From: Emily Comber <emily.comber@torandco.com>
Sent: 23 September 2024 16:20:13 UTC+01:00
To: "Nicola.Pettifer" <Nicola.Pettifer@horsham.gov.uk>
Cc: "Will Cobley" <will.cobley@torandco.com>
Subject: Re: DISC/24/0157 (Sussexdown) = Drainage / Flood response from the LLFA
Attachments: 114522-CAL-XX-XX-DR-D-0101-P3 - Foul and Surface Water Drainage Layout 2-2[57].pdf, 114522-CAL-XX-XX-DR-D-0110-P1 - Surface Water Overland Flow Paths[44].pdf, 114522-CAL-XX-XX-DR-D-0100-P3 - Foul and Surface Water Drainage Layout 1-2[81].pdf, Sussex Downs Surface Water Model Rev P3.pdf

Dear Nicola,

Our drainage consultant has reviewed the response from the LLFA and believes that the outstanding comments remain the same 3 points as before, which were fully addressed in our latest submission. To provide further clarity, he has included some additional comments addressing the outstanding queries below:

1. There is no longer any flooding in the 100 year + climate change storm event as shown within the calculations provided, therefore comment 1 no longer applies, as there is no flooding to show.

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	11	62.258	0.233	22.4	0.0370	0.0000	SURCHARGED
15 minute summer	2	11	62.215	0.492	20.8	0.0782	0.0000	SURCHARGED
15 minute summer	3	11	62.193	0.768	117.8	0.8684	0.0000	SURCHARGED
15 minute summer	4	11	62.280	0.680	108.4	0.1923	0.0000	SURCHARGED
30 minute summer	5	23	62.127	0.932	207.2	49.0120	0.0000	SURCHARGED
15 minute summer	6	11	60.304	0.104	74.3	0.1178	0.0000	OK
30 minute summer	7	19	58.956	0.956	129.7	1.0808	0.0000	SURCHARGED
15 minute summer	8	10	59.191	0.091	14.9	0.0145	0.0000	OK
15 minute summer	9	11	58.768	0.089	25.2	0.0142	0.0000	OK
30 minute summer	10	22	59.334	0.784	45.3	8.9065	0.0000	FLOOD RISK
30 minute summer	11	24	58.438	0.738	166.8	76.5064	0.0000	SURCHARGED
30 minute summer	12	21	58.323	0.791	127.2	0.8942	0.0000	SURCHARGED
15 minute summer	13	11	59.634	0.534	28.2	0.0848	0.0000	FLOOD RISK
15 minute summer	14	11	58.685	0.255	43.1	0.0405	0.0000	SURCHARGED
360 minute winter	15	352	58.223	0.822	68.5	0.9301	0.0000	SURCHARGED
360 minute winter	16	352	58.222	0.946	68.5	1.3540	0.0000	SURCHARGED
360 minute winter	Tank	352	58.221	1.721	68.3	390.2249	0.0000	OK
15 minute summer	18	10	58.272	0.072	24.2	0.0814	0.0000	OK
15 minute summer	19	11	56.510	0.110	31.0	0.1241	0.0000	OK
180 minute winter	20	132	56.481	0.906	13.7	1.0251	0.0000	SURCHARGED

