

[REDACTED]

From: Simon Davis
Sent: 11 January 2019 12:57
To: 'Tom Hall' [REDACTED]
[REDACTED]

Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

Dear Tom,

Yes its just a case of me writing a short decision notice to say that the condition is discharged in accordance with the submitted drawings/documents. No problem if you want to crack on with groundworks.

Kind Regards

Simon J Davis MRTPI | Principal Planning Officer, Planning Department, Directorate of Place, Arun District Council |
Location: Planning, First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF
Internal: 37874 | External: +44 (0) 1903 737874 | E-mail: simon.davis@arun.gov.uk
Please note that I typically work from home on Thursdays when I am unreachable on my work phone

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From: Tom Hall [REDACTED]
Sent: 11 January 2019 12:40
To: Simon Davis <Simon.Davis@arun.gov.uk>
[REDACTED]

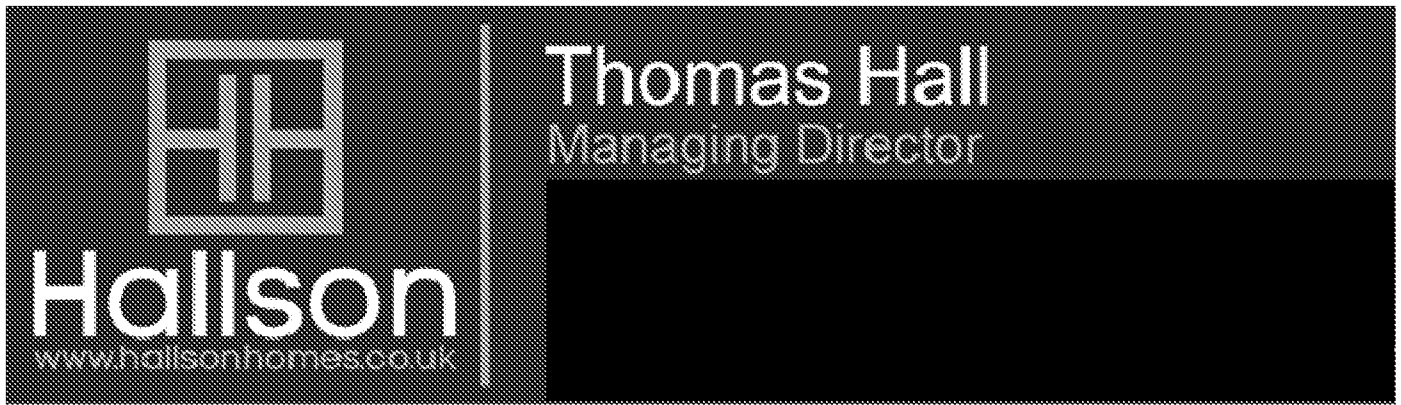
Subject: Re: A18237C. Kings Beach Hotel (P/83/18/DOC)

Thanks for the update Simon.

The groundworkers are currently away from site and were hoping to return once the drainage had been finalised – we were hoping this would be this Monday 14th.

Although the formalities of issuing the official decision won't be done until next week, I assume this is purely an administrative item and we are ok to proceed as per the latest design approved by Laura without expecting any further changes to the drainage layout prior to the condition being officially discharged next week?

Kind Regards



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From: Simon Davis <Simon.Davis@arun.gov.uk>
Date: Friday, 11 January 2019 at 12:35
To: 'Tom Hall' [REDACTED]
Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

Dear Tom,

Just to advise that I first need to wait for admin to return the planning file to me before I can issue the decision (they need to get all of the amended/additional plans uploaded). I expect this to be done next week.

