

Bronte Welham

From: Amanda Scholes on behalf of Planning.Responses
Sent: 08 February 2018 08:39
To: Planning.Scanning
Subject: FW: LU/7/18/DOC - Land adjacent to Shell Garage, Worthing Road, Littlehampton - Condition 4, SW Drainage

From: Ross Leal
Sent: 07 February 2018 14:58
To: Planning.Responses
Subject: FW: LU/7/18/DOC - Land adjacent to Shell Garage, Worthing Road, Littlehampton - Condition 4, SW Drainage

Please upload.

(At present I am in the office Monday to Thursday. I am not in the office on Fridays).

Ross Leal, DipTP, MRTPI
Senior Planning Officer, Development Management, Directorate of Place, [Arun District Council](#)
Location: Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

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From: Ross Leal
Sent: 07 February 2018 14:58
To: 'Aarti O'Leary'
Cc: Paul Cann
Subject: FW: LU/7/18/DOC - Land adjacent to Shell Garage, Worthing Road, Littlehampton - Condition 4, SW Drainage

Dear Aarti,

Please see below the further comments of our Drainage and Coastal Engineer. I would suggest that it might be prudent to discuss the matter with Paul Cann once you have read these comments and prior to any further submission to me.

I hope that the4 below and this email assist.

Regards,

Ross

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Ross Leal, DipTP, MRTPI
Senior Planning Officer, Development Management, Directorate of Place, [Arun District Council](#)
Location: Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

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From: Paul Cann
Sent: 07 February 2018 14:19
To: Ross Leal
Subject: RE: LU/7/18/DOC - Land adjacent to Shell Garage, Worthing Road, Littlehampton - Condition 4, SW Drainage

Hi Ross

I note the percolation rate and can confirm that soakaways are not feasible as a complete solution.

Please therefore, see my comments below on their proposed scheme;

1. Confirm where the existing surface water drainage system discharges too. Presumably, this is the 'bodyshop' lake?
2. Specify more details of the existing pipe being connected to ie. diameter/levels.
3. Where connecting to the existing pipe, the connection will need to be made using an oblique junction with 'flexseal' or similar approved couplings. The connecting pipe will need to be positioned at 10 or 2 o'clock, assuming the top of the existing pipe is 12 o'clock.
4. Specify inlet and outlet levels for storage tank and incoming pipe diameter.
5. Tank outlet pipe diameter – increase to 150mm.
6. Provide catchpit manhole details.
7. Provide hydrobrake technical details from manufacturer.
8. Hydrobrake manhole to incorporate step rungs and bypass door/wire.
9. Microdrainage calculations are required to prove that the 1 in 100 year storm event + 30% allowance for climate change can be accommodated within the system.
10. Whilst infiltration is negligible, specify a permeable geotextile membrane wrapping to the crates to make use of any potential infiltration. The current coarse sand surround should be replaced with larger granular material ie. 20mm clean stone.

Look forward to receiving amended drawings, etc.

Regards

Paul Cann
Senior Engineer (Drainage & Coastal)

Paul Cann | Senior Engineer (Drainage & Coastal), Engineering Services, [Arun District Council](#) | Location: First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

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From: Ross Leal
Sent: 01 February 2018 12:02
To: Paul Cann
Subject: FW: LU/7/18/DOC - Land adjacent to Shell Garage, Worthing Road, Littlehampton - Condition 4, SW Drainage

Dear Paul,

You may recall commenting on this application. Please see the email below and the attached. I will also have this uploaded to the application. If you require a further formal consultation, please let me know.

Ross

(At present I am in the office Monday to Thursday. I am not in the office on Fridays).

Ross Leal, DipTP, MRTPI
Senior Planning Officer, Development Management, Directorate of Place, Arun District Council
Location: Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

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From: Aarti O'Leary [REDACTED]
Sent: 30 January 2018 09:46
To: Ross Leal
Subject: FW: LU/7/18/DOC - Land adjacent to Shell Garage, Worthing Road, Littlehampton - Condition 4, SW Drainage

Ross

We have received the attached soakage test calculations from the applicant's technical consultants.

We have been advised that these shows that an infiltration rate of $1.1 \times 10^{-7} \text{m/s}$ was recorded, which is below the minimum acceptable rate ($1.0 \times 10^{-6} \text{m/s}$) for soakaway systems. Permeability was so poor that the test pit did not reach the required level, so the rate shown on the sheet was extrapolated from the results available.

We trust this is sufficient to address the comments raised by the Council's Drainage Technician and the condition could now be discharged.

We look forward to hearing from you.

Regards

Aarti O'Leary
BSc (Hons), MA (Merit), MRTPI
Associate



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London
EC4V 6AB



www.dwdip.com

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From: Aarti O'Leary
Sent: 24 January 2018 09:18

To: Ross Leal

Subject: RE: LU/7/18/DOC - Land adjacent to Shell Garage, Worthing Road, Littlehampton - Condition 4, SW Drainage

Ross

I have requested the additional details from the applicant's technical consultants.

In the interim, please could you circulate the attached document, which should have formed part of the application supporting documentation.

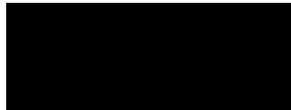
Once I have the percolation rate details from the technical team, I shall forward these on.

Regards

Aarti O'Leary
BSc (Hons), MA (Merit), MRTPI
Associate



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From: Ross Leal [Redacted]

Sent: 24 January 2018 08:12

To: Aarti O'Leary

Subject: LU/7/18/DOC - Land adjacent to Shell Garage, Worthing Road, Littlehampton - Condition 4, SW Drainage

Dear Mrs O'Leary,

Please see the attach ADC Drainage & Coastal Engineer Comments and respond as soon as possible.

Many thanks,

Ross

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Ross Leal, DipTP, MRTPI
Senior Planning Officer, Development Management, Directorate of Place, [Arun District Council](http://www.arun.gov.uk)
Location: Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

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