

[REDACTED]

From: Amanda Scholes on behalf of Planning.Responses
Sent: 30 January 2020 08:44
To: Planning Scanning
Subject: FW: 4 Lake Lane -ground infiltration rate. BN/59/19/DOC

Amanda Scholes | Receptionist, Department, [Arun District Council](#) | Location: Ground Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF



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From: Daniel Vick [REDACTED]
Sent: 29 January 2020 17:47
To: Planning.Responses [REDACTED]
Subject: FW: 4 Lake Lane -ground infiltration rate. BN/59/19/DOC

Please upload and redact – application correspondence

From: Pete Davies [REDACTED]
Sent: 25 October 2019 12:30
To: Daniel Vick <[REDACTED]>
Subject: RE: 4 Lake Lane -ground infiltration rate. BN/59/19/DOC

Thank you

Best Wishes
Pete Davies
07917 730540

From: [Daniel Vick](#)
Sent: 25 October 2019 12:29
To: [Pete Davies](#) ; [Tony Trist](#)
Subject: RE: 4 Lake Lane -ground infiltration rate. BN/59/19/DOC

Mr Davies,

I have forwarded the plan to Paul Cann.

Daniel Vick



From: Pete Davies [REDACTED]
Sent: 25 October 2019 11:07
To: Daniel Vick [REDACTED] Tony Trist [REDACTED]
Subject: RE: 4 Lake Lane -ground infiltration rate. BN/59/19/DOC

Morning Mr Vick

Can you forward on the drawing, attached, from the engineer, Mr Trist, to Mr Paul Cann.

I have no issue with Mr Cann, or yourself, liaising directly with Mr Trist. If that's not possible then via me is fine.

Best Wishes
Pete Davies
07917 730540

From: Daniel Vick
Sent: 24 October 2019 13:14
To: Tony Trist
Cc: [REDACTED]
Subject: RE: 4 Lake Lane -ground infiltration rate. BN/59/19/DOC

Mr Trist,

None of the emails I have received from you appear to contain an attached plan. Any additional plan submitted for consideration with the application should come from Mr Davies as he is the agent for the application.

Daniel Vick

Daniel Vick | Area Team Leader, Planning Services, Arun District Council | Location: Phoenix House, Maltravers Road, Littlehampton, BN17 5LF

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-----Original Message-----

From: Tony Trist [REDACTED]
Sent: 24 October 2019 09:59
To: Daniel Vick [REDACTED]
Cc: [REDACTED]
Subject: Re: 4 Lake Lane -ground infiltration rate. BN/59/19/DOC

Hi Daniel

As I said previously he obviously has not seen my As - Built drawing with all the requested information shown apart from the gravel Specs which were Terran geotextile wrapped in the french drain and 100 mm thick laid on a geotextile sheet along the front of the two houses. I think I sent you this drawing Regards, Tony

Sent from my iPad

> On 24 Oct 2019, at 09:36, Daniel Vick [REDACTED] wrote:

>

> Mr Trist,

>

> I can confirm Paul Cann has seen both plans submitted with the application (attached). He has commented "the drawings are still lacking sufficient detail".

>

> Daniel Vick

>

> Daniel Vick | Area Team Leader, Planning Services, Arun District

> Council | Location: Phoenix House, Maltravers Road, Littlehampton,

> BN17 5LF

> [REDACTED]

> [REDACTED]

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> -----Original Message-----

> From: Tony Trist <[REDACTED]>

> Sent: 23 October 2019 12:48

> To: Daniel Vick [REDACTED]

> [REDACTED]

> Subject: Re: 4 Lake Lane -ground infiltration rate. BN/59/19/DOC

>

> Hi Daniel,

> Did the person who asked for further information receive my drawing ,because most of the information requested is on my As / Built drawing apart from the surfacing gravel spec and that used in the 12.0m run of French Drains.

> Regards,

> Tony

>

> Sent from my iPhone

>

>> On 23 Oct 2019, at 12:24, Daniel Vick [REDACTED] wrote:

>>

>> Mr Trist and Mr Davies,

>>

>> See final paragraph below for information required by engineers. Can this detail be submitted within 2 weeks?

>>

>> Daniel Vick

>>

>> Daniel Vick | Area Team Leader, Planning Services, Arun District

>> Council | Location: Phoenix House, Maltravers Road, Littlehampton,

>> BN17 5LF

>> [REDACTED]

>> [REDACTED]

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>> -----Original Message-----

>> From: Paul Cann <[REDACTED]>

>> Sent: 23 October 2019 11:34

>> To: Sarah Burrow [REDACTED]; Daniel Vick

>> [REDACTED]

>> Subject: Re: 4 Lake Lane -ground infiltration rate. BN/59/19/DOC

>>

>> Hi Dan

>>

>> Just to let you know (and Laura was probably unaware), I had a meeting on site with the contractor/developer just as construction was starting (2017) and the discussed principles of what we would be expecting to see in terms of surface water drainage on this site. At that time we made them aware they were in breach of planning as they had not discharged pre-commencement conditions.

