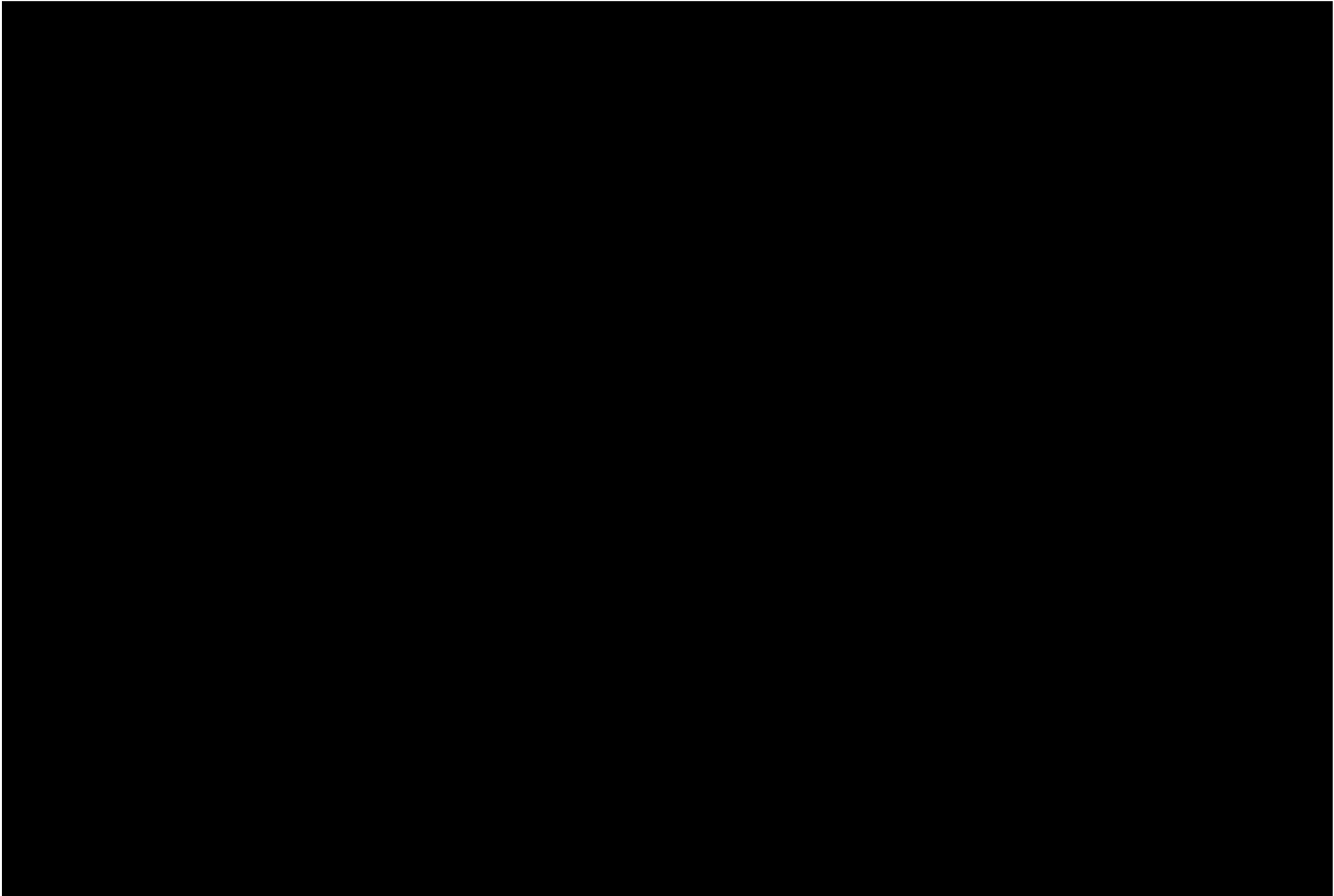
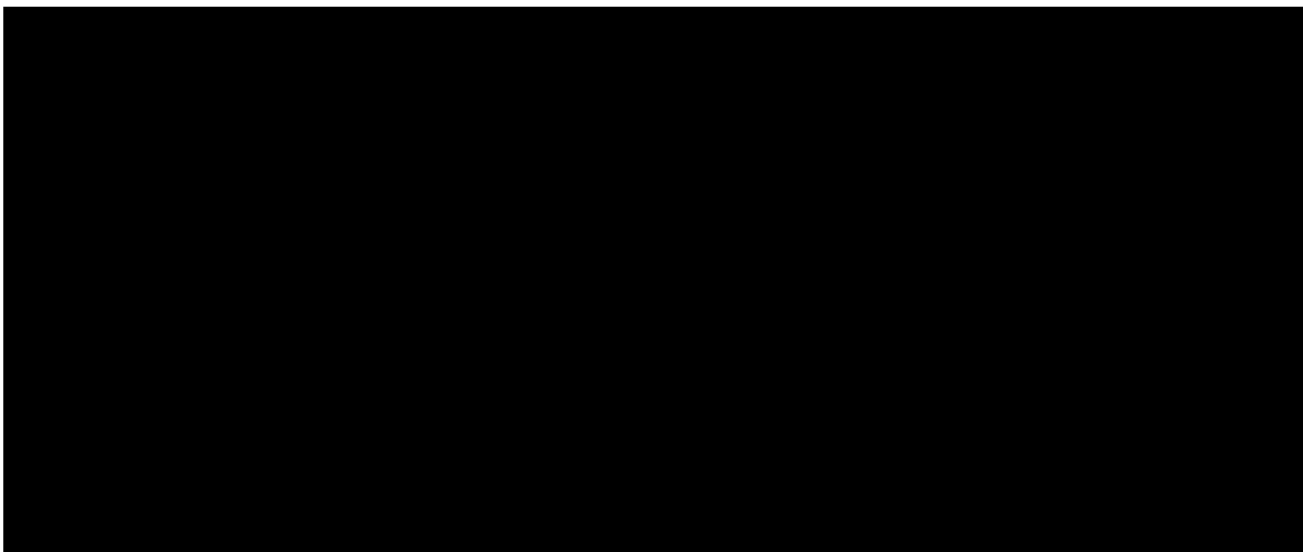






