

PegasusLife

Ziyad Thomas [REDACTED]

Rustington - Latest Correspondence

1 message

Chris Hendry [REDACTED]

13 December 2018 at 11:53

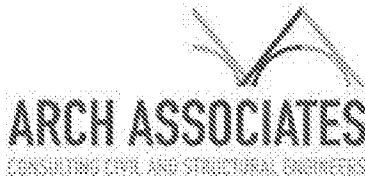
To: Ziyad Thomas [REDACTED]

Hi Ziyad

Please see attached latest string of correspondence. I'm preparing the revised strategy report and pack of information for submission and I believe we agreed at the meeting that Laura and Paul would review everything prior to submission to confirm it is 'complete' and acceptable.

Kind regards,

Chris

Chris Hendry MSc CEng MInstCE*Director*

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

From: Chris Hendry [mailto:ch@archassociates.co.uk]

To: Laura Gibbons [mailto:l.gibbons@archassociates.co.uk]

Cc:

Bcc:

Date: Wed, 12 Dec 2018 17:40:01 +0000

Subject: RE: Former Hares site, Rustington [Filed 12 Dec 2018 17:43]

Hi Laura

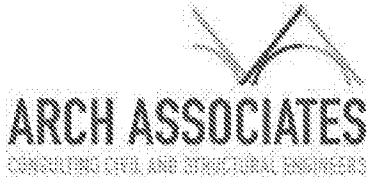
Many thanks. To avoid a potential submission and then rejection on the ground of an incomplete submission, are you willing to review the information we intend to submit before it is submitted and, if necessary, inform us of anything that might be missing? I think this was discussed at our meeting as being a good idea.

Kind regards,

Chris

Chris Hendry MSc CEng MIStructE

Director



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From: Laura Gibbons [REDACTED]
Sent: 12 December 2018 17:14
To: Chris Hendry [REDACTED]
Subject: RE: Former Hares site, Rustington

Hi Chris,

Thank you for providing the further information. I am therefore happy with the proposals, please submit formally to planning ensuring it is a complete proposal.

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

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From: Chris Hendry [REDACTED]
Sent: 12 December 2018 17:09
To: Laura Gibbons
Subject: RE: Former Hares site, Rustington

Hi Laura,

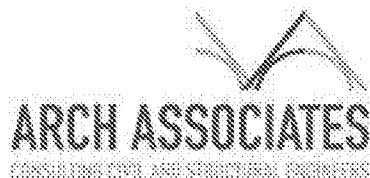
The proposed levels are slightly above existing as you work back from the front of the site and the soakage test at 1m deep was completed in an area with a ground level of 9.60, so I had hoped our formation level of 8.770 would be suitable.

Kind regards,

Chris

Chris Hendry MSc CEng MInstCE

Director



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From: Laura Gibbons [REDACTED]
Sent: 12 December 2018 16:57
To: Chris Hendry [REDACTED]
Subject: RE: Former Hares site, Rustington

Hi Chris,

I have a ground level of 9.90 to 10.00 m on site. You have plenty of spare room in the sub base (i.e. nowhere near capacity), I think reducing it a little would be of benefit unless you can provide confirmation of the infiltration test depth relative to OD.

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: Chris Hendry [REDACTED]
Sent: 12 December 2018 14:05
To: Laura Gibbons
Cc: Paul Cann; Ziyad Thomas
Subject: RE: Former Hares site, Rustington

Hi Laura,

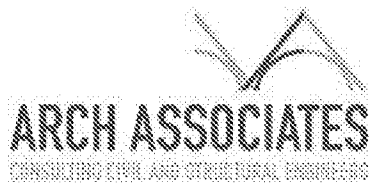
We have set the base at 8.77mAOD, which is 1m down from the ground level at the front of the site where the infiltration test was taken. Is this acceptable?

Kind regards,

Chris

Chris Hendry MSc CEng MInstCE

Director



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From: Laura Gibbons [REDACTED]
Sent: 12 December 2018 13:41
To: Chris Hendry [REDACTED]
Cc: Paul Cann [REDACTED]; Ziyad Thomas [REDACTED]
Subject: RE: Former Hares site, Rustington

Hi Chris,

Can you please ensure the base of the permeable paving is at the depth of the nearest infiltration test which was 1m deep. If achieving sufficient falls on the pipes from the back of the property is problematic please use ring soakaways.

Thanks,

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

12/18/2018

PegasusLife Mail - Rustington - Latest Correspondence

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From: Chris Hendry [REDACTED]
Sent: 10 December 2018 12:03
To: Laura Gibbons
Cc: Paul Cann; Ziyad Thomas
Subject: RE: Former Hares site, Rustington

Dear Laura,

Please find attached our updated drainage GA and details along with the supporting calculations.

We have managed to prove the subbase using infiltration alone based on the revised infiltration figure and have provided a minimum 1m deep build-up for conservatism and due to the falls required in the pipes leading from the back of the building to the front.

I have lowered F2 so that the foul runs beneath the subbase and have used oversized diffuser units and catchpit manholes to mitigate the risk of blockage over time.

As discussed in our meeting, we accept that should the subbase back-up then the exceedance flows would run off site to the North, which means risk to the building is minimal. We also note that the bund would act to highlight issues within the permeable paving.

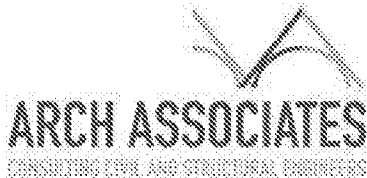
Please can you review and then let us have any comments?

