

From: Leon Darrell <[REDACTED]>
Sent: 10 March 2021 20:45
To: Laura Gibbons <laura.gibbons@adur-worthing.gov.uk>
Cc: Christian O'Brien <[REDACTED]>; Terry Seymour <[REDACTED]>
Subject: RE: Fontwell - Proposed Drainage and associated Conditions

Hi Laura

Just for reference, I enclose updated drawings which will be submitted to the planners also.

Thanks

Kind Regards,

Leon Darrell BSc(Hons), MSc
Principal Engineer



Rogers Cory Partnership Ltd
Architectural & Civil Consultants
The Old School Old School Road
Hook Hampshire RG27 9NJ
T: 01256 385 000



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From: Laura Gibbons [<mailto:laura.gibbons@adur-worthing.gov.uk>]
Sent: 09 March 2021 09:21
To: Leon Darrell <[REDACTED]>
Cc: Christian O'Brien <[REDACTED]>; Chris Harrison <[REDACTED]>; Terry Seymour <[REDACTED]>
Subject: Re: Fontwell - Proposed Drainage and associated Conditions

Hi Leon,

Thank you for providing this information. Details appear to be okay. As previously discussed, the only request I have is that on the soakaway detail drawings you

rename installation instructions as installation instructions for attenuation tanks, for clarity.

Please submit the updated details to planning.

Kind regards,

Laura Gibbons

Engineer, Adur & Worthing Councils

Phone: 01903 221374

Email: laura.gibbons@adur-worthing.gov.uk

Website: www.adur-worthing.gov.uk

Address: Facilities & Technical Services, Worthing Town Hall, Chapel Road, Worthing, West Sussex, BN11 1HA



On Tue, 16 Feb 2021 at 04:23, Leon Darrell <Leon@rcpconsultants.co.uk> wrote:

Hi Laura

Please find link below to download our updated drainage package taking into account your comments and our discussions at our meeting last week. The main changes are namely;

- Dimesons added to soakaways on domestic drainage layouts
- Note added citing requirements for a Catchpit chamber upstream of connections to soakaways on domestic drainage layouts and manholes schedules
- Areas running to soakaways have been redistributed in order to raise the base level to soakaway so far as possible with plots of a lower FFL being drained by the basin and offset by higher plots being drained via soakaway
- Updated soakaway construction details in light of above
- Formation Levels added to large Parking courts serving the apartment blocks
- Check dam detail added to drainage construction details

Thanks

Kind Regards,

Leon Darrell BSc(Hons), MSc

Principal Engineer



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From: Leon Darrell

Sent: 12 February 2021 10:55

To: Laura Gibbons <laura.gibbons@adur-worthing.gov.uk>

Cc: Christian O'Brien <[REDACTED]> Chris Harrison <[REDACTED]>; Terry Seymour <[REDACTED]>
Subject: RE: Fontwell - Proposed Drainage and associated Conditions [Filed 12 Feb 2021 10:54]

Hi Laura

Just to pick up from our meeting earlier in the week, I have responded to your points below in red.

With regard to point 5, we are running through updating the design currently in order to lift the soakaways so far as possible and re-distributing areas draining to soakaways to the infiltration basin, in order to achieve this. As a result it is taking slightly longer than envisaged so we will get the updated information over to you Monday.

Thanks

Kind Regards,

Leon Darrell BSc(Hons), MSc

Principal Engineer

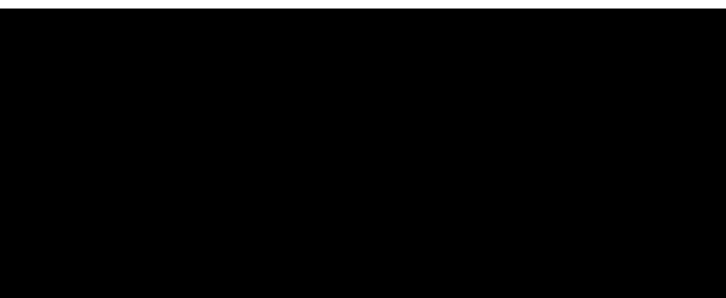


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[REDACTED]

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From: Laura Gibbons [<mailto:laura.gibbons@adur-worthing.gov.uk>]
Sent: 09 February 2021 10:00
To: Christian O'Brien <[REDACTED]>; Leon Darrell <[REDACTED]>
Cc: Laura Gibbons <Laura.Gibbons@arun.gov.uk>; Chris Harrison <[REDACTED]>; Terry Seymour <[REDACTED]>; Paul Cann <Paul.Cann@arun.gov.uk>
Subject: Re: Fontwell - Proposed Drainage and associated Conditions

Hi Christian and Leon,

Thank you for sending this over. My comments are as follows:

1. I note that areas are excluded from this submission. Is the application for a partial discharge? Are we going to be sent domestic drainage details for the later phases at a later date? Yes this is for partial discharge for Phase 1 with Phase 2 to follow separately at a later date.
2. Please provide catchpits upstream of all soakaway features, e.g. PS218 needs to be a catchpit, and so on. We will note this on the domestic drainage layout notes and Manhole schedule notes.
3. It may also be beneficial to show the soakaway dimensions on the domestic drainage layouts. We will indicate these.
4. Where connections are being made to pipelines rather than direct to manholes – add note ‘all connections to be made using oblique 45 degree junctions’ We will note this on the domestic drainage layout notes.
5. The invert and base levels of some soakaways seems to have significantly decreased since the RM details. Please elaborate on why this is the case, if you are confident all soakaways have a base level above peak groundwater level, and if soakaways can be raised up. For example, soakaway 5 which is serving area 13 has had its base level dropped from 23.3 to 21.42, minimum falls of pipes do not appear to have been used throughout. And the base appears to be at or below groundwater recordings in the area WS205, WS206 and WS105 are all around this point, with WS205 potentially being closest which had a peak seasonal groundwater level of 23.8mAOD. As the detail design for the domestic drainage has progressed this has inevitably lowered the incoming inverts and base of the soakaways. In order to mitigate this and keep the

base levels as shallow as possible, we will redistribute areas to plots which are low and draining to soakaways to drain to the infiltration basin. Adjacent/nearby plots which are higher we will to drain to soakaways so far as possible.

6. Please provide a construction detail drawing of the permeable paving with check dams. We will add this to drainage construction details drawing.
7. Are you confident about the lengths of road without check dams? There is a considerable fall over the site, and only small regions are to have check dams. The design is based on permeable paving requiring check dams where the gradient is steeper than 1:60.
8. Please detail finish and formation level of permeable paving car park areas. We will add formation levels to the permeable paving formation drawing for the large car park areas.

Kind regards,

Laura Gibbons

Engineer, Adur & Worthing Councils

Phone: 01903 221374

Email: laura.gibbons@adur-worthing.gov.uk

Website: www.adur-worthing.gov.uk

Address: Facilities & Technical Services, Worthing Town Hall, Chapel Road, Worthing, West Sussex, BN11 1HA



On Tue, 2 Feb 2021 at 14:16, Christian O'Brien <[REDACTED]> wrote:

Hi Laura,

Thanks for the below. Please find attached all pdfs submitted for discharge of condition in separated folders at the following WeTransfer : <https://we.tl/t-SQdCb5ZNjs>

I have included folders for: Condition 12 - Surface Water Drainage, Condition 14 - SuDS Maintenance, and Condition 15 - Foul Water Drainage. Are you involved with Condition 13 - Risk to Groundwater? We have had initial correspondence from the EA but do you need to review this condition also?

Hi Leon,

Please can you review the WeTransfer documents and issue the corresponding .dwgs for the area take off plan and microdrainage model.

Kind regards,

Christian O'Brien
Engineering Manager

Direct: 02382123621 • **Mobile:** 07912 243 860

[REDACTED]
Dandara Ltd, Roman House, South Hampshire Industrial Estate, Eddystone Road, Totton, SO40 3SA

From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Sent: 02 February 2021 13:32
To: Christian O'Brien <[REDACTED]>
Cc: Chris Harrison <[REDACTED]>; Terry Seymour
<[REDACTED]>; Darrell <[REDACTED]>; Paul Cann
<Paul.Cann@arun.gov.uk>; laura.gibbons@adur-worthing.gov.uk
Subject: RE: Fontwell - Proposed Drainage and associated Conditions

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Hi Christian,

Good to speak to you earlier. As discussed I see that we have been consulted on the discharge of conditions application. Unfortunately due to staffing our response is overdue and it is very unlikely that I will have time to review this information this week.

I have had a quick look on the planning portal to see if there are any clear gaps in what has been submitted. It looks okay, but it would be very beneficial to get the details sent over via we transfer, or similar. It is a lot quicker to look at it off the portal, and the quality of some of the documents on the portal is poor. If possible, could I also get the area plans in dwg as this help speed up my review.

I know that we were in a pretty good position at reserved matters, so I hope it will be a fairly straightforward exercise.

Kind regards,

Laura Gibbons

Drainage Engineer

Engineering Services

Please note that I work Tuesdays 08:00-16:00 for Arun only.



T: 01903 221374

E: laura.gibbons@arun.gov.uk or laura.gibbons@adur-worthing.gov.uk

Arun District Council, Civic Centre, Maltravers Rd, Littlehampton, West Sussex, BN17 5LF

From: Christian O'Brien <[REDACTED]>

Sent: 25 January 2021 13:50

To: Laura Gibbons <Laura.Gibbons@arun.gov.uk>; Paul Cann <Paul.Cann@arun.gov.uk>

Cc: Chris Harrison <charrison@doddys.com>; Terry Seymour

<Terry.Seymour@fontwell.co.uk>; Jon Darrell <Jon.Darrell@arunconsultants.co.uk>

Subject: Fontwell - Proposed Drainage and associated Conditions

Hi Laura,

I hope that you are well?

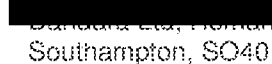
Have you been able to review all of the associated detailed design drainage information for Fontwell that was submitted on 15th December 2020? We trust that the information was in accordance with your prior comments and requirements, however, please do get in contact if you feel that anything is missing.

Kind regards,

Christian O'Brien
Engineering Manager





 E-mail:  Web: 
 House, South Hampshire Industrial Estate, Eddystone Road, Totton,
Southampton, SO40 3SA

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