

[REDACTED]

From: Ellie White [REDACTED]
Sent: 23 August 2018 09:15
To: Simon Davis
[REDACTED]

Subject: FW: Land East of Northend Road, Yapton: Y/49/18/PL

Morning Simon,

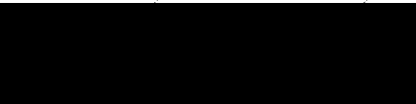
Please see below for your record.

With Kind Regards,
Ellie

Ellie White MRTPI CIHCM
Planning Director



The McLaren Clark Consultancy
4 Park Farm, Chichester Road, Arundel, West Sussex BN18 0AG



W: www.m-c-c.biz

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On 15 Aug 2018, at 07:46, Laura Gibbons [REDACTED] wrote:

Hi Kazys,

Looks good. If you could please submit all the final details to planning I will be happy to recommend drainage details are approved based on these.

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: kazys [REDACTED]
Sent: 14 August 2018 12:13
To: Laura Gibbons
Cc: Kevin Wawman
Subject: RE: Land East of Northend Road, Yapton: Y/49/18/PL

Laura

Following our discussion I have re-calculated the soakaways So1 & So2 with a FoS of 2. The dimensions proposed based on a rounding up of the previous calculation results show that a FoS of 2 is contained within the proposed soakaway sizes. Attached are the new calculations confirming this, so a linking up of the two soakaways should not be necessary.

Could you now please confirm your acceptance of the drainage proposals and advise your planning colleagues accordingly. However, should you require anything further please contact me.

Many thanks.

Regards

Kazys

Kazys Narbutas

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From: Laura Gibbons [REDACTED]
Sent: 14 August 2018 10:52
To: kazys [REDACTED]
Subject: RE: Land East of Northend Road, Yapton: Y/49/18/PL

Hi Kazys,
We would normally require a factor of safety of a minimum of 2 on drainage design as well as not infiltrating through the base. Let me know if the calcs work with this FoS or not.
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: kazys [REDACTED]
Sent: 14 August 2018 10:36
To: Laura Gibbons
Cc: Kevin Wawman
Subject: RE: Land East of Northend Road, Yapton: Y/49/18/PL

Laura

Thank you for your e-mail, I just tried calling you but you were on voicemail.
I can certainly link the two soakaways but I would point out that we take a more cautious view on our soakaway designs insofar as we do not take the base of the soakaway into consideration in our calculations, hence we do not employ a FoS.
I will call you again later to discuss.

Regards

Kazys

Kazys Narbutas

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From: Laura Gibbons [REDACTED]
Sent: 14 August 2018 09:30
To: kazys [REDACTED]
Cc: Kevin Wawman <[REDACTED]>
Subject: RE: Land East of Northend Road, Yapton: Y/49/18/PL

Hi Kazys,
Sorry for the delay in getting back to you. I have been out of the office since Wednesday afternoon. I have looked at the information you have provided. My main concern is Soakaway 1 and 2 as the rate found at SK1 is so much better than the rates found elsewhere, and the SK1 test was not completed at the direct location of the soakaways. Can the soakaways be linked, i.e. provide a little more length so that a safety factor of 2 can be applied to the calculations?
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: kazys [REDACTED]
Sent: 08 August 2018 11:07
To: Laura Gibbons
Cc: Kevin Wawman
Subject: Land East of Northend Road, Yapton: Y/49/18/PL

Laura

Thank you for your response and outlining the criteria to be adopted for your response to the Planning officer.

I have reviewed your options and using the 'conservative' design approach have provided an alternative design that conforms with your requirements.

Attached is a revised drainage layout that fully details the soakaways, together with the MicroDrainage calculations for the 1 in 10 and 1 in 100 (+40%) year storm events.

I trust this submitted information will now enable you to advise your Planning Colleagues that you are satisfied with the drainage strategy for the site.

Please contact me should you require anything further.

Many thanks

Regards

Kazys

Kazys Narbutas

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From: Laura Gibbons [REDACTED]
Sent: 07 August 2018 12:13

To: kazys [REDACTED]
Cc: Kevin Wawman [REDACTED]
Subject: RE: land East of Northend Road, Yapton: Y/49/18/PL

Hi Kazys,

Thank you for your phone call earlier and for the additional information you provided.

The information supplied doesn't fully meet our requirements for winter groundwater monitoring. Monitoring was completed from January, our requirements are October to March inclusive. Therefore we would either like to see conservative design, i.e. inverts of structures kept no deeper than 1m bgl, or further groundwater monitoring completed.

The infiltration results show that infiltration is achievable. However, rates are quite low, meeting our requirements for half drain times may be a challenge. We may require more linking of the system as a result.

If you could let me know your preference regarding groundwater monitoring or constraints on design I will then provide a revised response to the planners.

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: kazys [REDACTED]
Sent: 26 July 2018 12:43
To: Laura Gibbons
Cc: Kevin Wawman
Subject: land East of Northend Road, Yapton: Y/49/18/PL

Laura

A pleasure speaking to you earlier.

As discussed, it would appear, that you were not furnished with all the data that was used to base our drainage design on for the above development.

To enable you to fully assess the proposals, and hopefully amend your comments to your planning colleague, please find attached a copy of the report produced by the site investigation company that gives further information on the infiltration testing and results. Also attached is a copy of the gas and groundwater monitoring results undertaken between January and May.

Should you wish to discuss any of the information or require anything further to assist with

your planning response please contact me.

Many thanks.

Regards

Kazys

Kazys Narbutas

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