

Simon Davis

From: Adrian D'Cruz [REDACTED]
Sent: 02 July 2021 07:39
To: Simon Davis
Subject: FW: 34-44 Carlton Avenue, Bognor Regis - SW Drainage Design - AW/228/21/RES Carlton Avenue
Attachments: Email SW Drainage AIP - Laura Gibbons ADC dated 16.07.2019.pdf; Site Investigation Ground Water Monitoring - presentation table.pdf; CAV Site Investigation Ground Water Monitoring v2.xlsx; CAV Southern Water Map 16102017.pdf; 34_44 Carlton Avenue AW_130_18_OUT Outline Application Decision Notice.pdf; 18.9887_36-44 Calton Avenue_Phase 2 Report.pdf; 19.1088 - 34-44 Carlton Avenue - SA Letter Report.pdf; 19.1088 - Infiltration Rate BRE 365.pdf; 19.1088 - SA TP Soil Logs.pdf; Carlton Avenue Infiltration Test Plan A4 at 1_500.pdf; FC2891.02 Draft SW Design Sh1.pdf; FC2891.03 Draft SW Design Sh2.pdf; FC2891.04 Draft Ext levels Sh1.pdf; FC2891.05 Draft Ext levels Sh2.pdf; FC2891.11 Draft prop Imp Areas & summary geotech info.pdf; FC2891 SWD 10YR40CC BLANKET SOAKAWAY.pdf; FC2891 SWD 30YR40CC BLANKET SOAKAWAY.pdf; FC2891 SWD 100YR40CC BLANKET SOAKAWAY.PDF

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Dear Simon,

Please find attached and below information for Surface Water Drainage design at 36 Carlton Avenue.

I appreciate this goes beyond that required for planning purposes but we would like to deal with the Surface Water Design in its entirety at this stage rather than the requirement for a Planning Condition.

Best regards

Adrian

From: Alex Burrows <[REDACTED]>
Sent: 01 July 2021 14:54
To: Adrian D'Cruz [REDACTED]
Subject: 34-44 Carlton Avenue, Bognor Regis - SW Drainage Design

Dear Adrian,

Re: 34-44 Carlton Avenue, Rose Green, Bognor Regis PO21 3LR – SW Drainage Design

Further to our earlier conversation, Mark Hobbs at ABMH Civils has provided the following SW drainage design for submission to the LPA; this has been agreed in principle with the LPA Drainage department.

It is proposed to use Formpave porous paving system as a blanket soakaway, with level formation, 450mm dp gravel sub base, and 80mm blocks on 50 shingle on 80mm temp running/construction layer.

The Gravel sub base needs to have 35% voids ratio – we normally use 30% for design purposes, but the grading generally produces void ratio in excess of 36%, and the approach has been AIP by the LPA.

Certification of the sub base material and voids ratio will be required prior to placement on site to verify that the sub base has the properties required.

- Used lowest recorded SIR from SI
- Allowed the applicable SIR safety factors and urban creep factor of 10% to imp areas
- GWL assessment – see attached table

Please see attached for reference the following documents:

- ADC planning consent
- Sewer Records
- Draft SW Drainage Layout FC2891/02 & 03
 - Windes calcs for 10/30/100 yr + 40% CC
- Draft External Levels FC2891/04 & 05
 - Also shows exceedance flow routes
- Prop Imp Areas and Geotech summary info FC2891/11
- GW monitoring
 - Site investigation GW Monitoring V2 by CE/Client (Excel file)
 - ABMH GW summary table with proposed corrections!
- Geotech data
 - CE Site investigation Report may 2018
 - CE Soakaway testing and SIR March 2019
 - SIR Test Results
 - Trial Pit Logs
 - SIR Trial Pit Plan
- Email correspondence from Laura (former LPA Drainage Engineer)

Should you have any queries or require further information please do not hesitate to contact me directly.

Kind Regards,

Alex.

Alex Burrows
Counterpoint Properties Ltd.


Address: 34 The Drive Bognor Regis.
West Sussex PO21 4DU

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