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From: Michael Eastham <Michael.Eastham@arun.gov.uk>
Sent: 03 June 2020 18:10
To: Planning.Responses <Planning.Responses@arun.gov.uk>
Subject: LU/90/20/DOC - PARCELS A2 & B6, Littlehampton - Drainage Drawings

Please upload onto Ocella the email below which is the revised consultation response from **ADC Drainage Engineers** to discharge of condition application **LU/90/20/DOC**.

Thanks,

Michael

Michael Eastham | Principal Planning Officer, Strategic Development, Directorate of Place, Arun District Council | Location: First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF
Internal: 37772 | External: +44 (0) 1903 737772 | E-mail: Michael.eastham@arun.gov.uk

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From: Paul Cann <Paul.Cann@arun.gov.uk>
Sent: 03 June 2020 16:05
To: Clark, Robert

Cc: Michael Eastham <Michael.Eastham@arun.gov.uk>; Planning.Responses <Planning.Responses@arun.gov.uk>
Subject: RE: 2020-05-15-19163-PARCELS A2 & B6, Littlehampton - Drainage Drawings

Hi Robert

Proposals now acceptable.

Regards

Paul Cann
Principal Drainage Engineer
Engineering Services

T: 01903 737819
E: paul.cann@arun.gov.uk

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From: Clark, Robert [REDACTED]
Sent: 29 May 2020 14:41
To: Paul Cann <Paul.Cann@arun.gov.uk>
Cc: Michael Eastham <Michael.Eastham@arun.gov.uk>
Subject: RE: 2020-05-15-19163-PARCELS A2 & B6, Littlehampton - Drainage Drawings

Hi Paul
Please find enclosed our response to your email below.

Kind regards

Rob

Robert Clark
Head of Planning
Persimmon Homes Thames Valley
Persimmon House
Knoll Road
Camberley
GU15 3TQ
[REDACTED]

From: Paul Cann <Paul.Cann@arun.gov.uk>

Sent: 22 May 2020 16:18

To: Clark, Robert [REDACTED]

Cc: Michael Eastham <Michael.Eastham@arun.gov.uk>

Subject: RE: 2020-05-15-19163-PARCELS A2 & B6, Littlehampton - Drainage Drawings

Rob

Comments;

1. CP1 and CP2 (catchpits) on the manhole schedule drawing need to refer to a catchpit detail, not a type B manhole. *ok*
2. Provide non adoptable manhole construction details. *ok*
3. Provide channel drain construction details/spec. *ok*
4. Hydrobrake chamber HB01 construction detail – connect incoming 150mm connection from permeable paving at soffit to soffit level with 300mm pipe inlet. *ok*
5. Hydrobrake chamber HB02 construction detail – plan view shows incoming 900mm pipe as opposed to 300mm and 1.8m dia rings as opposed to 1.5 dia. Incoming 150mm connections to connect soffit to soffit with 300mm pipe. The gully that is connecting against flow and above hydrobrake is not ideal but willing to accept it in this instance (Section A-A shows it in a different location to the plan view?) *ok*
6. Both hydrobrake chambers – show base thickness/reinforcement details. *ok*
7. Existing manhole SW03A – just upstream of SWA2_01 – what is its purpose? Invert level is lower than the downstream manhole. Please clarify if it is required and adjust as necessary. *Removed - ok*
8. The SDS tanks construction drawing appears generic and not site specific ie. perforated pipes shown running through tanks (and not show on layout plans – in fact the configuration of pipework entering/leaving tank CS2 cannot achieve this arrangement without an undesirable pipework arrangement. Also, hydrobrake chambers are shown immediately downstream of the tank. With the vent pipe arrangement shown, the manholes being connected to will require vented covers. *ok*
9. Specify pipe materials for non-adoptable drainage. Please also confirm that the pipe bedding construction details also apply to non-adoptable drainage. *ok*
10. Drawing 122 shows a duplicate manhole downstream of immediately downstream of SWA2_01. *Removed - ok*
11. Show pipe gradients on all non-adoptable drainage. *ok*
12. Items 11 and 12 of my previous email – please advise where these notes have been added. Also, saddle connections were not requested and reference should be made to oblique 45 degree junctions. *ok*
13. Where pipes of differing diameters are connecting to one another, the differing invert levels still need to be shown as requested (applies to both adoptable and private drainage). *ok*
14. Calculations – Network no.1 is showing flooding on the 1 in 100 year + 30%. It will need to be proven that flood water can be accommodated on site without detriment to property/access. It is concerning that the flood levels at pipeline 1.000 is much higher than the potential cover levels in the plots immediately west (ie. plots 10-12, not to mention the floor level of plot 10). This needs serious consideration. *ok*

Regards

Paul Cann
Principal Engineer (Drainage)

[Paul.Cann](mailto:Paul.Cann@arun.gov.uk) | Principal Engineer (Drainage), Engineering Services, [Arun District Council](http://www.arun.gov.uk) | Location: First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

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From: Clark, Robert [REDACTED]
Sent: 15 May 2020 10:27
To: Michael Eastham <Michael.Eastham@arun.gov.uk>; Paul Cann <Paul.Cann@arun.gov.uk>
Subject: 2020-05-15-19163-PARCELS A2 & B6, Littlehampton - Drainage Drawings

Hi Michael and Paul

Here's the link to the updated documents (the transfer expires in 6 days):

<https://we.tl/t-GPxbF0StPB>

And for ease, I attach the report responding to Paul's comments.

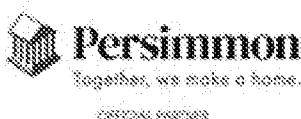
Paul, I trust the information answers your queries but if you have any questions, please don't hesitate to get in touch.

Kind Regards

Rob

Robert Clark
Head of Planning
Persimmon Homes Thames Valley
Persimmon House
Knoll Road
Camberley
GU15 3TQ
[REDACTED]

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