From: Anna Gillings [REDACTED]
Sent: 15 November 2021 07:58
To: Anita Gardner <Anita.Gardner@arun.gov.uk>
Cc: Emma Patchell [REDACTED]
Subject: Dappers Lane - 2010/21/DOC

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Dear Anita

For completeness, please find attached the Offsite Drainage Works drawing which we understand is required for condition 16 of application ref. 210/21/DOC

This was submitted informally straight to Paul for his comment, and we await his feedback. Assuming he was content, the intention was to then submit the Plan formally.

However, for completeness it is submitted formally now as part of the application in any event, in case you felt more comfortable having it at this stage. Further detail may still be required.

Kind regards

Anna Gillings

Managing Director
Gillings Planning



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From: Jonathan Shuttleworth [REDACTED]
Sent: 09 November 2021 11:38
To: Paul Cann <Paul.Cann@arun.gov.uk>; Shaun Letchford [REDACTED]
Cc: Sam Rous [REDACTED] Anna Gillings [REDACTED] Luke Fallon [REDACTED]
[REDACTED] Laura Gibbons <Laura.Gibbons@arun.gov.uk>; Roger Spencer <Roger.Spencer@arun.gov.uk>; Ray Drabble [REDACTED] Kevin Macknay [REDACTED]
[REDACTED] Hugo Redfern [REDACTED]
Subject: RE: Dappers Lane - Drainage

Hi Paul,

Please find attached the offsite Drainage Works Drawing in order to show and detail the requested works and to accompany the Land Drainage Consent Application for the proposed development on Dappers Lane, Angmering. If you have any comments or questions please don't hesitate to get back to me as soon as possible.

Kind Regards,

Mr Jonathan Shuttleworth
Senior Engineer



Abley Letchford Partnership Ltd
Consulting Engineers



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

Sent: 26 October 2021 15:59

To: Shaun Letchford [REDACTED]

Cc: Sam Rous [REDACTED] Anna Gillings [REDACTED] Luke Fallon

[REDACTED] Jonathan Shuttleworth [REDACTED] Laura Gibbons

<Laura.Gibbons@arun.gov.uk>; Roger Spencer <Roger.Spencer@arun.gov.uk>; Ray Drabble

[REDACTED] Kevin Macknay [REDACTED]

Subject: RE: Dappers Lane - Drainage

Hi Shaun

I have now had a conversation with Kevin Macknay at WSCC.