Kind Regards

Simon J Davis MRTPI | Principal Planning Officer, Planning Department, Directorate of Place, Arun District Council |
Location: Planning, First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF
Internal: 37874 | External: +44 (0) 1903 737874 | E-mail: simon.davis@arun.gov.uk
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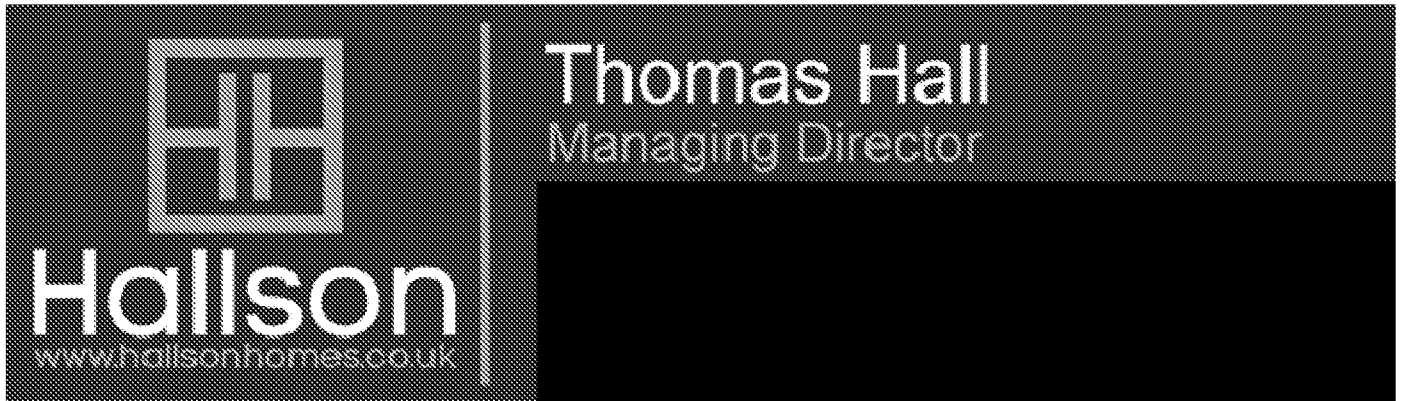
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From: Tom Hall [REDACTED]
Sent: 11 January 2019 08:59
To: Andy Johnson [REDACTED] Laura Gibbons <Laura.Gibbons@arun.gov.uk>; Simon Davis <Simon.Davis@arun.gov.uk>
Subject: Re: A18237C. Kings Beach Hotel (P/83/18/DOC)

Thanks Laura, Andy and Simon.

I would also like to pass my thanks to everyone involved for dealing with the responses in such a speedy manner. This has assisted us greatly in preventing delays on site and is much appreciated.

Kind Regards



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From: Andy Johnson [REDACTED]
Date: Friday, 11 January 2019 at 08:46
To: 'Laura Gibbons' <Laura.Gibbons@arun.gov.uk>, 'Simon Davis' <Simon.Davis@arun.gov.uk>
Cc: 'Tom Hall' [REDACTED]
Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

Thanks Laura for the rapid responses, beneficial to all involved to have progressed the design to this point so a welcome process.

Kind Regards,

Engineering Andy Johnson
BSc BEng MEng CEng MICE
Principal Consultant

The Stilwell Partnership
[REDACTED]

From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Sent: 11 January 2019 08:40
To: Andy Johnson [REDACTED] Simon Davis <Simon.Davis@arun.gov.uk>
Cc: 'Tom Hall' [REDACTED]
Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

Andy- I am now okay with these details.

Simon- happy to recommend discharge of the condition 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: Andy Johnson [REDACTED]
Sent: 08 January 2019 13:18
To: Laura Gibbons
Cc: 'Tom Hall'; Simon Davis
Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

Laura,

No problem. I used an arbitrary level on the calculations just to get the design done which may have caused some confusion. I have now updated to the correct levels (attached).

Also formation level and cover level shown on the drawing for completeness. I have increased the eastern side to 350mm, the calcs had a typo in which accounts for the error you noted. Many thanks and apologies for that.

Kind Regards,

Eng Andy Johnson
BSc BEng MEng CEng MICE
Principal Consultant

The Stilwell Partnership
[REDACTED]

From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Sent: 04 January 2019 14:15
To: Andy Johnson [REDACTED]
Cc: 'Tom Hall' [REDACTED] Simon Davis <Simon.Davis@arun.gov.uk>
Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

Andy,

I do need to see the finish and formation levels specified on the layout plan too.

The calculations do not stipulate the capped depth of stone you state, you have only got invert and cover depths for the storage features. The difference between these is not equal to the depth of stone you stipulate, nor is there any other differentiation between void ratios of the various layers above the stone.

The stone depth required needs to equal or exceed the maximum water depth modelled. Either you model the invert and cover depths so that the difference is equal to the stone you propose, or you model total formation depths and take the maximum water depth calculated as the depth of stone required.

As a further check (which may help demonstrate my point) please ensure the free volume within the stone sub base is equal to or greater than the maximum water volume. If as you state in the eastern catchment you have 250mm of stone, free volume is $10 \times 9 \times 0.3 \times 0.25 = 6.75 \text{ m}^3$, this is less than the maximum volume of water of 10.4 m^3 .

Therefore, the depth of stone needs to be increased.

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: Andy Johnson [REDACTED]
Sent: 04 January 2019 13:50
To: Laura Gibbons
Cc: 'Tom Hall'; Simon Davis
Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

Laura,

Apologies, I just updated that as I had the same request from site. Please find attached.