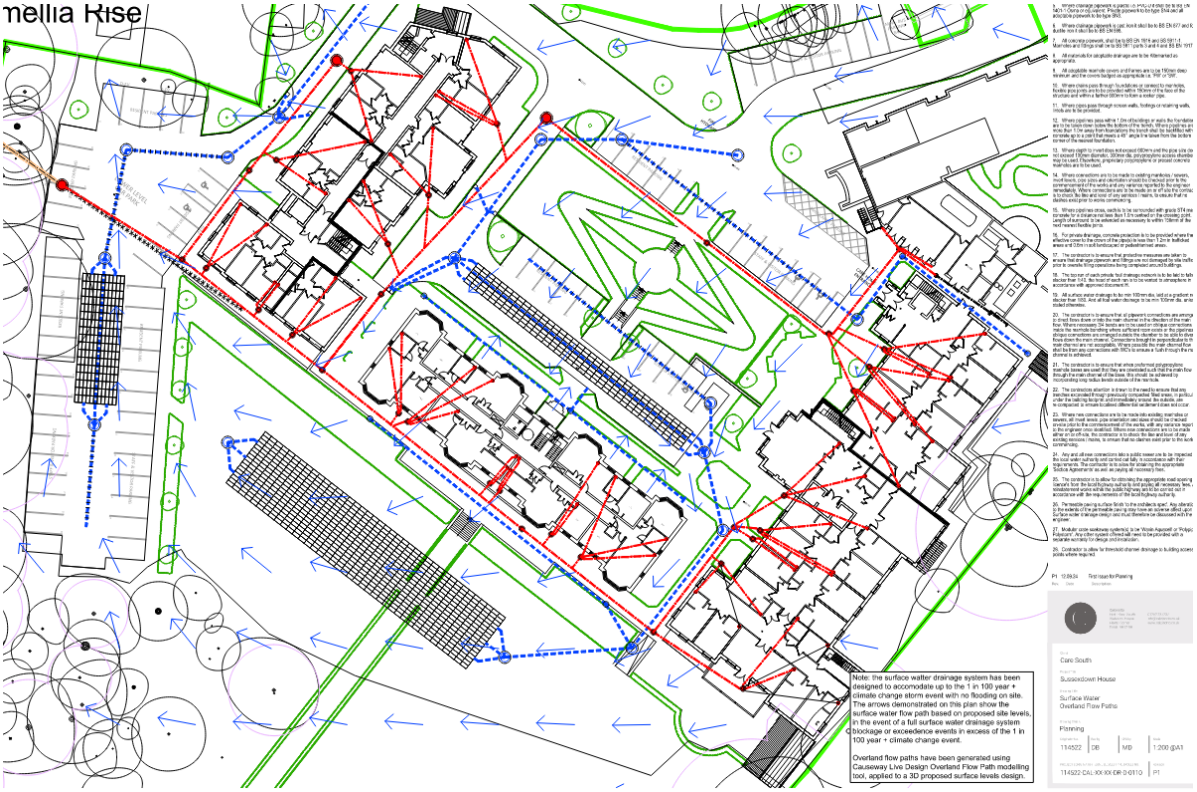
2. The calculations submitted show CVs set to 1, as shown in the screenshot below.

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Normal	Additional Storage (m³/ha)	0.0
Summer CV	1.000	Skip Steady State	x	Check Discharge Rate(s)	x
Winter CV	1.000	Drain Down Time (mins)	240	Check Discharge Volume	x

Storm Durations

3. We provided a ‘Overland Flow Path Plan’ in our response in response to comment no.3.



If you could please share this clarification with the LLFA, we hope it will provide them with sufficient information to approve the discharge of the condition, allowing you to proceed with determining the application. For your convenience, I have reattached the updated and additional documents that were previously shared.

Please let me know if you need any further clarification, I would be happy to discuss over a call.

Kind regards,

Emily

--

Emily Comber AssocRTPI
Planner

M: 07783696385
T: 020 3664 6755

From: Nicola.Pettifer <Nicola.Pettifer@horsham.gov.uk>
Date: Monday, 23 September 2024 at 14:52
To: Emily Comber <emily.comber@torandco.com>
Cc: Will Cobley <will.cobley@torandco.com>
Subject: RE: DISC/24/0157 (Sussexdown) = Drainage / Flood response from the LLFA

Dear Emily

Yes, these have been received following the revisions / additional details.

Kind regards
Nic

Nicola Pettifer

Senior Planning Officer

Telephone: 01403 215238

Email: Nicola.Pettifer@horsham.gov.uk

From: Emily Comber <emily.comber@torandco.com>
Sent: 23 September 2024 14:41
To: Nicola.Pettifer <Nicola.Pettifer@horsham.gov.uk>
Cc: Will Cobley <will.cobley@torandco.com>
Subject: Re: DISC/24/0157 (Sussexdown) = Drainage / Flood response from the LLFA

Dear Nicola,

Thank you for your email.

Could you please confirm if the response pertains to the updated documents issued on September 12th. I just wanted to clarify before sharing the response with the drainage consultant.

Kind regards,
Emily

--
Emily Comber AssocRTPI
Planner

M: 07918356773
T: 020 3664 6755

From: Nicola.Pettifer <Nicola.Pettifer@horsham.gov.uk>
Date: Monday, 23 September 2024 at 13:39
To: Emily Comber <emily.comber@torandco.com>
Subject: DISC/24/0157 (Sussexdown) = Drainage / Flood response from the LLFA

Dear Emily

I've just seen the LLFA response on the system. I was hoping that we may now be able to progress the case, but reading through this, it looks like there's some outstanding details required before the LLFA are happy. Is there a way to address this?

Kind regards
Nic

Nicola Pettifer

Senior Planning Officer

Telephone: 01403 215238

Email: Nicola.Pettifer@horsham.gov.uk





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