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M/131/18/DOC
Mark ABMH

From: Mark ABMH [REDACTED]
Sent: 20 October 2018 15:48
To: 'Anita Gardner'
Cc: Laura Gibbons (laura.gibbons@arun.gov.uk); [REDACTED] 'Steve Gore'
Subject: FW: Middleton House - M/39/17/HH - M/94/18/DOC - OPTION 2 - BLANKET SOAKAWAY
Attachments: Middleton House FC2780.2.2 DR Opt2 - Formpave Blanket Soakaway.pdf; FC2780 MIDDLETON house- SAT1 - Blanket Soakaway - Option 2.pdf
Importance: High

Middleton House - M/39/17/HH - M/94/18/DOC

Dear Anita

Please accept this email as our formal submission of partial discharge of planning condition No 6 – Option 2

Many thanks for your telephone message last Friday confirming, that subject to Laura's approval of the three possible SW options, that ADC would be willing in this circumstance to provide a partial discharge of the SW drainage condition No 6, enabling building works to recommence on site, on the understanding that additional geotechnical investigations/testing to resolve and confirm the actual drainage solution to be implemented is undertaken in December 2018 as previously highlighted in our email below.

I've subsequent had discussions with Laura to confirm some technical aspects and the proposed designs are attached as follows for Laura to review and approve, as follows

Note the following:

- Sewer record information added from SW asset records
- The sewer records are based on OS datum, and thus gauging level differences on site relative to the highway I have attempted to portray existing/proposed levels to give a more realistic impression of the topography, in the absence of a detailed topographical survey.
- Driveway has been rationalised in its layout to aid SW design purposes, though any freeform shape of the driveway as intimated on the Architects layout plan would work, as effectively the driveway is proposed to be gravel for Options 1& 3, and porous blocks for Option 2
- The lowest soil infiltration rate from the most recent on site testing has been used for Options 1 & 2, ie $7 \times 10^{-6} \text{m/s}$
- More detailed SW design criteria noted on drawings (LHS of title block)

Option 2 – Blanket Soakaway – Formpave Porous Block

Refer to dwg FC2780 2.2

Roof/patio/driveway cater for

Calcs Attached

It is the intention to finalise one of these designs following the onsite testing in Dec 2018, at which point construction details of tanks/soakaways/flow controls etc will be submitted for approval.

We trust that the proposed schemes indicate that a SW solution is viable regardless of the further geotechnical testing to be undertaken in Dec 2018, and on that basis ADC are able to provide partial discharge of the Condition No 6 as previously requested.

Should you have any queries or comments regarding the options presented then please do not hesitate to contact me.

Many thanks for your time and assistance in resolving these issues to date.

Please confirm costs for DOC and payment references for the client to pay in due course

Kind Regards
ABMH Civils Ltd

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From: Mark ABMH [REDACTED]
Sent: 05 October 2018 16:36
To: 'Anita.Gardner@arun.gov.uk' <Anita.Gardner@arun.gov.uk>
Cc: Laura Gibbons (laura.gibbons@arun.gov.uk) <laura.gibbons@arun.gov.uk>; 'Steve Gore' [REDACTED] daphne hazell' [REDACTED]
Subject: Middleton House - M/39/17/HH - M/94/18/DOC

Dear Anita

Middleton House - M/39/17/HH - M/94/18/DOC

We are the appointed drainage engineers for the above scheme.

We have been liaising with Laura Gibbons (ADC Drainage Eng) to resolve the drainage issues/concerns at the above site.

We have recently undertaken a more detailed drainage design and further soil infiltration testing as outlined in Laura's previous comments, detailed in an email to our client from yourself dated 06/09/18.

The recent discussions and design work appear to be addressing Laura's comments, though Laura is still insisting that we undertake testing during the winter months (Dec – Feb).

Laura has agreed that the SW drainage options viable for the site are as follows:

- Blanket soakaway as currently designed
 - Subject to SIR tests and GWL during winter months
- Porous block driveway construction acting as blanket soakaway
 - Subject to SIR tests and GWL during winter months