Kind regards,

Chris

Chris Hendry MSc CEng MStructE

Director



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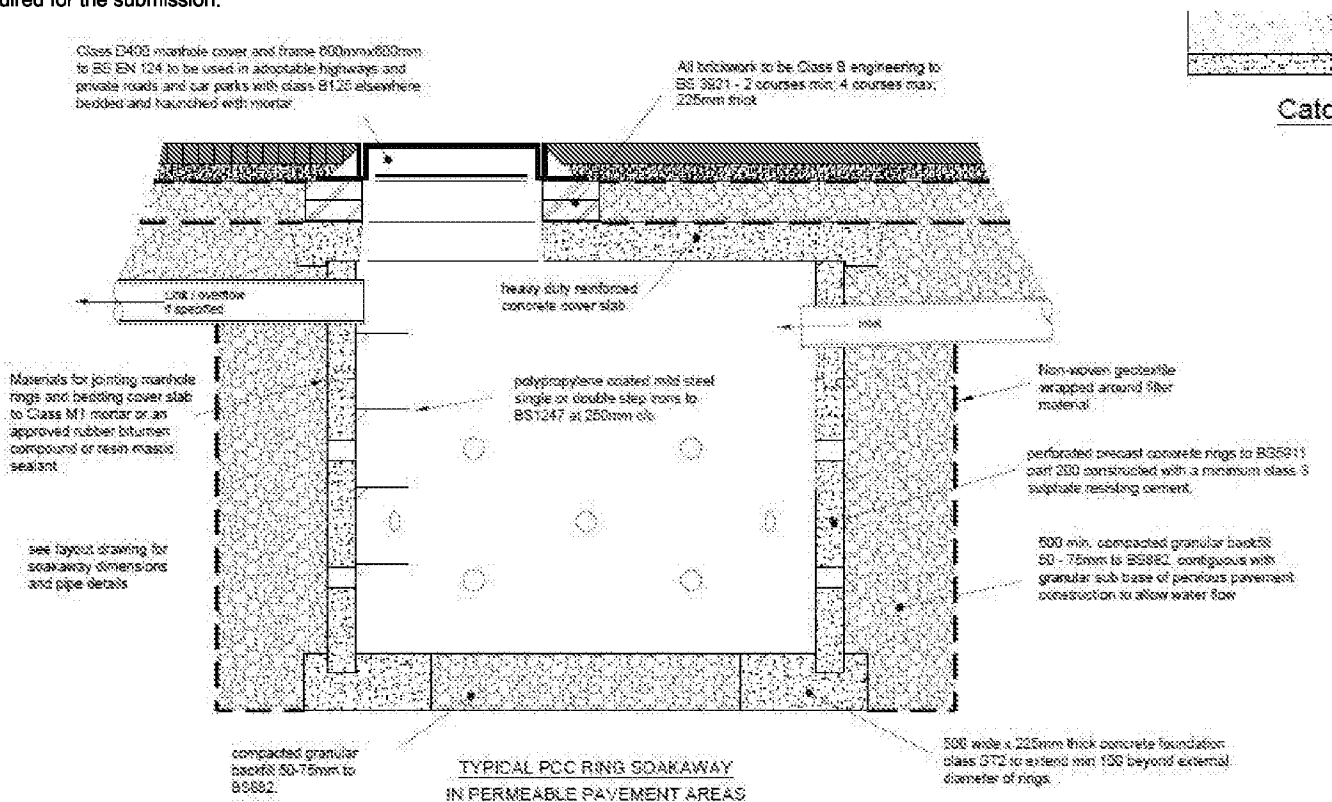
From: Laura Gibbons [REDACTED]
Sent: 04 December 2018 14:33
To: Chris Hendry [REDACTED] Ziyad Thomas [REDACTED]
Cc: Paul Cann [REDACTED]
Subject: Former Hares site, Rustington

Both,

Thank you for your time this morning. I have summarised below the agreed way forwards in terms of technical details:

1. The infiltration rate used in calculations is to be checked and calculations revised if required. 2.4×10^{-6} appears to be used in calculations, whereas 2.4×10^{-5} was found on site.
2. The permeable paving is to be used to take roof water and water from the paving itself.
3. If required a gully could be installed (proper road gully construction) to act as a fail-safe should an extreme event occur. This gully would be located near the "sleeping policeman" in the access way. A 2/s control manhole will be located downstream of this, before connection into the southern water sewer.
4. If point 3 is taken forwards the optimising of the position of C2 will be examined to improve the angle of connection from the gully, so that its direction is not against the flow of water.
5. Approval from southern water will be sought should point 3 and 4 be required. We are happy to support with this.
6. If calculations show that the gully connection into the southern water sewer is not required we would not accept an attenuation solution should southern water refuse point 3.
7. Should pipe levels be inappropriate to connect immediately into the subbase of the permeable paving a connected ring soakaway could be utilised.
8. Catch pits will be provided upstream of all connections into the permeable paving.
9. Points of diffusion into the permeable paving should be located 5m from buildings.
10. F2 will be lowered so that the foul water pipe is below the permeable paving construction.

I have shown below the detail drawing for a ring soakaway connecting into permeable paving and have attached the draft checklist which should aid in the details required for the submission.



Should you have any questions please get in contact. And as stated we are happy and would advise you to run the full submission past us before you submit the details 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

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