

[REDACTED]

From: Laura Gibbons

Sent: 01 August 2019 08:37

To: Ben Daines [REDACTED]

Cc: Anita Gardner <Anita.Gardner@arun.gov.uk>; Chris Barker [REDACTED]

Subject: RE: EP/64/19/DOC

Hi Ben,

Details look okay. Please submit formally 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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From: Ben Daines [REDACTED]

Sent: 26 July 2019 10:21

To: Laura Gibbons <Laura.Gibbons@arun.gov.uk>

Cc: Anita Gardner <Anita.Gardner@arun.gov.uk>; Chris Barker [REDACTED]
Subject: RE: EP/64/19/DOC

Laura,

Please find attached amended information which hopefully addresses the concerns set out in your email of 25 July.

Kind Regards

Ben Daines MRTPI
Associate Planner

ECE Planning

Planning permission has been granted for the redevelopment of the GBMC Pelham Street Campus in Brighton – click [here](#) to read more



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From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Sent: 25 July 2019 12:14
To: Ben Daines [REDACTED]
Subject: RE: EP/64/19/DOC

Ben,

Switching diffuser units for perforated pipe isn't sufficient. Infiltration should not occur within 5m of a building when the infiltrating structure is dealing with more water than that which is falling directly on it.

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: Ben Daines [REDACTED]
Sent: 23 July 2019 11:12
To: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Cc: Anita Gardner <Anita.Gardner@arun.gov.uk>
Subject: RE: EP/64/19/DOC

Hi Laura,

Please find attached additional drainage details which hopefully address the comments set out in your email below.

Kind Regards

Ben Daines MRTPI
Associate Planner

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From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Sent: 22 July 2019 11:32
To: Ben Daines [REDACTED] Anita Gardner <Anita.Gardner@arun.gov.uk>
Subject: RE: EP/64/19/DOC

Ben,

Thank you for sending over revised details, I have the following comments:

1. Please provide further details of the shallow swale, i.e. bed level and bank levels.
2. Diffuser units are located closer than 5m to buildings.
3. Please provide updated construction detail drawings.

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: Ben Daines [REDACTED]
Sent: 15 July 2019 16:44
To: Anita Gardner <Anita.Gardner@arun.gov.uk>; Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Subject: FW: EP/64/19/DOC

Dear Anita and Laura,

Please find attached the additional information required to address Laura's comments in her email of 26 June regarding EP/64/19/DOC. Please also see the email below responding directly to Laura's comments in red. I trust the relevant conditions can now be discharged.

Please let me know if you have any queries.

Kind Regards

Ben Daines MRTPI
Associate Planner

ECE Planning

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From: Marmont Developments [REDACTED]

Sent: 12 July 2019 16:08

To: Ben Daines [REDACTED]

Subject: FW: EP/64/19/DOC

Please find attached the revised drainage details.

Thanks

Adrian

From: Oliver Harvey [REDACTED]

Sent: 12 July 2019 15:53

To: Guy Lower

Cc: Marmont Developments

Subject: RE: EP/64/19/DOC

Hi Guy,

Please find attached the updated drawings and calcs to go along with the checklist we issued last week. Have also provided a response to the comments below.

1. Layouts need to clearly identify the formation and finish level proposed for permeable paving. On drawing & section detail
2. Please can invert levels and not depths be expressed at each manhole. Added
3. The size and fall of all pipes needs to be clearly labelled on the plan. Added
4. Catchpit locations need to be clearly marked on the plan. Added

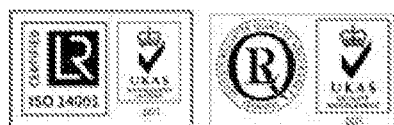
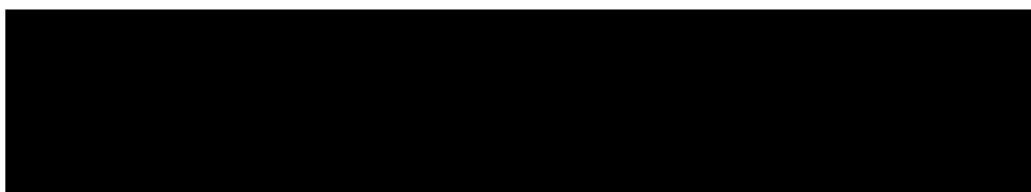
5. The factor of safety used in calculations needs to be revised to be compliant with requirements set out within CIRIA. Please refer to our checklist for further information on this. Used CV=1 and FoS = 3, this increased storage with approx. 30%. Added a geocellular tank to the side of the pavement in the soft landscaping to make up for it, see section detail on drawing.
6. Please can an impermeable area plan be provided. in link
7. Please can pipe numbers used in calculations be provided on the layout to facilitate my review. Added
8. The invert level of the permeable paving modelled is incorrect. Please can a cap volume depth also be modelled. Used 0.418m cap to reflect the attenuation storage throughout the site, both in the 0.5m and 0.25m deep regions - $(55.5\text{m}^3 + 13.5\text{m}^3) / ((370\text{m}^2 + 180\text{m}^2) \times 0.3)$

Kind Regards,

Oliver

Oliver Harvey BSc (Hons) MSc | Flood Risk and Drainage Consultant

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~~~~~  
a company of Royal HaskoningDHV



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