I have given below a very brief summary of the issues identified;

Pipeline Surveyed	Diameter (mm)	Issues	Remediation required	Comments
MH1 to Gully (Leg A)	150	Medium displaced joint @7.3m.	No action	WSCC responsibility
MH1 to Gully (Leg B)	150	Blocked.	Jetting to clear blockage (silt/roots?). CCTV afterwards to check for other issues/possible further works.	WSCC responsibility but if you have a jet machine on site to resolve the other issues listed below, clearing the blockage would be appreciated and this would also help reduce flood risk/safety (icing) concerns at the junction and benefit all concerned.
MH1 (Leg C)	225?	Medium displaced joint @12.2m. Root intrusion.	Remove roots.	Culverted watercourse. Adjoining landowner has riparian responsibility (ie. developer). Remove roots and patch line points of intrusion. Post CCTV survey required.
MH1 to ditch (Leg D)	150	Blocked.	Replace pipework.	Upgrade pipe to 225mm diameter with new headwall & trash screen (slope faced). Connect existing gully via oblique junction. Ditch to be cleaned out.
MH1 (Leg E)	225	Blocked/Badly fractured/siltation, etc.	No action.	Purpose of pipe unknown.
MH1 to Black Ditch (Leg X)	600	Root intrusion.	Remove roots.	Remove roots and patch line points of intrusion. Post CCTV survey required. Entire pipeline to the Black Ditch needs to be CCTV surveyed. A buried manhole possibly exists. Further discussion can be had once more is known.

Pipe 1 to MH1 (assumed to be gully connection immediately downstream of ditch outlet)	150	Medium displaced joint @0.6m.	Remake connection.	Connection to be remade to upgraded pipeline between MH1 and ditch.
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The works highlighted yellow above will require your attention.

All these works will ultimately form part of the land drainage consent application and will need to be fully detailed. Please let me know if you have any queries.

Regards

Paul Cann
Principal Drainage Engineer
Engineering Services

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

Arun District Council, Civic Centre, Maltravers Rd, Littlehampton, West Sussex, BN17 5LF
www.arun.gov.uk



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From: Paul Cann

Sent: 26 October 2021 14:52

To: Shaun Letchford

Cc: Sam Rous; Anna Gillings; Luke Fallon

Jonathan Shuttleworth; Laura Gibbons

<Laura.Gibbons@arun.gov.uk>; Roger Spencer <Roger.Spencer@arun.gov.uk>; Ray Drabble

Kevin Macknay

Subject: RE: Dappers Lane - Drainage

Hi Shaun

Thanks for the information. During the recent rainfall, flooding has been observed at the Water Lane/ Dappers Lane junction – not surprising based upon the findings of the CCTV survey!

I can confirm that ordinary watercourse consent will be required for the connection of the swale to the ditch and the proposed 1.4 l/s discharge.

What we need to agree is offsite works to ensure the piped system downstream is fit for purpose to receive flows from the site, so I have copied in WSCC so we can have discussion internally and come back to you. Certainly the ditch itself will need cleaning out and from what I recall there is no headwall on the ditch outlet (so one will be required).

Speak again soon.

Regards

Paul Cann
Principal Drainage Engineer
Engineering Services



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

Arun District Council, Civic Centre, Maltravers Rd, Littlehampton, West Sussex, BN17 5LF
www.arun.gov.uk

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From: Shaun Letchford [REDACTED]
Sent: 12 October 2021 09:09
To: Laura Gibbons <Laura.Gibbons@arun.gov.uk>; Paul Cann <Paul.Cann@arun.gov.uk>
Cc: Sam Rous [REDACTED] Anna Gillings [REDACTED] Luke Fallon [REDACTED]
Jonathan Shuttleworth [REDACTED]
Subject: RE: Dappers Lane - Drainage

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Laura/Paul

Thank you for your comments.

It appears for the onsite we are nearly there. We will provide you with the updated details requested in due course.

What seems to be the area barring full approval is the offsite connections. Paul kindly sent the details of the offsite survey the previous consultant had undertaken and since then the client team have undertaken a full CCTV survey of the ditch connection and downstream network (attached). This substantiates the previous survey in that the ditch connects into the highway drainage and travels along Water Lane before discharging into the Black Ditch.

What is in abeyance is how we go about gaining discharge consent approvals to remove any further objection. As we are not directly connecting into the Black Ditch and/or altering the outfall the EA will not require an approval as it will be a flood risk activity exemption, at most, if we approach them. To this end do we require OWC from Arun into the ditch and since we are replicating Greenfield discharge rates and the discharge is so small do we require any further approval from the highway authority, assuming they own the downstream pipework.

As always happy to discuss on the phone but if you are able to consider the above and provide your thoughts as to the best way to alleviate your concerns to achieve full sign off that would be good.

Kind regards

Shaun Letchford BEng (Hons) FCIHT
Director

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