The dimensions you noted are the overall construction depth. This allows for the topping and sand blinding, the input stone depth in MicroDrainage is capped at 250/350 as required.

Kind Regards,

For Ing Andy Johnson
BSc BEng MEng CEng MICE
Principal Consultant

The Stilwell Partnership
[REDACTED]

From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Sent: 04 January 2019 13:44
To: Andy Johnson [REDACTED]
Cc: 'Tom Hall' [REDACTED] Simon Davis <Simon.Davis@arun.gov.uk>
Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

Andy,

The drainage layout submitted doesn't show the permeable paving extents. I don't know if the layer was just switched off or what. However, please ensure extents are shown and that the paving is labelled up with finish and formation level.

The calculations also demonstrate that 390mm stone is required in the west, and 460mm in the east. Please update drawings accordingly.

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 5LP

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From: Andy Johnson [REDACTED]
Sent: 02 January 2019 08:17
To: Laura Gibbons
Cc: 'Tom Hall'
Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

Laura,

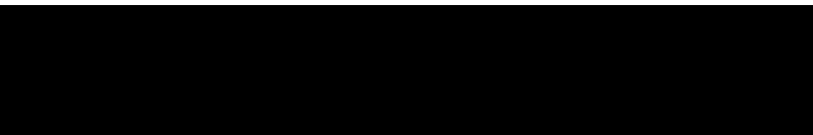
Please find attached the updated pack. The system requires 250mm stone in the east side and 350mm stone in the west.

Kind Regards,

Enc Ing Andy Johnson

BSc BEng MEng CEng MICE
Principal Consultant

The Stilwell Partnership



From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Sent: 21 December 2018 12:26
To: Andy Johnson [REDACTED]
Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

That's great, then we don't have to wait for a S106 approval either.

Have a good Christmas.

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: Andy Johnson [REDACTED]
Sent: 21 December 2018 12:24
To: Laura Gibbons
Cc: Simon Davis; 'Tom Hall'
Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

Thanks Laura,

I will do an update to the calculations and drawing to use just the stone for infiltration and increase the depth. This wont be until the new year though.

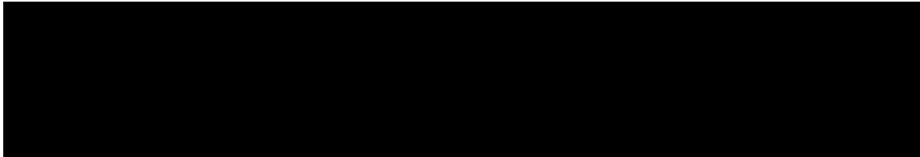
Have a good Christmas.

Kind Regards,

For Ing Andy Johnson

BSc BEng MEng CEng MICE
Principal Consultant

The Stilwell Partnership



From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Sent: 21 December 2018 12:20
To: Andy Johnson 
Cc: Simon Davis <Simon.Davis@arun.gov.uk>; 'Tom Hall' 
Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

Hi Andy,

We do not require 1m clearance to groundwater, therefore the sub base depth can be increased.

Given the calcs and construction details the total depth could be 0.521m. This still gives nearly 1m clearance to groundwater anyway.

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,
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From: Andy Johnson [REDACTED]
Sent: 21 December 2018 10:28
To: Laura Gibbons
Cc: Simon Davis; 'Tom Hall'
Subject: A18237C. Kings Beach Hotel (P/83/18/DOC)

Laura,

Many thanks for your email and comments.

Please find attached a calculation for the western part of the site showing that the porous surfacing at 250mm stone is not capable of managing the roof water. We do not recommend increasing the stone depth due to the water table issues. I visited the site this week and can confirm groundwater ingress occurs at approx. 1.5m BGL.

I have updated our typical details to include the porous asphalt detail for your records.

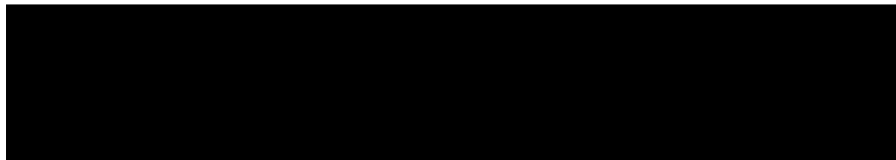
We submitted the S106 application (Ref DS_CPS-103387) in September but have had nothing back from SWU yet. Our office is closing shortly for Christmas so I am unable to chase until the new year.

Kind Regards,

Eng Ing Andy Johnson

BSc BEng MEng CEng MICE
Principal Consultant

The Stilwell Partnership



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