>>

>> However, ground conditions observed at the time, the previous land use (a house that discharged direct to the rife) and the proximity of the Barnham Rife, we agreed that shallow perforated pipework is an option we would consider in this case. This would make use of any infiltration potential before discharge to the Barnham Rife. Groundwater monitoring/infiltration tests was agreed to be waived, provided we can agree the detailed proposals based upon site discussions. Needless to say, no proposals were submitted until now.

>>

>> I note the EA have approved an activity permit for the surface water outfall to the Barnham Rife (main river) which I advised the applicant to apply for.

>>

>> In terms of a way forward, I suggest the applicant amends their plan to show fully detailed arrangements. This should include manhole cover levels, invert levels, all pipe diameters and gradients. Construction drawings are also required for manholes, pipe bedding, bedding/spec for perforated pipe section, gravel finished area around the building frontage, 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

>> [REDACTED]

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>> -----Original Message-----

>> From: Sarah Burrow [REDACTED]

>> Sent: 23 October 2019 09:43

>> To: Paul Cann [REDACTED]

>> Subject: FW: 4 Lake Lane -ground infiltration rate. BN/59/19/DOC

>>

>>

>>

>> -----Original Message-----

>> From: Daniel Vick [REDACTED]

>> Sent: 21 October 2019 16:32

>> To: Sarah Burrow [REDACTED]

>> Subject: FW: 4 Lake Lane -ground infiltration rate. BN/59/19/DOC

>>

>> Sarah,

>>

>> Please see below - last comments from Laura were:-

>>

>> "Engineers Further Comments Regarding Condition 5 Our checklist has been submitted. Within the checklist it is indicated that no groundwater monitoring or infiltration testing has been completed and that justification has been provided for not using infiltration. Please can this justification be provided.

>>

>> I will provide further comments upon the supply of this further information."

>>

>> Dan

>>

>> -----Original Message-----

>> From: Daniel Vick

>> Sent: 21 October 2019 16:20

>> To: Tony Trist [REDACTED] Pete Davies

>> [REDACTED]

>> Subject: RE: 4 Lake Lane -ground infiltration rate.

>>

>> Mr Trist,

>>

>> Thanks for this - I believe it is our engineers who have asked for the information so I will forward it to them for comment.

>>

>> Daniel Vick

>>

>>

>> Daniel Vick | Area Team Leader, Planning Services, Arun District

>> Council | Location: Phoenix House, Maltravers Road, Littlehampton,

>> BN17 5LF

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>> -----Original Message-----

>> From: Tony Trist [REDACTED]

>> Sent: 18 October 2019 19:23

>> To: Daniel Vick [REDACTED] Pete Davies

>> [REDACTED]

>> Subject: 4 Lake Lane -ground infiltration rate.

>>

>> Hi Daniel ,

>> Peter Davies has asked me to respond to the SWA and to yourself.

>> SWA have requested the discharge rate from the two attached houses that have been built on the site of no 4 Lake Lane.

>> Following my visit to this site I have prepared an As - Built drawing indicating the extent of the new impervious ground cover and the foul and storm water disposal systems.

>> The impervious areas now comprise the 100 m2 roof scape and two areas of pcc paving slabs which drain from their edges onto lawned areas, or other areas surfaced with timber chipping or single size gravel.

>> Based upon the hourly rainfall rate of 75 mm the run off from the

>> roof scape would be approx

>> 2.1 litres per second

>> You are no aware that the subsoil conditions to some depth are stiff clay having an extremely low infiltration rate that was felt at the time to be unsuitable for disposal by infiltration of the rain water discharged from the roof scape.

>> The Rife which forms that rear boundary to the site has a permanent water flow that rises close to ground level during periods of heavy sustained rainfall.

>> The banks to this watercourse are lined with panels of Wattle fencing which serves to keep the subsoil over the adjacent well saturated and therefore there seemed little point in considering ground infiltration as the means of surface water disposal.

>> On the advice from a senior engineer working for the Arun DC the final 6.0 m runs of the two 100 mm dia. storm drains serving the roof scape were constructed using 100mm dia. perforated pipes surrounded and with the trenches filled using a single size gravel to form French Drains.

>> Finally the Discharge Pipe size was throttled from 2/ 100 mm dia. pipes to 1/ 75 mm dia pipe discharging into the Rife through a pcc paving slab buried in the bank behind the Wattle panel lining.

>> I trust you can accept that

>> Peter Davies as done as much as was practically possible to endure that this new development could have only an extremely small impact upon the future flood conditions in the immediate area .

>> Regards,

>> Tony Trist.

>>

>> Sent from my iPhone

>>

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