufficient justification for not following the hierarchy for sustainable drainage. Infiltration of non-contaminated surface water should be investigated.
2. Proposed restriction rates from the non-contaminated surface water are too high. Evidence has been submitted which indicate QBar for the existing site is 2l/s yet proposals are for 5l/s. We accept flow restrictions down to 2l/s with appropriate measures provided (use of hydrobrake not orifice and min. 300mm sump) to ensure the risk of blockage is limited, EA guidance of 5l/s is outdated. Please revise design to restrict to 2l/s.
3. The layout plan provided is unclear in terms of differentiation of the two networks. Please revise line types etc.
4. Catchpit manholes should be provided upstream of attenuation tanks.
5. On the layout plan provided everything appears to be ending up discharging to the same location. Yet the text states that the non-contaminated surface water will be discharging to surface water sewer and the contaminated will be discharged to foul sewer. Please confirm and please provide clarity as to whether the proposals are to utilise an existing foul water connection.

I will review proposals further on the supply of revised information.

Regards,

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

From:

Sent: 09 April 2019 12:54
To: Land Drainage
Subject: Planning Consultation on LU/109/19/DOC

To: **Engineers (Drainage)**

**NOTIFICATION FROM ARUN DISTRICT COUNCIL
TOWN AND COUNTRY PLANNING ACT 1990**

APPLICATION NO: LU/109/19/DOC

Registered: 08-APR-19
Site Address: Shell Eastfield Worthing Road Littlehampton BN17 6LE

Description of Works: Approval of details reserved by condition imposed under ref LU/314/18/PL relating to Condition No 3 surface water drainage and No 4 flows to watercourses.

The Council have received the above application to discharge conditions. I shall be pleased to receive any observations you may wish to make in respect of those conditions relating to your field of expertise.

[Click here to view the Discharge of Condition application](#)

[Click here to view conditions on original application - click on decision tab](#)

Should you have any comments to make, these should be sent by replying to this email by 23rd April 2019.

www.arun.gov.uk/planning

Please be aware that any comments you may make will be available on our website so please do not insert personal details or signatures on your reply.

In the absence of a reply within the period stated, I shall assume that you have no observations to make.

The officer dealing with this application is Mrs A Gardner who can be contacted on telephone number [REDACTED]

Thanking you in anticipation

Planning Case Officer
Arun District Council

post_con_email

